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## Early View

Original article

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# Differential DNA methylation in bronchial biopsies between persistent asthma and asthma in remission

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## Abstract

About 40% of asthmatics experience remission of asthma symptoms. A better understanding of biological pathways leading to asthma remission may provide insight into new therapeutic targets for asthma. As an important mechanism of gene regulation, investigation of DNA methylation provides a promising approach. Our objective was to identify differences in epigenome wide DNA methylation levels in bronchial biopsies between subjects with asthma remission and subjects with persistent asthma or healthy controls.

We analysed differential DNA methylation in bronchial biopsies from 26 subjects with persistent asthma, 39 remission subjects and 70 healthy controls, using the limma package.

The *comb-p* tool was used to identify differentially methylated regions. DNA methylation of CpG-sites was associated to expression of nearby genes from the same biopsies to understand function.

Four CpG-sites and 42 regions were differentially methylated between persistent asthma and remission. DNA methylation at two sites was correlated *in cis* with gene expression at *ACKR2* and *DGKQ*, respectively. Between remission subjects and healthy controls 1163 CpG-sites and 328 regions were differentially methylated. DNA methylation was associated with expression of a set of genes expressed in ciliated epithelium.

CpGs differentially methylated between remission and persistent asthma identify genetic loci associated with resolution of inflammation and airway responsiveness. Despite the absence of symptoms, remission subjects have a DNA methylation profile that is distinct from that of healthy controls, partly due to changes in cellular composition, with a higher gene expression signal related to ciliated epithelium in remission versus healthy controls.

## Background

Asthma is a chronic inflammatory disease of the airways, characterized by variable airflow obstruction associated with symptoms of wheezing, shortness of breath, chest tightness and coughing. Chronic inflammation in asthma is associated with remodeling of the airways, e.g. increased basal membrane thickness, airway epithelial shedding, increase of goblet cells, increased mucus production and increase of smooth muscle mass [1]. Interestingly, in some asthma patients, symptoms disappear over time, and the need for pulmonary medication ceases. The prevalence of asthma is highest between 10 and 25 years and gradually decreases at higher age, the latter indicating that asthma remission rates have become higher than incidence rates [2]. In adulthood, the average remission rate of asthma is approximately 2% per year, with a higher chance to go into remission with an earlier onset of asthma, less severe airway obstruction, and cessation of smoking [3, 4]. A subset of patients with asthma in remission still have airway obstruction and/or show airway hyperresponsiveness (AHR) in provocation tests [5]. Vonk *et al.* [6] therefore introduced the terms ‘clinical remission’ and ‘complete remission’. Clinical remission is defined as the absence of asthma symptoms and no use of asthma medication. Complete remission of asthma is defined as the absence of asthma symptoms, no use of asthma medication, normal lung function and no AHR.

We still have minimal understanding of the cellular and molecular mechanisms that determine whether or not asthma persists or undergoes apparent spontaneous resolution. As for asthma development, genetic and environmental factors are likely to be involved in asthma remission as well [7]. The effect of both genetic and environmental variation on health outcome is often mediated by differences in gene transcription [8]. The methylation of cytosine at CpG-sites is an important epigenetic modification that regulates transcription by affecting several

mechanisms [9]. Variation in DNA methylation at CpG-sites has been associated with asthma and other atopic diseases [10–15]. This warrants further investigation of this type of epigenetic variation.

In order to identify molecular mechanisms related to asthma remission in the airways, we investigated whether variation in DNA methylation in bronchial biopsies is associated with remission of asthma. Our main aim was to detect CpG-sites that are differentially methylated between well characterized subjects in complete and clinical remission and subjects with persistent asthma or healthy controls. In addition, we investigated how differentially methylated CpG-sites associate with the expression levels of nearby genes in these bronchial biopsies, and related these to candidate molecular and cellular pathways. This furthers our ultimate aim to identify cellular mechanisms related to asthma remission in the airways.

## **Methods**

### Subjects

From previous studies [16, 17] biopsies were available from clinically well characterized subjects with clinical remission (ClinR,  $n = 33$ ), complete remission (ComR,  $n = 15$ ), persistent asthma (PersA,  $n = 90$ ). Biopsies from healthy controls (H,  $n = 94$ ) were available from another study. The study design and methods have been published previously [16, 17]. The subjects with ClinR and ComR had a documented diagnosis of asthma, confirmed by AHR testing [6, 17]. Asthma was defined as documented reversibility and/or AHR to histamine ( $PC_{20} \leq 32$  mg/mL). Subjects were considered to be ClinR if they had not had an asthma attack or wheeze in the last 3 years, and did not use asthma medication ( $\beta$ -agonists and ICS). Asthma patients were considered to be ComR if they, in addition to the previous criteria,

did not have AHR to both histamine and AMP ( $> 32$  mg/mL in 30 s tidal breathing and  $> 320$  mg/mL in 2 min tidal breathing respectively) and had no signs of airflow obstruction ( $FEV_1$  %predicted  $> 80\%$  pre bronchodilator or  $>90\%$  post bronchodilator). The subjects with PersA were divided on the basis of use of inhaled corticosteroids (ICS), since corticosteroids are known to affect gene expression and may act as a confounder on DNA methylation as well [18]. The non-asthmatic healthy controls were recruited from the NORM study (clinical trials number NCT00848406) and were all current smokers and never smokers older than 18 years. Subjects were considered healthy if they had no respiratory symptoms, no history of respiratory disease and normal pulmonary function defined as a post bronchodilator  $FEV_1/FVC$  higher than the lower limit of normal, absence of AHR to methacholine ( $PC_{20} > 16$  mg/mL) and absence of  $FEV_1$  reversibility (increase  $FEV_1$  after 400  $\mu$ g salbutamol  $< 10\%$  of the predicted  $FEV_1$  value). Healthy subjects were excluded if they had used inhaled or oral corticosteroids within the last 5 years, or during a total of 5 years of their lives. Biopsies from healthy subjects were collected between 2009-2012 and biopsies from all other subjects between 2005-2007. All subjects were included in the same center (UMCG) and bronchoscopies and processing of samples were performed by the same team. For RNA and DNA extraction and further processing, an even distribution of case-control status, age, gender and smoking status among batches was carefully controlled during all steps in the experimental design. Details on the DNA/RNA extraction, sample preparation and QC are provided in the supplementary methods. The study protocol was approved by the local medical ethics committee. All subjects gave their written informed consent.

### DNA methylation

DNA methylation levels were measured in bronchial biopsies using the Infinium HumanMethylation450 BeadChip array (450k array) (Illumina, San Diego, CA). Raw intensity data were processed using the minfi package [19]. Samples and probes failing QC were removed and raw beta values normalised using the dasen method as implemented in the watermelon package [20]. DNA methylation levels at each CpG-site were expressed as beta-values, ranging from zero (no methylation) to one (complete methylation). A detailed description can be found in the supplementary methods. An overview of the sample dropout during QC is shown in Supplementary Figure 1a.

### RNA sequencing

RNA samples from airway wall biopsies were processed using the TruSeq Stranded Total RNA Sample Preparation Kit (Illumina, San Diego, CA). The cDNA fragment libraries were loaded onto an Illumina HiSeq2500 sequencer for paired-end sequencing ( $2 \times 100$  bp). Trimmed fastQ files were aligned to build b37 of the human reference genome using HISAT (version 0.1.5) and gene level quantification was performed by HTSeq (version 0.6.1p1) using Ensembl version 75 as gene annotation database [21]. A detailed description can be found in the supplementary methods. An overview of the sample dropout during QC is shown in Supplementary Figure 1b.

### Differential methylation analysis

Differential methylation between subject groups was assessed for each probe using robust linear modelling in the limma package [22, 23]. To remove heteroscedasticity, beta-values were logit-transformed to M-values [24]. M-values were used as the dependent variable in all

analyses. Age, gender and current smoking status were corrected for. In addition, the principal components explaining 95% of the variation in the control probes were used as covariates to correct for technical variation [25]. We also analysed a model that included ex-smoker status in addition to current smoking, and found consistent results with the majority of DMRs remaining above the significance threshold. In remission vs asthma, of the 46 CpGs plus DMRs, 42 (91%) remained significant. In remission vs. healthy from the 1491 CpGs plus DMRs, 1223 remained significant (82%), but as this did not appreciably affect the results, these data will not be presented. We analyzed five subject categories; persistent asthma using ICS (PersA\_ICS), persistent asthma not using ICS (PersA\_no\_ICS), ClinR, ComR and H. We pooled ClinR and ComR to increase sample size. We specified two contrasts: [ComR + ClinR] vs. PersA\_no\_ICS and [ComR + ClinR] vs. H. We refer to those contrasts as “remission vs. asthma” and “remission vs. healthy” respectively. To avoid the confounding of ICS use, we focused on the group of asthmatics without ICS. We applied correction for multiple testing by controlling the false discovery rate at 5% using the Benjamini-Hochberg method [26]. The most significant hits of individual CpG-sites were annotated to the nearest gene using information from the IlluminaHumanMethylation450kanno.ilmn12.hg19 annotation package, or when no annotation was provided we searched the UCSC genome browser [27, 28].

### Differentially Methylated Regions (DMRs)

Regions of correlated CpG-sites with differential methylation were identified using the comb-p v0.48 command line tool and python library [29]. We used the pipeline with seed setting  $P = 0.05$  and distance 750 bp. The region filter settings were  $n = 2$  and a Sidak-corrected  $P = 0.05$ .

### Association between DNA methylation and gene expression (eQTM mapping)

We used the MatrixEQTL package to determine whether DNA methylation levels at CpG-sites were associated with gene expression levels of nearby genes within 1 Mb of the CpG-site [30]. Raw read counts from RNA sequencing were normalized for library size using the weighted trimmed mean of M-values (TMM) method as implemented in the edgeR package [31]. The normalised counts were transformed to  $\log_2(\text{Counts Per Million})$ . We used methylation M-values as the explanatory variable and age, gender and current smoking status were set as covariables.

### Cell type composition

Surrogate variable analysis (sva) provides estimates of latent variables, which is recommended as substitute for cell type deconvolution [32]. A detailed description can be found in the supplementary methods. We performed this analysis for all FDR-significant differentially methylated CpGs from remission *vs.* asthma and the ten most differentially methylated CpGs from remission *vs.* healthy.

We also took a targeted approach to the analysis of cell type composition, by extending the method proposed by Xu *et al.* [13]. For the same set of CpG-sites as used in the surrogate variable analysis, we performed genome wide mapping of DNA methylation to gene expression. For each CpG-site, the resulting set of test statistics was used as input for mean-rank gene set enrichment analysis as implemented in limma [33]. We tested enrichment of 20 gene sets expressed by the cell type clusters taken from single cell sequencing results of airway wall biopsies as reported in Vieira Braga *et al.* [34].

## Results

### Patient characteristics

We obtained DNA methylation data for 179 samples, after excluding 53 samples that were lost during processing or excluded during the QC procedure (Supplementary Figure 1). Of the included samples, 12 subjects had ComR, 27 subjects ClinR, 70 subjects PersA and 70 subjects were H. Of the PersA subjects, 26 were not using ICS. The patient characteristics of the 5 subject groups are presented in Table 1.

### Differential methylation in remission vs. persistent asthma

Methylation levels at four individual CpG-sites and 42 regions were significantly different in remission vs. asthma (Table 2A, 3A). The most significant site was cg08364654, which showed 6% lower methylation in remission subjects than in asthmatics (Figure 1A). This CpG is also part of the most significant DMR on chromosome 3 (Table 3A). All CpGs in the DMR are located in the *KRBOX1* gene, but we did not find these CpGs to be associated with *KRBOX1* expression. Instead, a higher methylation was associated (most significantly at cg22714811 at  $P = 7.9 \cdot 10^{-4}$ ) with increased expression of the atypical chemokine receptor 2 (*ACKR2*) gene (Figure 2A; Figure 3). The second CpG-site (cg23805470) also had 2% lower methylation in subjects in remission compared to persistent asthmatics. Methylation of cg23805470 was not significantly associated with expression of the gene it resides in (*tenascin XB*, *TNXB*) or any other nearby gene. The third site cg13525448 lies in an exon of *ladybird homeobox 1* (*LBX1*), but was not associated with gene expression in *cis*. It had 2% higher methylation in remission than in persistent asthma (Figure 1C). The fourth CpG-site (cg00741675) had 11% lower methylation in remission and is located in the 5'UTR of the diacylglycerol kinase, theta 110kDa (*DGKQ*) gene. It did not associate with gene expression



at the  $P = 0.001$  cut-off, but is positively associated with gene expression of *DGKQ* at  $P < 0.004$  (Figure 2B). The second significant DMR is located at chromosome 19 and associated with expression of *RPL13A*. The encoded product is a component of the IFN-gamma-activated inhibitor of translation (GAIT) complex, which plays a role in the repression of inflammatory genes and contributes to the resolution of chronic inflammation [35]. Among the four significant individual CpG-sites from the contrast remission *versus* asthma (Table 2A), all remained significantly differentially methylated (at  $P < 0.001$ ) after correction for the first five surrogate variables, indicating that the differences in methylation were not driven by cell type composition (Table 2A, Supplementary Figure 2A). Significance of cg00741675 dropped sharply, but for all four CpGs log fold changes remained similar after adjustment.

#### Differential methylation in remission vs. healthy

We found 1163 individual CpG-sites and 328 regions to be differentially methylated between remission subjects and healthy controls, with one-third of the individual sites and 20% of the DMRs being higher methylated in remission (Table 2B and 3B show the top10, complete list in Supplementary Table 1B and 2B). Of the 1163 significant CpG-sites, 167 were located in a DMR. Correction for surrogate variables resulted in similar log fold changes but did appreciably affect the significance of the ten most significant CpG-sites, suggesting an impact of cell type composition in the contrast remission versus healthy (Supplementary Figure 2). To further investigate effects of cell type composition we identified cell type specific gene expression profiles by associating methylation levels of the ten most significant CpG-sites to genome-wide gene expression levels. Then we compared associated genes to gene sets characteristic for 20 major clusters of cells found in bronchial biopsies based on single cell sequencing data [34]. All ten tested CpG-sites from the contrast remission *vs.* healthy showed

strong enrichment for association with genes belonging to multiple sets of cell types (Supplementary Table 3). Highest enriched groups throughout were ciliated epithelial cells and basal cells. Several CpGs were most significantly enriched for other groups though: smooth muscle cells (cg06947286 and cg10986462), fibroblasts (cg23916878), neutrophils (cg18763536) and T-cells (cg08307963) (Figure 4a). Nine out of ten tested CpG-sites from the contrast remission *vs.* healthy showed strong enrichment ( $P \ll 0.001$ ) for highly ranking genes from ciliated epithelium (Figure 4). We tested whether the enrichment was due to the underlying correlation structure of our data set, but this did not fully account for our findings. For comparison, only 49% of a randomly selected sample of CpG-sites has enrichment for this gene set at this significance level. In addition, five of ten tested CpG-sites belong to the top 1% enrichment as judged by comparison to  $P$ -values in the randomly selected sample. Figure 4B shows the ranking of correlated genes of a representative CpG-site from this set (cg07224931). Nearly all genes in the set related to ciliated epithelium have higher gene expression in remission versus healthy controls (99 %).

## Discussion

We found four individual CpG-sites and 42 regions to be differentially methylated between subjects in remission and persistent asthmatics. Of the individual CpGs two associated with gene expression of *ACKR2* and *DGKQ*, respectively. These four CpGs were not strongly related to cell type composition of the airway wall biopsy. There were 1163 CpG-sites and 328 regions differentially methylated between remission subjects and healthy controls. Many of the highly significant CpG-sites that distinguish remission subjects from healthy controls were associated with increases in the expression of genes associated with ciliated epithelial cells, consistent with cell type composition differences in remission *versus* healthy. We found

differences in absolute methylation between groups between 2% and 11%. It should be noted that even modest differences can be relevant when they reflect changes within a specific cell type.

The most significant CpG site, as well as DMR, with lower methylation in the contrast remission vs. asthma was associated with lower expression of *ACKR2* in subjects with remission. This gene contributes to resolution of inflammation by post-inflammatory clearance of chemokines in a mouse model [36]. Allergen-challenged mice that are deficient for *ACKR2* have more infiltrating cells in the airways, primarily dendritic cells and eosinophils. Interestingly, these *ACKR2*-deficient mice have less airway reactivity to methacholine [37]. We suggest that lower expression of *ACKR2* may play a role in the remission of asthma, by reducing AHR. Of interest, the lower methylation and *ACKR2* gene expression was paralleled by decreased airway reactivity in the *ACKR2* deficient mice, but not by reduced inflammation as would be expected. The CpG-site in *TNXB* could not be related to expression of this gene, but tenascin genes are known to be important in airway remodeling [1]. Multiple CpG-sites in *TNXB* were less methylated in primary airway epithelium cells (AEC) after exposure to IL13, a type 2 cytokine and key mediator of airway inflammation and remodeling in asthma [15]. *TNXB* resides in the HLA class II region, which is important for immune function [38], but we were unable to link differential methylation at cg23805470 to expression of HLA genes. CpG-site cg00741675 in *DGKQ* has lower methylation in remission subjects when compared to persistent asthmatics. *DGKQ* encodes a member of the family of diacylglycerol kinases (DGKs) that attenuate levels of the second messenger diacylglycerol in cells by converting it to phosphatidic acid [39]. The precise mechanism by which it may be involved in the remission of asthma is not clear, but members of the DGK

family are expressed in immune cells, and thus may be required for proper cellular signaling in inflammatory processes [40].

Subjects in remission have a methylation profile that is distinct from that of persistent asthmatics, which may reflect differential regulation of immune functions. However, their methylation profile does not resemble the healthy situation either. Individuals with complete asthma remission retain characteristics that differ from healthy subjects without a history of asthma, for example, persistent airway remodeling as shown by increased basal membrane thickness [17]. Analogous to this situation, we find methylation differences between remission and healthy that do not occur between remission and asthma. We found 21 out of 42 DMRs and 3 out of 4 differentially methylated CpGs in remission vs. asthma to overlap DMRs found in asthma vs. healthy. For remission vs. healthy this concerned 126 out of 327 DMRs and 310 out of 1163 differentially methylated CpGs. This clearly shows that differential methylation in both the remission vs. asthma and the remission vs. healthy contrasts capture aspects of methylation differences between persistent asthmatics and healthy subjects, consistent with the intermediate position of remission subjects. A possible explanation is that subjects in asthma remission still display an epigenetic fingerprint of asthma. A similar lingering difference in methylation profiles was reported for ex-smokers [41]. Alternatively this may reflect an inherent predisposition to developing asthma, which puts remission subjects at an increased risk for relapse.

A strength of our design is the use of bronchial biopsies, which enabled us to study epigenetic profiles in the relevant tissue. Also, we included healthy subjects and well characterized subjects in clinical and complete remission. All remission subjects had previous objective

confirmation of their asthma diagnosis with detailed follow up. Finally, we added functional information to differentially methylated CpG-sites by their association with the expression levels of nearby genes, using the same biopsy as used for determination of methylation levels. One limitation is the absence of an independent replication cohort in which bronchial biopsies are available for remission subjects and healthy controls. To the best of our knowledge, no comparable replication cohort with a similar design is available. Another issue is that differential methylation among subject groups was partly driven by differences in cell type composition, which hampers identification of specific asthma or remission related CpG-sites. By annotating the associated CpGs with gene expression, we show that subjects in remission differ from healthy controls in methylation levels at CpG-sites associated with multiple cell types, and that there is strong enrichment of CpGs in genes associated with ciliated epithelium. A possible interpretation is that changes in the cell type composition, in particular the proportion of ciliated epithelium in remission subjects explains part of the differential methylation between remission subjects and healthy controls. This is supported by the inflation of the *P*-values in this particular contrast. The prominent signal from epithelium may reflect the abundance of this cell type in biopsies, and the importance of other cell types in asthma and remission should not be neglected, but it emphasises that the airways of subjects in remission still have not come to resemble the healthy profile.

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### Author's contributions

CJV performed differential methylation analysis and drafted and finalized the manuscript, C-JX and JMV were involved in data management, data analysis and editing the manuscript, NHTtH, WT, IHH, MCN, AJvO, KA and GHK provided guidance and technical knowledge and edited the manuscript, JB performed eQTM analysis, MW contributed expression and methylation data, MvdB, NHTtH, WT and JMV were involved in the design of the study and MvdB drafted parts of the manuscript. All authors approved the final manuscript.

### Competing interests

KA and AJvO are employees of GlaxoSmithKline.

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### **Additional Files**

Supplementary Tables 1-3

Supplementary Figures 1-5

Supplementary Material and Methods

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## Figure Legends

**Figure 1:** Violin plots of highly differentially methylated CpG-sites in the “asthma *vs.* remission” contrast. (A) cg08364654 in the *KRBOX1* gene (B) cg23805470 in the *TNXB* gene (C) cg13525448 and (D) cg00741675 in the *DGKQ* gene. Subject groups: PersA\_ICS Persistent asthma with ICS use PersA\_no\_ICS Persistent asthma without ICS use, ClinR Clinical Remission, ComR Complete Remission, H Healthy Controls.

**Figure 2:** Correlation of DNA methylation at differentially methylated CpG-sites with gene expression of nearby genes. The groups used in the contrasts (either “remission *vs.* asthma” or “remission *vs.* healthy” ) are marked with non-gray colors; remission in yellow, asthma in red, healthy in blue. Subject groups (PersA\_ICS Persistent asthma with ICS use PersA\_no\_ICS Persistent asthma without ICS use, ClinR Clinical Remission, ComR Complete Remission, H Healthy Controls) are indicated with different symbols.

**Figure 3:** CoMET plot of the genomic region of cg08364654. The top plot shows the strength of correlation with expression of the *ACKR2* gene for all the CpG-sites in the interval. The plot below shows the strength of association in the remission *versus* asthma contrast. Red symbols indicates positive and blue symbols negative associations. The default coMET annotation tracks were plotted: ENSEMBL genes, CpG islands, chromatin-state (Broad institute), DNase sensitive regions and SNPs. See coMET documentation for detailed description. The bottom plot shows a correlation matrix of DNA methylation among all plotted CpG-sites.

**Figure 4:** Effect of cell type composition on average methylation levels. Effect of cell type composition was gauged by genome wide correlations with gene expression. A) Heatmap and hierarchical clustering of  $-\log_{10}(P\text{-values})$  of mean-rank gene set tests on the test statistics of DNA methylation - gene expression correlations. The CpG-sites are the four most significant sites from the contrast remission *versus* asthma (R *vs* A) and the ten most significant hits from the contrast remission *versus* healthy (R *vs* H). The gene sets distinguish the four main clusters of epithelial cell types in single cell sequencing. See the MS for details. B) Ranks of test statistic for a selected CpG-site (cg07224931) demonstrates the enrichment of highly ranking genes of the ciliated epithelium.

## Tables

**Table 1: Patient characteristics.**

Characteristic	PersA_ICS	PersA_no_ICS	ClinR	ComR	H	H <sub>0</sub> : No differences between groups. test-statistic; df; <i>P</i> -value
N	44	26	27	12	70	$\chi^2 = 55.2$ ; df=4; $P < 0.01$
PC <sub>20</sub> AMP (mg/mL) median [min,max]	64.9 [0.02,4871.5]	47.4 [0.02,3811.4]	700.2 [0.02,5090.7]	639.0 [414.8,5635.8]	2674.9 [40,5612.4]	$F_{4,174} = 10.9$ ; $P(\text{emp}) = 0.001$
FEV1 (%pred) mean [s.e.m.]	83.1 [3.02]	83.3 [2.39]	90.8 [2.70]	101.8 [4.05]	101.0 [1.34]	$F_{4,174} = 14.0$ , $P < 0.001$
ICS dose (ug/day) median[min,max]	800 [28,2000]	NA	NA	NA	NA	NA
Beta-agonist use (n(%))	40 (91)	14 (54)	0 (0)	0 (0)	0 (0)	$\chi^2 = 131.1$ ; df=4; $P < 0.01$
Sex (m/f)	20/24	15/11	12/15	6/6	40/30	$\chi^2 = 2.47$ , df = 4, $P = 0.650$
Age (years) mean [s.e.m.]	48.8 [1.85]	46.3 [2.44]	47.5 [2.33]	45.3 [4.78]	39.5 [2.03]	$F_{4,174} = 3.37$ ; $P = 0.011$
FEV1/FVC (%) mean [s.e.m.]	69.6 [1.68]	70.1 [1.58]	75.6 [1.55]	78.2 [2.37]	79.7 [0.76]	$F_{4,174} = 12.2$ ; $P < 0.001$
Reversibility FEV1 (%) mean [s.e.m.]	8.64 [0.97]	9.20 [1.24]	6.57 [0.85]	4.38 [1.30]	3.46 [0.34]	$F_{4,173} = 11.4$ , $P < 0.001$
Atopy (skin prick) (n(%))	NA	NA	NA	NA	25 (36)	NA
Atopy (phadiatop) (n(%))	31 (70)	19 (73)	15 (56)	8 (67)	NA	$\chi^2 = 3.95$ , df = 3, $P = 0.267$
Smoking status (Ncurrent,Nex,Nnever)	(6,21,17)	(10,3,13)	(4,11,12)	(4,1,7)	(33,3,34)	$\chi^2 = 43.8$ ; df = 8; $P < 0.001$
Blood eosinophils (*10 <sup>9</sup> /L) median [min,max]	0.195 [0.05,0.78]	0.260 [0.00,0.90]	0.170 [0.00,0.62]	0.115 [0.00,0.28]	0.155 [0.02,0.43]	$F_{4,174} = 3.373$ ; $P = 0.011$

PersA persistent asthma, ClinR clinical remission, ComR complete remission, H healthy. Frequency data were analysed with chi-squared tests of independence. Differences in continuous variables were tested with oneway ANOVA. Variables were transformed, if necessary, to satisfy the assumption of normality. For FEV1 and FEV1/FVC ANOVA was performed on z-values (GLI2012\_DataConversion software). When PC<sub>20</sub>AMP was not reached at the highest dose, values were obtained by extrapolating from an exponential decay dose response curve. No appropriate transformation for PC<sub>20</sub>AMP was found, and these data were analysed by oneway ANOVA based on a permuted distribution of F with 1000 permutations [42]

**Table 2: Table 2: Toplevels of differentially methylated CpGs**

(2A)

Probe ID	Genomic position	UCSC RefGene Name	UCSC RefGene Group	Correlated expression	logFC	Moderated t value	<i>P</i> value	Adjusted <i>P</i> value	Sva corrected <i>P</i> value
cg08364654	chr3:42,978,180	-	-	-	0.83	6.23	3.5e-9	0.0015	6.5e-08
cg23805470	chr6:32,056,820	TNXB	Body	-	0.60	6.07	7.9e-9	0.0017	1.1e-07
cg13525448	chr10:102,986,601	-	-	-	-0.48	-5.26	4.4e-7	0.0466	3.2e-07
cg00741675	chr4:967,327	DGKQ	5'UTR; 1stExon	-	2.96	5.28	3.8e-7	0.0466	4.5e-04

(2B)

Probe ID	Genomic position	UCSC RefGene Name	UCSC RefGene Group	Correlated expression	logFC	Moderated t value	<i>P</i> value	Adjusted <i>P</i> value	Sva corrected P value
cg04886217	chr16:31,821,538	-	-	-	0.63	6.56	6.1e-10	0.0003	2.8e-08
cg06947286	chr5:131,596,602	PDLIM4	Body	PDLIM4; P4HA2; UQCRRQ; HSPA4; KIF3A; ACSL6; ZCCHC10	-0.60	-6.20	4.2e-9	0.0006	6.8e-05
cg01716603	chr17:37,029,974	LASP1	Body	SRCIN1; PLXDC1; ARHGAP23; HNF1B; LINC00672; PIP4K2B; MLLT6; NEUROD2; STARD3; PCGF2; ENSG00000214546; CACNB1	-0.83	-6.19	4.3e-9	0.0006	1.7e-05

cg23932332	chr1:221,911,278	DUSP10	TSS1500; Body; 5'UTR	ENSG00000225265; FAM177B; MARC2; DUSP10	-0.87	-6.01	1.1e-8	0.0011	0.0062
cg18763536	chr12:11,812,062	ETV6	Body	MANSC1; CREBL2; ETV6	-0.44	-5.97	1.4e-8	0.0011	1.8e-05
cg23916878	chr6:44,011,187			DLK2; LRRC73; RSPH9; DNPH1; TCTE1; SPATS1; PTK7; ENSG00000272442	-0.68	-5.94	1.6e-8	0.0011	2.9e-05
cg20001791	chr6:16,239,799	GMPR	Body	GMPR; STMND1	-0.66	-5.88	2.1e-8	0.0013	4.2e-07
cg08307963	chr1:147,245,485	GJA5	TSS200	BCL9	0.54	5.78	3.4e-8	0.0017	2.0e-07
cg10986462	chr10:135,340,539	CYP2E1	TSS1500	FUOM	-1.12	-5.77	3.6e-8	0.0017	1.2e-05
cg07224931	chr12:121,130,567	MLEC	Body	DYNLL1-AS1; CIT; MORN3; UNC119B; PXN; DYNLL1	-0.53	-5.73	4.5e-8	0.0017	7.1e-05

Toptables of the contrasts (A) “remission versus asthma” and (B) “remission versus healthy”. The tables show the Probe ID, with its genomic position (hg19), the name of any nearby genes and its position relative to that gene, proximate genes with associated expression, the log2 fold change of the beta values, the moderated t-value and its associated probability of the null-hypothesis of no difference between the groups, as well as the adjusted P-value by Benjamini-Hochberg correction controlling the FDR at 5%. The rightmost column lists the P values of the analysis where surrogate variables were added as covariates (see text). Positive logFC indicate higher methylation in asthmatics than remission subjects in 2A and higher methylation in remission subjects than healthy controls in 2B.



**Table 3: Toplevels of differentially methylated regions**

(3A)

Genomic position	n_probes	z_sidak_p	t.sum	refGene_name	refGene_feature	Associated expression
3:42977776-42978248	8	9.6e-20	34.0	KRBOX1-AS1;KRBOX1	nc_exon;TSS+intron+exon+utr5	ACKR2
19:50666237-50666552	6	2.4e-11	22.5	IZUMO2	TSS+utr5+cds	RPL13A
11:124746753-124747263	6	7.7e-08	18.7	ROBO3	intron+cds	ROBO3
17:1094028-1094555	7	8.6e-08	-20.7	ABR	intron	-
8:1049166-1049477	5	5.8e-06	-15.4	DLGAP2	nc_intron;intron	-
15:45671000-45671347	10	3.1e-05	24.1	GATM	intron+utr5	GATM;DUOX2;SPG11;B2M;SHF
3:142666107-142666476	4	1.3e-04	12.2	LOC100507389	intergenic	GK5
15:75251490-75251733	3	2.3e-04	10.2	RPP25	intergenic	CCDC33;ISLR
1:119532043-119532352	8	2.7e-04	19.0	TBX15	TSS+exon+utr5	-
11:1891931-1892307	10	3.3e-04	20.7	LSP1	TSS+intron+exon+utr5;intron+utr5;TSS+exon+utr5;intron	C11orf21;LSP1;TSPAN32;C11orf89

(3B)

Genomic position	n_probes	z_sidak_p	t.sum	refGene_name	refGene_feature	Associated expression
10:135340444-135341025	9	3.4e-12	-32.1	CYP2E1	TSS+utr5+cds	FUOM;TUBGCP2;ECHS1;SPRN
16:4714079-4714815	7	3.9e-10	-24.4	MGRN1	intron+cds;nc_intron+nc_exon	C16orf71;CORO7;SMIM22;GLYR1;CDIP1;C16orf89;ENSG00000266994;SEC14L5;GLIS2;TFAP4;ENSG00000262686
1:147245484-147245626	3	4.1e-10	14.8	NBPF19	intron	BCL9
11:69919474-69920054	5	1.8e-09	18.6	LINC02584	nc_intron	SHANK2;SHANK2-AS1;SHANK2-AS3;SHANK2-AS2;ENSG00000227726;CTTN
1:9380565-9381431	5	3.9e-09	-18.1	SPSB1	intron+utr5	ENSG00000234546;SPSB1;TMEM201;SLC45A1;H6PD;PIK3CD;CLSTN1;KIF1B;RBP7;SLC2A5
8:145018815-145019839	17	7.4e-09	-43.5	PLEC;MIR661;PLEC	intron;nc_gene;TSS+intron+utr5+cds	FAM83H-AS1;EEF1D;RHPN1-AS1;ENSG00000255224;MIR4664;TOP1MT;ARHGAP39;ZNF34;TONSL;ENSG00000254973;MAPK15;GPIHBP1;FAM83H;GPT;EXOSC4;TSTA3;C8orf31
13:114812176-114813015	6	9.5e-09	-20.1	RASA3	intron+utr5	TMCO3;CDC16;ADPRHL1;TMEM255B;RASA3;DCUN1D2;GAS6;PCID2;TFDP1

14:105932811-105933283	4	1.1e-08	-16.1	MTA1	intron+exon+utr3;intron+cds	C14orf79;ADSSL1;INF2;IGHV3-15;IGHV3-11;IGHV3-21;IGHV3-23;IGHM;IGHA1;KIAA0125;IGHV4-39;IGHJ3P;JAG2;IGHG2;IGHA2
12:132219327-132219529	2	1.9e-08	-10.6	SFSWAP	intron	POLE;STX2;GPR133;DDX51;ULK1;MMP17
14:94392717-94392932	4	2.4e-08	-16.4	FAM181A;FAM181A-AS1	intron;nc_exon;intron+utr5	PPP4R4;UNC79;ASB2;C14orf142;ENSG00000258987;FAM181A-AS1;PRIMA1;SERPINA6;MOAP1;SERPINA10;SERPINA1;FAM181A;IFI27L2

Top tables of the contrasts (A) “remission *versus* asthma” and (B) “remission *versus* healthy”. The tables show the genomic position (hg19), the number of probes in the DMR, the one-step Sidak corrected *P*-value, the summed *t*-value, the name of any nearby genes and CpG positions relative to that gene, and proximate genes with associated expression. Positive *t*.sum values indicate higher methylation in asthmatics than remission subjects (Table 3A) and higher methylation in remission subjects than healthy controls (Table 3B).

## Supplementary Materials and Methods

### DNA / RNA extraction

Bronchial biopsies were taken from segmental divisions of the main bronchi and immediately frozen in Tissue-Tek (VWR, Radnor, PA) at -80°C. After thawing at room temperature, biopsies were cut from the blocks when they were semi-solid. Samples were lysed in 600 µl RLT-plus using a IKA Ultra Turrax T10 Homogenizer. Total genomic DNA was extracted using AllPrep DNA/RNA/miRNA Universal Kit, according to the manufacturer's instructions (Qiagen, Venlo, the Netherlands). DNA samples were dissolved in 30 µl elution buffer. Concentrations of DNA were measured in 1 µl of fluid using a Nanodrop-1000 and in 2 µl of fluid run on a Labchip GX (Perkin Elmer, Waltham, MA).

### DNA methylation: Sample preparation and Hybridization protocol

DNA samples were purified by a precipitation step, rinsed with ethanol (70%) and dissolved in elution buffer. Then, samples were treated with sodium bisulfite to convert unmethylated cytosine bases into uracil. This was followed by a PCR-free whole genome amplification, after which the treated DNA was hybridized to the Infinium HumanMethylation450 BeadChip array (450k array). After hybridization, allele-specific single-base extension incorporated a fluorescent label for detection of methylated and unmethylated sites. The conversion and hybridization protocol was performed according to the manufacturer's instructions (Illumina, San Diego, CA).

Every beadchip was run with a control sample of blood DNA from a single female, which was used to assess the efficiency of the normalization procedure by verifying that the among sample variance was minimized. We used a randomized block design, where samples were assigned to blocks based on subject group, smoking status and gender, and randomized within blocks.

### DNA methylation: Quality control, sample filtering, probe filtering and normalization

Raw intensity values were read from IDAT-files, and converted to beta values using the minfi-package [1]. We identified bad quality samples using the R-package MethylAid, based on five diagnostic filter variables with the following thresholds; MU = 10.5, OP = 11.75, BS = 12.5, HC = 13.25, and DP = 0.95 [2]. Genotypes from 65 SNP probes on the 450k array were compared to previously acquired genotypes from blood samples and discordant samples were discarded as swapped or contaminated samples and excluded from the analysis.

We excluded probes where >1% of samples had intensities indistinguishable from background levels at  $P = 0.05$ , probes which were crossreactive [following 3], probes which have SNPs with MAF > 10% at the interrogation or extension site, and type I probes which displayed high intensity

signals [following 4]. In addition, we excluded all sex linked probes. The probe filtering procedure resulted in the removal of 48,059 unreliable probes (10 %). After probe-and sample-filtering, raw beta-values were background-corrected and normalized using the dasen method from the watermelon-package [5].

#### DNA methylation: Correction for cell type composition

We investigated how corrections for cell type composition affected the results for a subset of differentially methylated CpG sites. We estimated surrogate variables from our DNA methylation levels as implemented in the sva package and added those to our basic model as covariates [6]. This is a reasonable alternative to deconvolution using reference cell type profiles [7]. We reran the linear modelling analysis and monitored how this impacted the significance of the differential methylation in the contrasts.

#### RNA sequencing: Sample preparation and sequencing

RNA samples were further processed using the TruSeq Stranded Total RNA Sample Preparation Kit (Illumina, San Diego, CA), using an automated procedure in a Caliper Sciclone NGS Workstation (PerkinElmer, Waltham, MA). In this procedure, all cytoplasmic and mitochondria rRNA was removed (RiboZero Gold kit). The obtained cDNA fragment libraries were loaded in pools of multiple samples into an Illumina HiSeq2500 sequencer using default parameters for paired-end sequencing ( $2 \times 100$  bp).

#### RNA sequencing: Gene expression quantification

The trimmed fastQ files were aligned to build b37 of the human reference genome using HISAT (version 0.1.5) allowing for 2 mismatches [8]. Before gene quantification SAMtools (version 1.2) was used to sort the aligned reads [9]. The gene level quantification was performed by HTSeq (version 0.6.1p1) using Ensembl version 75 as gene annotation database [10].

#### RNA sequencing: Quality Control

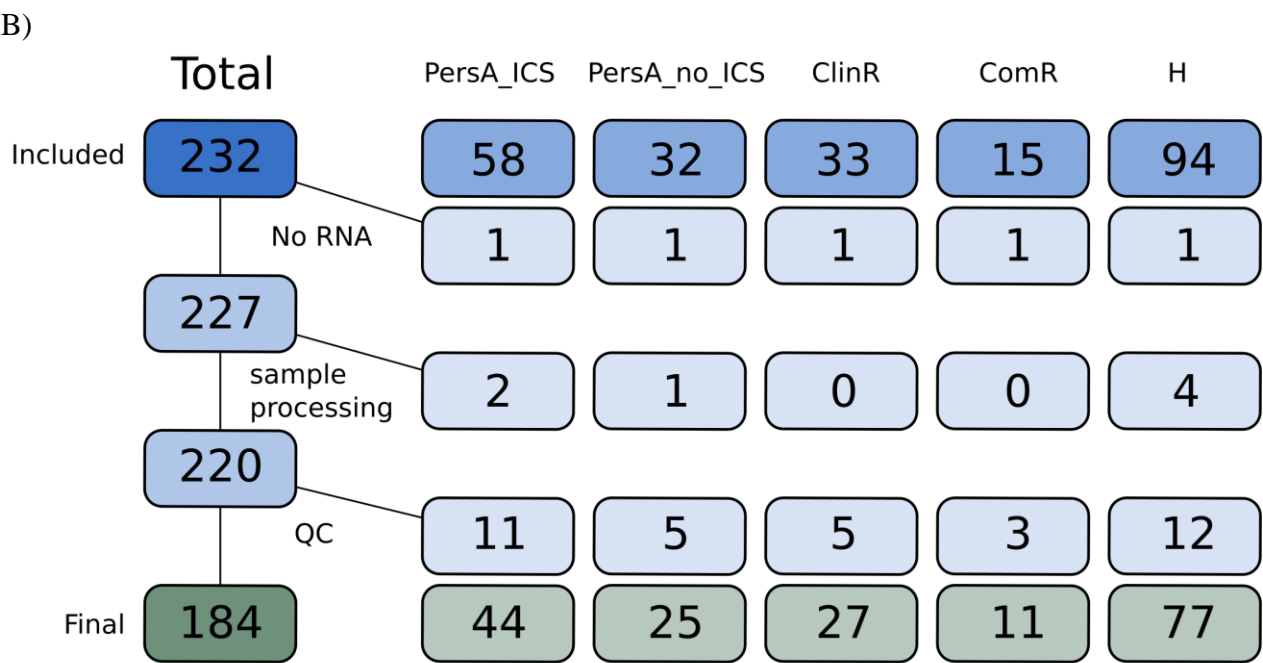
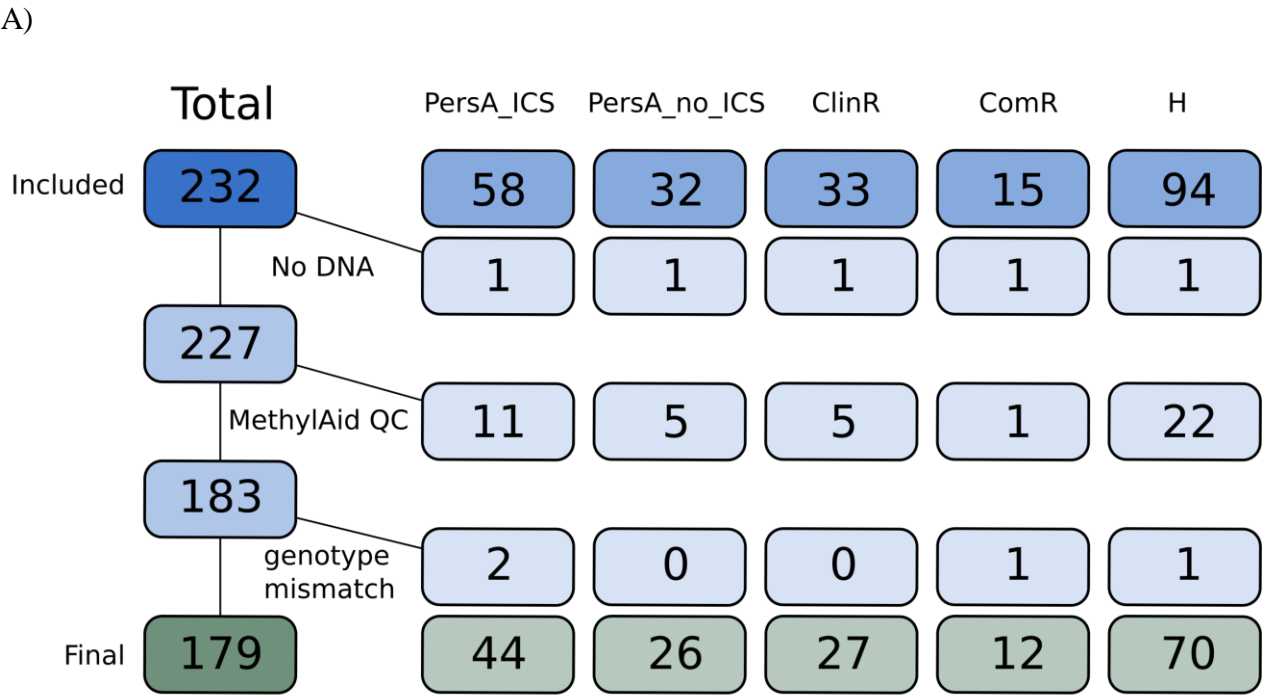
Quality control (QC) metrics were calculated for the raw sequencing data, using the FastQC tool (version 0.11.3) [11]. Alignments of 220 subjects were obtained. QC metrics were calculated for the aligned reads using Picard-tools (version 1.130) (URL <http://picard.sourceforge.net>) CollectRnaSeqMetrics, MarkDuplicates, CollectInsertSize-Metrics and SAMtools flagstat. We discarded 36 samples due to poor alignment metrics. In addition, we checked for concordance between sexlinked (XIST and Y-chromosomal genes) gene expression and reported sex. All samples were concordant. This resulted in high quality RNAseq data from 184 subjects.

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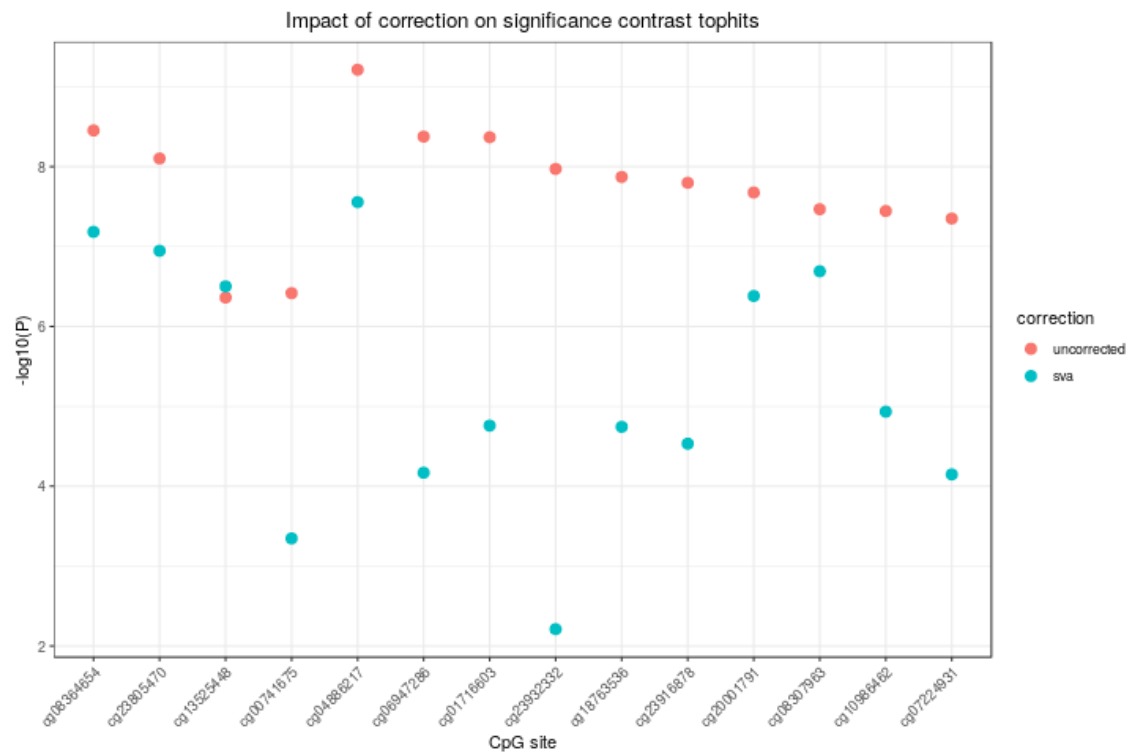
# Supplementary Figures

**Figure 1:** Sample drop out during QC for A) DNA methylation array and B) RNAsequencing samples. The upper tier (dark blue) shows the total numbers of included subjects and the bottom tier (in green) shows the total numbers of samples analysed in this study. Samples are broken down by subject groups. : PersA\_ICS Persistent asthma with ICS use PersA\_no\_ICS Persistent asthma without ICS use, ClinR Clinical Remission, ComR Complete Remission, H Healthy Controls. A) The middle tiers (light blue) show drop out of samples due to failed DNA extraction (no DNA), failure to meet the MethylAid QC criteria (MethylAid QC) and genotype mismatch between methylation array and independent SNP array (genotype mismatch). B) The middle tiers (light blue) show drop out of samples due to failed RNA extraction (no RNA), failure during sample processing (sample processing) and failure to meet QC criteria after sequencing (QC).

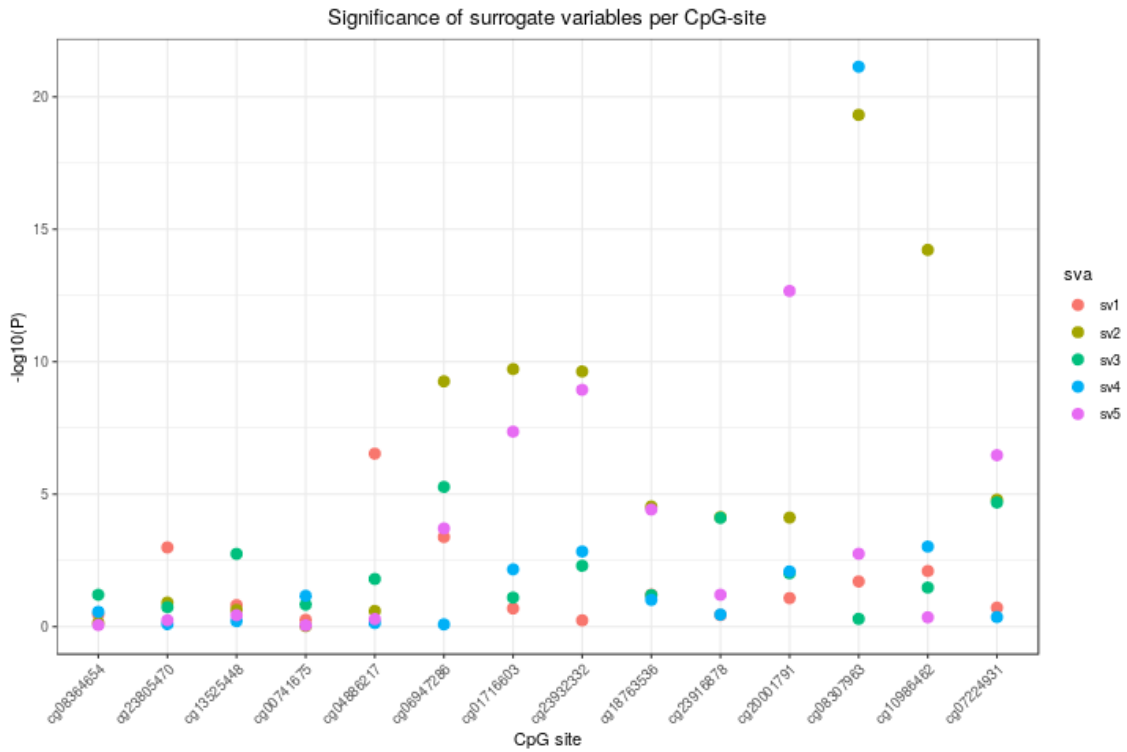


**Figure 2:** Summary statistics of the effect of adding cell type composition on differential methylation of a subset of CpG-sites. Figure (A) shows the  $-\log_{10}$  transformed  $P$ -values from the contrasts that were assessed in the manuscript. The leftmost four CpG-sites are the tophits from the contrast remission *versus* asthma and the remaining sites come from the contrast remission *versus* healthy. See the MS for details. Plotted are the uncorrected  $P$ -values (red, also reported in Table 2A and 2B) and the  $P$ -values from the analysis including surrogate variables (blue). Figure (B) shows the  $-\log_{10}$  transformed  $P$ -values for the surrogate variables for the same CpG-sites as in (A).

A)



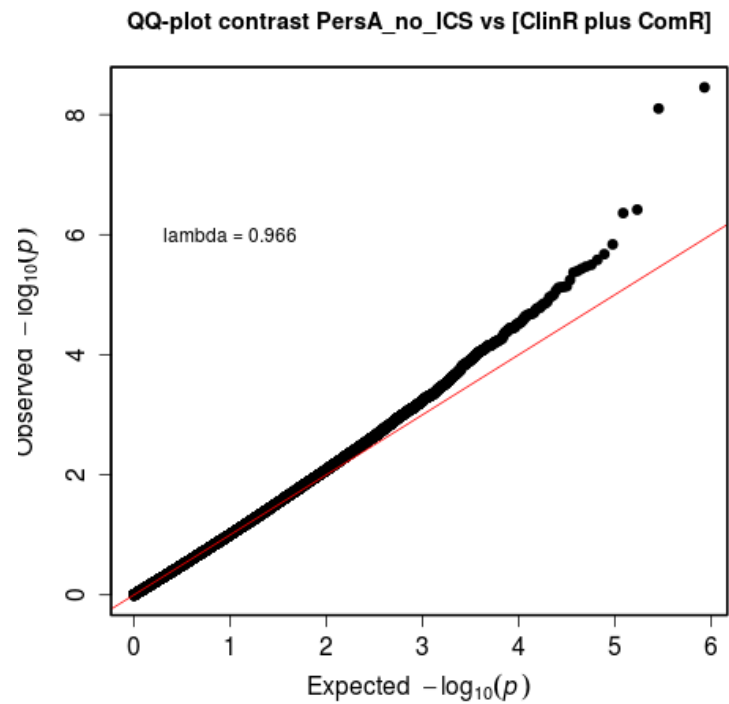
B)



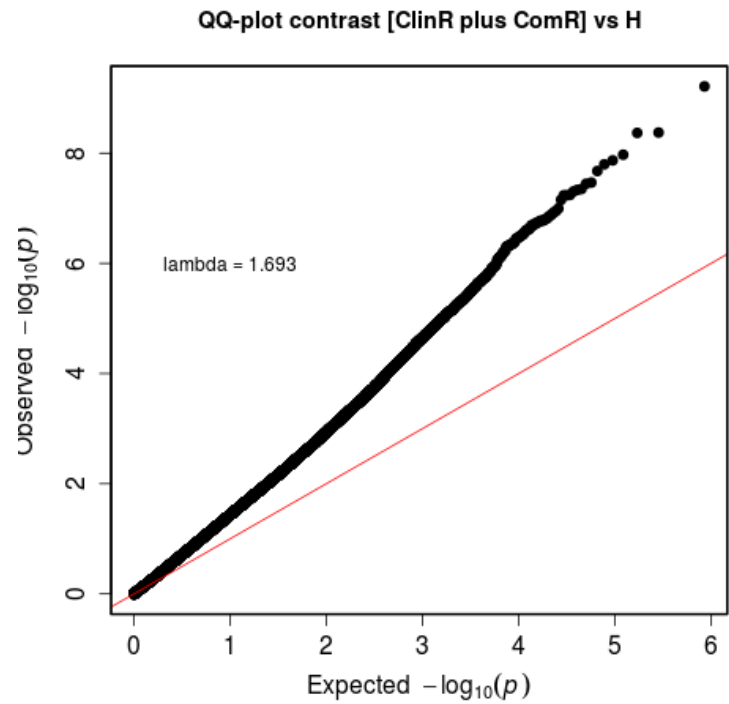


**Figure 3:** Quantile-quantile plots of observed  $P$ -values plotted against the expected  $P$ -values from a uniform distribution. Plots show data from the contrast (A) remission versus asthma and (B) remission versus healthy. The lambda values from chi-square statistics are reported in the figures. Lambda values differing from 1 indicate systematic bias, but may have a biological source (e.g. driven by differences cell composition).

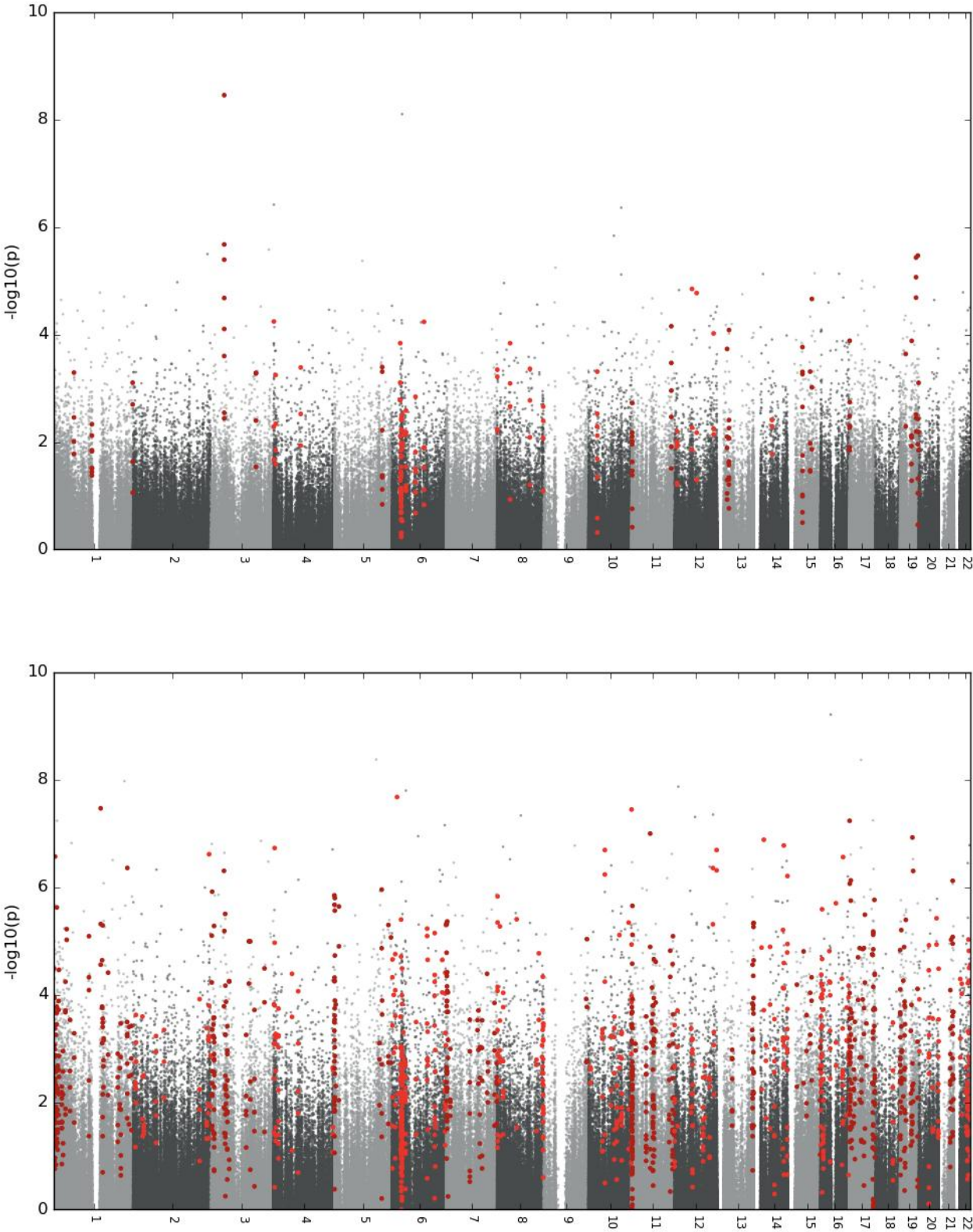
A)



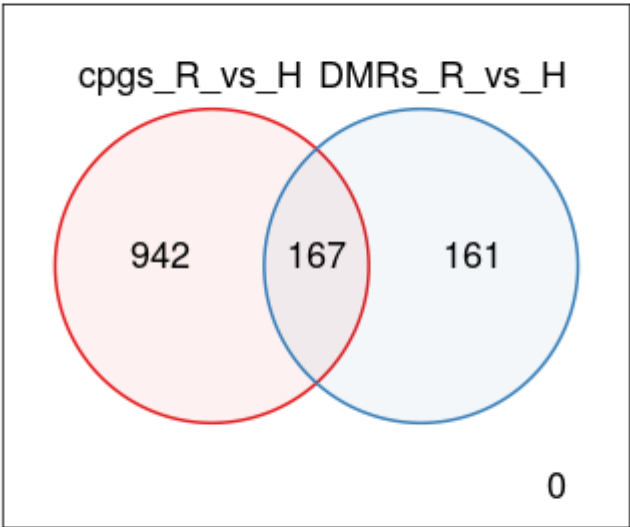
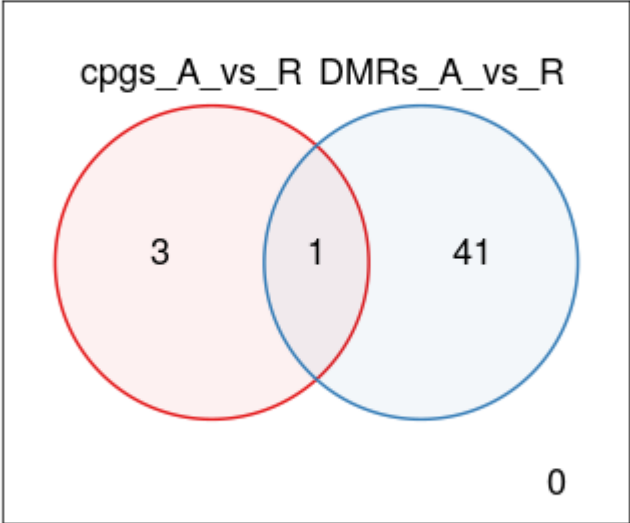
B)



**Figure 4:** Manhattan plots of DMRs as output of the comb-p program. A) Asthma versus Remission. B) Remission versus Healthy.



**Figure 5:** Overlap in genomic position of individual CpGs with DMRs. A) Asthma versus Remission. B) Remission versus Healthy.



## Supplementary Tables

Table 1A-B: limma output R-PersA\_no\_ICS and R-H for all CpG-sites nominally significant  $P\text{-Value} < 0.05$ . Toptables of CpG-sites are annotated with genes with significantly correlated transcript abundance ( $P < 0.001$ ).

Table 2A-B: Final comb-p output table of regions passing the filter

Table 3: P-values from limma's Mean Rank Gene Set Test. Input were the t-statistics from MatrixEQTL DNA methylation M-values versus gene expression for the 14 CpG-sites in the table rows. The columns show the twenty gene sets corresponding to genes expressed by four major cell type clusters.

Name	chr	pos	sym	logFC	t	P.Value	adj.P.Val
cg083646							
54	chr3	42978180		0.831109	6.22982	3.52E-09	0.001505
cg238054							
70	chr6	32056820		0.596536	6.07264	7.92E-09	0.001693
cg135254							
48	chr10	1.03E+08		-0.47906	-5.25533	4.36E-07	0.046629
cg007416							
75	chr4	967327		2.958508	5.283343	3.83E-07	0.046629
cg108095							
60	chr10	79936959		-0.6872	-4.99415	1.45E-06	0.123965
cg227148							
11	chr3	42977896	ACKR2	0.763206	4.910747	2.11E-06	0.15027
cg120013							
57	chr2	2.33E+08		-0.50608	-4.81859	3.18E-06	0.151638
cg230258							
93	chr3	1.83E+08		-0.46531	-4.86135	2.63E-06	0.151638
cg169549							
28	chr19	56135916		-0.43614	-4.80308	3.40E-06	0.151638
cg147427							
16	chr19	50666345		0.846393	4.783888	3.70E-06	0.151638
cg270847							
12	chr3	42977845		0.934103	4.763484	4.05E-06	0.151638
cg139820							
98	chr5	87955859		0.63036	4.751794	4.26E-06	0.151638
cg135580							
87	chr9	37488517		-0.51009	-4.68447	5.70E-06	0.187549
cg257711							
95	chr16	58163814		0.548798	4.623598	7.41E-06	0.192405
cg239406							
14	chr15	84115479		0.579058	4.629434	7.23E-06	0.192405
cg058723							
06	chr14	29236535		0.789351	4.621121	7.49E-06	0.192405
cg096977							
95	chr19	50666379	RPL13A	0.903148	4.589269	8.58E-06	0.203846
cg114981							
56	chr10	1.03E+08		-0.47079	-4.61617	7.65E-06	0.192405
cg128124							
89	chr17	40896724		-0.39174	-4.55249	1.00E-05	0.224472
cg016471							
11	chr8	22014425		-0.32094	-4.53023	1.10E-05	0.224472
cg154419							
73	chr2	1.39E+08		0.601896	4.538659	1.06E-05	0.224472
cg088165							
90	chr12	54954337		0.878218	4.47096	1.41E-05	0.25199
cg263519							
16	chr17	78084228		-0.41761	-4.49071	1.30E-05	0.25199
cg138234			ENSG000002641				
03	chr17	38296474	98	-0.30142	-4.47447	1.39E-05	0.25199

cg019611							
56	chr12	14135228		0.441805	4.458826	1.49E-05	0.254499
cg270766			ENSG000002400				
69	chr12	69327457	87	0.538032	4.428326	1.69E-05	0.258021
cg171877							
62	chr22	28070120		-0.59976	-4.43582	1.64E-05	0.258021
cg120642							
76	chr13	79182205		0.355215	4.415871	1.78E-05	0.262346
cg028549			LIX1L;RNF115;PI				
22	chr1	1.45E+08	AS3;ANKRD35	0.58653	4.432367	1.66E-05	0.258021
cg246585							
17	chr1	2.21E+08		0.433003	4.39036	1.98E-05	0.262941
cg211044							
12	chr3	42978026		0.793248	4.376485	2.09E-05	0.262941
cg021862							
98	chr11	65101602		0.376488	4.372202	2.13E-05	0.262941
cg018572							
60	chr19	50666552		0.603942	4.380193	2.06E-05	0.262941
cg186124							
61	chr15	75251733	ISLR	0.5395	4.366998	2.18E-05	0.262941
cg105013							
05	chr16	71518232		0.35585	4.381505	2.05E-05	0.262941
cg140419							
76	chr1	22978981		-0.46704	-4.3568	2.27E-05	0.262941
cg144201							
08	chr9	34647483		0.499208	4.331087	2.52E-05	0.278409
cg077415							
24	chr16	25026707		-0.30006	-4.32952	2.54E-05	0.278409
cg027997							
12	chr20	48532227		-0.37473	-4.3563	2.28E-05	0.262941
cg109203							
29	chr8	1.26E+08		-0.45759	-4.3078	2.78E-05	0.28802
cg124494							
04	chr2	40437698		-0.88981	-4.29948	2.87E-05	0.28802
cg124898							
96	chr6	364068		0.450503	4.294786	2.93E-05	0.28802
cg054017							
64	chr3	1.58E+08		0.409231	4.288103	3.01E-05	0.28802
cg080859							
17	chr12	1.33E+08		-0.36951	-4.28801	3.01E-05	0.28802
cg058477							
55	chr22	50009422		-0.39272	-4.27662	3.15E-05	0.28802
cg022328							
39	chr1	1.56E+08		0.612817	4.24191	3.63E-05	0.28802
cg135075							
60	chr2	1.34E+08		-0.48896	-4.2492	3.52E-05	0.28802
cg256571							
87	chr5	87969213		0.577382	4.244909	3.58E-05	0.28802

cg046183							
33	chr17	46800674		0.557355	4.24354	3.60E-05	0.28802
cg055454							
41	chr4	1.74E+08		0.476986	4.253315	3.46E-05	0.28802
cg128247							
19	chr22	43116300		-0.44372	-4.24745	3.55E-05	0.28802
cg046000							
77	chr5	1852839		-0.35772	-4.241	3.64E-05	0.28802
cg048413							
58	chr8	10897293		-0.71889	-4.21251	4.08E-05	0.301247
cg087744							
52	chr12	1.29E+08		0.671594	4.22594	3.87E-05	0.300447
cg226580							
82	chr5	1.37E+08		-0.32823	-4.21205	4.09E-05	0.301247
cg004023							
66	chr1	74663750		-0.56323	-4.24445	3.59E-05	0.28802
cg179035							
90	chr1	28623081 DNAJC8		-0.72017	-4.20625	4.18E-05	0.303106
cg139166							
33	chr11	35644854		-1.53416	-4.27563	3.16E-05	0.28802
cg024015							
89	chr11	93584748		-0.60465	-4.21479	4.04E-05	0.301247
ch.19.732							
135R	chr19	17385198		-0.77619	-4.19057	4.45E-05	0.31378
cg170629							
17	chr15	70054539		0.350957	4.18	4.65E-05	0.32034

cg042826						
94	chr6	5996412	0.491776	4.139303	5.46E-05	0.336905
cg082226						
18	chr4	941054	0.726098	4.127199	5.73E-05	0.336905
cg235706						
94	chr10	50976348	0.372851	4.120426	5.89E-05	0.336905
cg179033						
59	chr1	2.48E+08	-0.35518	-4.1084	6.17E-05	0.336905
cg068774						
86	chr13	45694166	0.940722	4.10048	6.37E-05	0.336905
cg242020						
21	chr6	31364902	-0.51178	-4.10846	6.17E-05	0.336905
cg233512						
71	chr8	1.46E+08	0.39001	4.096762	6.46E-05	0.336905
cg088336						
70	chr11	1.25E+08 ROBO3	0.776071	4.075525	7.02E-05	0.336905
cg047782						
74	chr19	35615444 LIN37	0.473012	4.108437	6.17E-05	0.336905
cg183157						
08	chr14	21673796 LINC00641	-0.62219	-4.06572	7.30E-05	0.338963
cg059577						
36	chr3	1.12E+08	-0.35409	-4.07723	6.97E-05	0.336905
cg018120						
45	chr2	2.2E+08	0.333636	4.080977	6.87E-05	0.336905
cg004710						
00	chr20	31618468 E2F1	-0.33712	-4.08603	6.74E-05	0.336905
cg128618						
09	chr5	1.26E+08	-0.53868	-4.07321	7.09E-05	0.336905
cg191989						
19	chr12	1.1E+08	0.460316	4.078496	6.94E-05	0.336905
cg008464						
83	chr8	1.25E+08	0.475822	4.075224	7.03E-05	0.336905
cg025042						
29	chr1	9555380	0.425159	4.106376	6.22E-05	0.336905
cg180302						
60	chr13	27884819	-0.36763	-4.08868	6.67E-05	0.336905
cg040958						
26	chr1	2.3E+08	0.648028	4.072898	7.09E-05	0.336905
cg079404						
28	chr4	1.85E+08	-0.48172	-4.0571	7.55E-05	0.343108
cg145462						
58	chr9	95421919 FAM120AOS	-0.38066	-4.07914	6.92E-05	0.336905
cg067487						
92	chr17	56062305	0.430353	4.077853	6.96E-05	0.336905
cg125031						
10	chr4	2760420	-0.36442	-4.06606	7.29E-05	0.338963
cg145499						
51	chr9	1.38E+08	0.601559	4.050113	7.75E-05	0.345704
cg086235						
48	chr1	1.54E+08	0.38578	4.057593	7.53E-05	0.343108



cg070225							
54	chr16	1993481	0.38191	4.039002	8.10E-05	0.345704	
cg113037							
38	chr3	42977889	0.549872	4.045686	7.89E-05	0.345704	
cg029173							
21	chr22	38215204 KCTD17	0.441082	4.029656	8.40E-05	0.345704	
cg159056							
34	chr7	1.43E+08	-0.5246	-4.04304	7.97E-05	0.345704	
cg252171							
00	chr13	37249426	0.6474	4.033496	8.27E-05	0.345704	
cg020168							
38	chr11	1.1E+08	-0.42982	-4.04037	8.05E-05	0.345704	
cg263778							
75	chr5	5421933	-0.68174	-4.02798	8.45E-05	0.345704	
cg200467							
77	chr12	61961255	-0.51221	-4.03347	8.27E-05	0.345704	
cg087248							
91	chr2	2.2E+08	-0.6187	-4.01709	8.82E-05	0.345704	
cg050434							
61	chr5	1.41E+08	0.535876	4.019603	8.73E-05	0.345704	
cg041472							
72	chr15	79261496	0.630305	4.022331	8.64E-05	0.345704	
cg215601							
91	chr19	44408232	-0.58394	-4.02072	8.69E-05	0.345704	
cg060815							
18	chr16	3220915	0.480304	4.026042	8.51E-05	0.345704	
cg085398		CDH23;PALD1;SL					
72	chr10	73004610 C29A3	-0.54481	-4.01442	8.91E-05	0.345704	
cg007574							
20	chr1	8398058	-0.40083	-4.01238	8.98E-05	0.345704	
cg033436							
31	chr13	1.15E+08	-0.53152	-4.00178	9.35E-05	0.350325	
cg093687							
04	chr12	1.23E+08 CLIP1	-0.67186	-3.99624	9.56E-05	0.352105	
cg114030							
27	chr5	42971411	0.600347	4.005978	9.20E-05	0.350325	
cg008762							
73	chr10	94452311	0.635794	3.999793	9.43E-05	0.350325	
cg215870							
66	chr13	37004940	0.540958	3.993336	9.66E-05	0.353025	
cg053899							
58	chr16	614986	-0.41598	-4.0153	8.88E-05	0.345704	
cg008040							
97	chr1	3349982	-0.56142	-4.00203	9.34E-05	0.350325	
ch.9.9195							
37F	chr9	76690975	0.558432	3.971762	0.000105	0.367688	
cg207601							
16	chr3	13324924	0.528536	3.984707	9.99E-05	0.358828	

cg165603							
13	chr14	1.03E+08		-0.5169	-3.97338	0.000104	0.367688
cg032363							
28	chr15	75101344		-0.33477	-3.96977	0.000106	0.367688
cg162452							
65	chr11	14995233		0.620567	3.987382	9.89E-05	0.35816
cg148847							
93	chr13	1.09E+08		0.684991	3.946064	0.000116	0.381055
cg086572							
47	chr17	27279763		0.331556	3.978493	0.000102	0.364451
cg253802							
07	chr10	49365197		0.415744	3.965814	0.000107	0.370301
cg022947							
64	chr13	1.13E+08		0.529251	3.95531	0.000112	0.37721
cg214669							
63	chr19	22817774		0.429915	3.954756	0.000112	0.37721
cg071401							
94	chr2	73150236		-0.36605	-3.9379	0.00012	0.38116
cg187710							
34	chr12	69327947		-0.54284	-3.944	0.000117	0.381055
cg175845							
12	chr3	73225164		-0.46545	-3.94972	0.000114	0.381055
cg253686							
51	chr11	6518287 OLFML1		0.605275	3.936053	0.00012	0.38116
cg149892							
52	chr5	57786449		0.596397	3.927864	0.000124	0.387509
cg169889							
89	chr15	25925801		-0.51207	-3.92356	0.000126	0.389161
cg166467							
43	chr19	9608947		0.710113	3.939913	0.000119	0.38116
cg226979							
62	chr2	71192118		0.446734	3.961455	0.000109	0.373533
cg173649							
13	chr7	1.57E+08		-0.58821	-3.91995	0.000128	0.389161
cg128536							
33	chr14	57264919		0.488271	3.928667	0.000124	0.387509
cg132525							
83	chr19	36909831		0.600661	3.913467	0.000131	0.390828
cg246921							
70	chr1	2.05E+08 SLC41A1		-0.51811	-3.92073	0.000128	0.389161

cg139128			C1orf194;GSTM				
58	chr1	1.1E+08	4;STRIP1;GSTM3	0.465411	3.945727	0.000116	0.381055
cg162823			;GPSM2;CELSR2;				
39	chr11	47927019	CSF1;WDR47	0.476459	3.919189	0.000128	0.389161

cg077955						
48	chr16	69457652	0.706891	3.912275	0.000132	0.390828
cg035179						
19	chr1	10398268	0.377681	3.938172	0.000119	0.38116
cg107188						
94	chr17	1094057	-1.06097	-3.91432	0.000131	0.390828
cg227186						
36	chr4	961658 DGKQ	1.034075	3.883278	0.000147	0.392971
cg054415						
96	chr4	905441	-0.46226	-3.88346	0.000147	0.392971
cg134723						
41	chr11	85522005	-0.27238	-3.9071	0.000134	0.390828
cg253422						
07	chr10	1.32E+08	0.506398	3.899483	0.000138	0.392971
cg070915						
48	chr1	18432960	-0.57654	-3.88824	0.000144	0.392971
cg273284						
69	chr4	79367640	-0.46162	-3.90104	0.000138	0.392971
cg164181						
83	chr16	51360402	-0.5585	-3.90827	0.000134	0.390828
cg120063						
99	chr15	84954185	-0.27247	-3.90883	0.000134	0.390828
cg253432						
27	chr22	42353589	0.356785	3.879478	0.000149	0.395357
cg006201						
90	chr6	26240307 BTN2A1	0.725659	3.887298	0.000145	0.392971
cg061667						
67	chr8	41167848	0.488723	3.88646	0.000145	0.392971
cg100798						
67	chr2	2.42E+08	-0.46841	-3.88855	0.000144	0.392971
cg046384						
68	chr4	1.23E+08	0.436483	3.863502	0.000158	0.405563
cg274132						
90	chr8	1.45E+08 TSTA3	0.693918	3.889624	0.000144	0.392971
cg211489						
23	chr5	45553518	-0.59201	-3.88883	0.000144	0.392971
cg015755						
19	chr16	89151852	-0.46585	-3.87573	0.000151	0.396896
cg059349						
97	chr16	81214503	-0.24763	-3.89366	0.000141	0.392971
cg270151						
74	chr15	43622946	-0.46712	-3.89029	0.000143	0.392971
cg081339						
37	chr11	46868042	-0.39397	-3.88915	0.000144	0.392971
cg189980						
02	chr17	38570480	0.439196	3.878386	0.00015	0.395357
cg103792						
09	chr19	45569281	-0.47426	-3.86995	0.000155	0.400727
cg055738						
44	chr12	54354590	0.496037	3.872593	0.000153	0.399166

cg040256							
75	chr15	45671028	0.558943	3.841991	0.000172	0.432036	
cg268299							
90	chr12	1.1E+08	-0.44156	-3.83755	0.000175	0.434171	
cg008965							
78	chr14	38083827	-0.54358	-3.86437	0.000158	0.405563	
cg254210							
69	chr16	75563114	0.456196	3.854544	0.000164	0.414591	
cg194085							
72	chr4	967324	1.947552	3.861976	0.000159	0.405563	
cg141614							
26	chr5	96143592	-0.20911	-3.82652	0.000182	0.441799	
cg107545							
05	chr20	60303881	-0.73348	-3.82263	0.000185	0.441799	
cg075151							
96	chr19	11354240 ICAM1	0.486886	3.805982	0.000197	0.456645	
cg066477							
51	chr10	88149324	0.508603	3.828687	0.000181	0.441799	
cg182817							
44	chr6	29455512	-0.49724	-3.82599	0.000182	0.441799	
cg095960							
25	chr16	84090260	0.433453	3.839866	0.000173	0.432945	
cg052165							
42	chr16	48109635 NETO2;PHKB	-0.63231	-3.81016	0.000194	0.452042	
cg246992							
71	chr3	4638584	0.490888	3.826569	0.000182	0.441799	
cg044613							
11	chr17	47926783	-0.37072	-3.81926	0.000187	0.444257	
cg162906							
89	chr13	31506685	0.41732	3.822233	0.000185	0.441799	
cg047323							
24	chr11	68564292	0.792877	3.792733	0.000207	0.464555	
cg265546							
74	chr1	1.01E+08 EXTL2	0.464668	3.82258	0.000185	0.441799	
cg003575							
03	chr15	44119060	0.328482	3.788678	0.00021	0.465615	
cg227555							
34	chr11	1.29E+08	-0.39701	-3.78758	0.00021	0.465615	
cg133850							
16	chr4	1.12E+08	0.73475	3.811004	0.000193	0.452042	
cg089226							
03	chr4	4763690	-0.37949	-3.79794	0.000203	0.460503	
cg023114							
56	chr4	6710661	0.585017	3.802062	0.000199	0.457548	
cg218156							
67	chr2	1.77E+08	0.478672	3.801105	0.0002	0.457548	
cg271913							
12	chr19	12750958	0.985929	3.795528	0.000204	0.462189	
cg156988							
51	chr8	29940391	-0.51117	-3.81227	0.000192	0.452042	

cg113427							
89	chr1	1.62E+08		-0.52702	-3.76511	0.000229	0.474631
cg206106							
05	chr16	30845651		0.405996	3.801746	0.0002	0.457548
cg027547							
06	chr6	82956845		-0.43146	-3.78512	0.000212	0.465615
cg202424							
99	chr14	24546847		-0.37915	-3.77056	0.000224	0.471384
cg116444							
79	chr11	2292914	CARS	-0.43453	-3.77147	0.000223	0.471384
cg209939							
09	chr8	916135	TDRP	-0.42578	-3.78187	0.000215	0.467017
cg217458							
73	chr7	4794773		-0.38123	-3.76149	0.000232	0.47488
cg272059							
02	chr11	1006985		0.379094	3.75591	0.000237	0.47488
cg135548			ENSG000002365				
78	chr6	1.59E+08	37	-0.37757	-3.77017	0.000225	0.471384
cg094531							
16	chr7	1.12E+08		0.229715	3.776461	0.000219	0.471127
cg218772							
01	chr1	47070058		-0.2408	-3.78524	0.000212	0.465615
cg132090							
77	chr1	2.14E+08		0.337349	3.781555	0.000215	0.467017
cg214893							
91	chr12	1.33E+08		-0.57355	-3.75903	0.000234	0.47488
cg138575							
19	chr11	18062735		-0.44019	-3.78008	0.000216	0.467202
cg132417							
40	chr10	1.15E+08		0.414912	3.769097	0.000225	0.471384
cg004652							
77	chr16	86121393		-0.35883	-3.78576	0.000212	0.465615
cg009627			PKP1;CAMSAP2;				
55	chr1	2.01E+08	LAD1	0.551468	3.768283	0.000226	0.471384
cg138991							
08	chr19	18344322	DDX49	0.429687	3.763534	0.00023	0.47488
cg075757							
70	chr4	1.74E+08		0.43562	3.77437	0.000221	0.471384
cg194214							
84	chr11	64052187		0.268396	3.757261	0.000235	0.47488
cg208568							
34	chr6	29342522		-0.6114	-3.7502	0.000242	0.478237
cg081180							
67	chr16	2986201		-0.4782	-3.75292	0.000239	0.475671
cg250215							
75	chr13	77461919		0.398318	3.736638	0.000254	0.493561
cg046944							
37	chr5	88185051		0.632998	3.756126	0.000236	0.47488

cg085902							
57	chr6	1.6E+08		-0.40524	-3.75377	0.000239	0.475671
cg167876							
00	chr10	1.06E+08		0.5346	3.737863	0.000253	0.493561
cg072218							
32	chr1	2.37E+08		-0.44627	-3.72689	0.000263	0.503981
cg271128							
97	chr17	5974078		0.325619	3.747308	0.000244	0.481133
cg017971							
60	chr19	7531966 CD209		-0.42849	-3.75781	0.000235	0.47488
cg185164							
71	chr3	42978248		0.608314	3.740308	0.000251	0.491417
cg084106							
13	chr7	26657674 HOXA5;HOXA3		-0.58497	-3.7187	0.000271	0.503981
cg115037							
20	chr1	1.67E+08		0.245389	3.717629	0.000272	0.503981
cg254561		ALX4;TSPAN18;C					
44	chr11	44629374 11orf96		0.455772	3.718543	0.000271	0.503981
cg053734							
57	chr8	99439948		0.365501	3.729896	0.00026	0.501368
cg234951							
16	chr8	1.19E+08		0.557812	3.718532	0.000271	0.503981
cg166450							
33	chr5	1.5E+08		-0.44346	-3.72032	0.00027	0.503981
cg204565							
64	chr4	1.23E+08		0.595564	3.718131	0.000272	0.503981
cg009593							
08	chr20	61558735		0.401283	3.71425	0.000276	0.508049
cg043678							
66	chr2	66695875		-1.13554	-3.70257	0.000288	0.521132
cg074708							
30	chr6	76000847		-0.45348	-3.73041	0.00026	0.501368
ch.19.178							
7100F	chr19	54635630 LAIR1		-0.33035	-3.70638	0.000284	0.518406
cg229465							
57	chr19	58878639		-0.53964	-3.70433	0.000286	0.520081
cg002558							
53	chr6	33176439		-0.21918	-3.6965	0.000294	0.521132
cg151236							
92	chr2	23886357		0.623954	3.712324	0.000278	0.509443
cg097638							
14	chr4	680234		0.424931	3.69341	0.000298	0.521132
cg008928							
91	chr8	23423734 CHMP7		-0.70157	-3.69826	0.000292	0.521132
cg049009							
99	chr17	40610958		-0.2759	-3.69013	0.000301	0.521132

cg003274			ENSG000002268				
37	chr1	64578227	91;MIR101-1	-0.6461	-3.69504	0.000296	0.521132
cg115239							
60	chr5	88004111		-0.41863	-3.69266	0.000298	0.521132
cg012105							
54	chr7	27191564		0.556954	3.684213	0.000308	0.521852
cg063999							
33	chr11	15134022		-0.34921	-3.719	0.000271	0.503981
cg043963							
12	chr10	88702403		0.552354	3.692056	0.000299	0.521132
cg047296							
55	chr2	2.2E+08		-0.27529	-3.6999	0.000291	0.521132
cg211014							
47	chr13	30911725		-0.34823	-3.67772	0.000315	0.527004
cg068845							
59	chr16	88688842	GALNS	-0.43427	-3.69472	0.000296	0.521132
cg246862							
70	chr5	1.47E+08		0.440626	3.667643	0.000327	0.527004
cg240770							
01	chr2	71504971		0.445978	3.690104	0.000301	0.521132
cg100161							
45	chr12	1.32E+08		-0.28003	-3.68074	0.000312	0.526388
cg050112							
58	chr16	67360300		0.495994	3.695181	0.000296	0.521132
cg190033							
04	chr8	60029914		0.540254	3.719408	0.000271	0.503981
cg115636							
80	chr6	1.01E+08		0.556275	3.687772	0.000304	0.521852
cg092871							
90	chr13	1.01E+08		0.306896	3.672773	0.000321	0.527004
cg264636							
21	chr18	13219222		0.364956	3.667992	0.000326	0.527004
cg069429							
46	chr1	52604255		-0.31922	-3.68747	0.000304	0.521852
cg229734							
68	chr8	54569817		0.512823	3.684648	0.000307	0.521852
cg199389							
22	chr22	47231861		0.469674	3.685002	0.000307	0.521852
cg257740							
98	chr1	1.61E+08		-0.26194	-3.66849	0.000326	0.527004
cg002170							
80	chr2	4050767		-0.69257	-3.67448	0.000319	0.527004
cg263876							
19	chr3	1.34E+08		-0.30586	-3.66332	0.000332	0.531934
cg072660							
46	chr2	2.03E+08		-0.55335	-3.65039	0.000348	0.535552
cg189439							
69	chr1	1.17E+08		-0.24016	-3.66885	0.000325	0.527004

cg256394							
49	chr15	68129069	-0.4518	-3.6677	0.000327	0.527004	
cg015556							
04	chr14	45431583	0.370378	3.662277	0.000333	0.531934	
cg173569							
64	chr6	1.07E+08	-0.41958	-3.67277	0.000321	0.527004	
cg113825							
29	chr8	65490613	0.478158	3.660623	0.000335	0.531934	
cg242527							
08	chr6	32046663	0.303468	3.671116	0.000323	0.527004	
cg013644							
98	chr3	48594400	-0.2542	-3.67265	0.000321	0.527004	
cg012531							
60	chr11	1.25E+08	0.525737	3.658896	0.000337	0.531934	
cg062262							
79	chr2	1.22E+08	-0.38688	-3.64819	0.000351	0.535552	
cg170224							
37	chr10	43800382	0.271705	3.658884	0.000337	0.531934	
cg265109							
75	chr7	5347588	-0.58955	-3.65102	0.000347	0.535552	
cg235228							
95	chr17	80673675	0.448177	3.679269	0.000313	0.527004	
cg189646							
09	chr2	1.2E+08	0.471056	3.646719	0.000352	0.535552	
cg175595							
49	chr17	19280947	-0.34636	-3.66107	0.000335	0.531934	
cg178839							
60	chr12	1.3E+08	-0.45853	-3.64918	0.000349	0.535552	
cg011814							
85	chr4	1.53E+08 ARFIP1	-0.36742	-3.65523	0.000342	0.535552	
cg219208							
59	chr3	1.68E+08	0.375951	3.644929	0.000355	0.535552	
cg177845							
91	chr6	30306659 ZNRD1	-0.51239	-3.65331	0.000344	0.535552	
cg088331							
26	chr4	1.8E+08	-0.64873	-3.63695	0.000365	0.536164	
cg257880							
88	chr4	1546465	-0.44201	-3.64305	0.000357	0.535552	
cg024817							
89	chr17	40805506	0.379553	3.643456	0.000357	0.535552	
cg267991							
96	chr6	31471658	-0.3633	-3.64503	0.000355	0.535552	
cg140866							
81	chr7	1.58E+08	-0.37573	-3.64162	0.000359	0.536164	
cg124250							
57	chr3	15107106	0.684246	3.638287	0.000363	0.536164	
cg196600							
63	chr5	16616510	-0.52821	-3.62446	0.000382	0.547622	
cg011127							
78	chr5	1.46E+08	0.478925	3.644495	0.000355	0.535552	



cg269324							
32	chr11	31830524		0.383617	3.638287	0.000363	0.536164
cg043457			ENSG000002320				
51	chr1	2.45E+08	59	0.586653	3.639356	0.000362	0.536164
cg145627							
15	chr10	37967668		0.289074	3.63771	0.000364	0.536164
cg036689							
97	chr19	21264131		0.548758	3.623286	0.000383	0.548093
cg271728							
80	chr19	40562354		-0.3463	-3.65297	0.000345	0.535552
cg218082							
40	chr19	36822564	ZFP82	0.429757	3.633713	0.000369	0.538749
cg012069							
70	chr19	49621187		-0.36903	-3.62736	0.000378	0.545609
cg273932							
85	chr19	57277288		0.62295	3.635004	0.000368	0.538088
cg060306							
89	chr15	20768083		-0.42471	-3.64592	0.000353	0.535552
cg020384							
18	chr15	39958882		0.49905	3.630176	0.000374	0.541945
cg175169							
45	chr8	38088501		0.381279	3.621923	0.000385	0.548589
cg144723							
84	chr6	27256375		0.527594	3.615953	0.000394	0.553447
cg093957							
32	chr3	10857456		0.491411	3.620454	0.000387	0.548589
cg220085							
51	chr19	46452989	CCDC8;FOXA3	-0.48948	-3.60367	0.000411	0.563195
cg240963							
87	chr13	1.14E+08		-0.41896	-3.60203	0.000414	0.563195
cg032984							
11	chr22	39077903		-0.19941	-3.62486	0.000381	0.547622
cg041510							
62	chr1	1.17E+08		0.346766	3.607272	0.000406	0.563195
cg251744							
38	chr4	85403915	NKX6-1	0.455143	3.604412	0.00041	0.563195
cg099705							
52	chr11	57520334		-0.3452	-3.61097	0.000401	0.55973
cg136665							
07	chr5	63257941		0.554753	3.611443	0.0004	0.55973
cg091521							
05	chr1	1.54E+08		-0.28514	-3.62025	0.000388	0.548589
cg106784							
86	chr18	48494218		-0.34982	-3.63062	0.000373	0.541945
cg001631							
99	chr17	18089483	FAM83G	0.557018	3.592441	0.000428	0.564874
cg094360							
67	chr3	1.86E+08		-0.37227	-3.60337	0.000412	0.563195
cg270392							
37	chr15	1.02E+08		-0.27398	-3.61841	0.00039	0.550399

cg270793		ENSG000002671				
22	chr17	59530436 37	0.671154	3.598489	0.000419	0.564874
cg235588						
42	chr11	15095178 PDE3B	0.532429	3.59257	0.000428	0.564874
cg210461						
19	chr2	1.34E+08	-0.47856	-3.59657	0.000422	0.564874
cg225852						
24	chr4	1.23E+08	-0.37805	-3.59707	0.000421	0.564874
cg262117						
24	chr18	57636670	0.790483	3.602576	0.000413	0.563195
cg134608						
58	chr9	96720652 FGD3	0.317822	3.593236	0.000427	0.564874
cg079983						
96	chr10	1.3E+08 MKI67	-0.41012	-3.59422	0.000425	0.564874
cg115840						
98	chr5	1.16E+08	0.592104	3.596389	0.000422	0.564874
cg041063						
95	chr8	1049215	-0.98442	-3.57788	0.000451	0.564874
cg068186						
05	chr7	1.49E+08	0.36338	3.603978	0.000411	0.563195
cg148597						
49	chr22	30753135 ZMAT5	-0.24671	-3.58414	0.000441	0.564874
cg000390						
16	chr16	87421584	0.414525	3.584107	0.000441	0.564874
cg165601						
92	chr12	1.21E+08 RNU4-1	0.469891	3.58484	0.00044	0.564874
cg262121						
63	chr5	1.5E+08	0.609872	3.609328	0.000403	0.5612
cg230436						
11	chr15	93139145	0.530393	3.572589	0.00046	0.564874
cg086352						
55	chr17	79604305 PYCR1	-0.36206	-3.57331	0.000458	0.564874
cg091290						
67	chr8	1.04E+08	-0.56395	-3.58832	0.000434	0.564874
cg002681						
49	chr4	1.84E+08	0.524524	3.576466	0.000453	0.564874
cg201910						
30	chr10	81743546	0.461162	3.571601	0.000461	0.564874
cg274291						
06	chr2	1E+08	-0.36203	-3.57567	0.000454	0.564874
cg052418						
30	chr5	17128822	-0.40424	-3.57261	0.000459	0.564874
cg011077						
41	chr17	77006080	0.341398	3.571231	0.000462	0.564874
cg082739						
35	chr1	2518354	-0.3212	-3.57704	0.000452	0.564874
cg176303						
89	chr8	1.04E+08	-0.52007	-3.56251	0.000476	0.564874
cg032426						
98	chr10	1.03E+08	0.385654	3.565274	0.000472	0.564874

cg020734						
08	chr3	49296857	0.467534	3.569612	0.000464	0.564874
cg099195						
70	chr16	49311782	0.46137	3.563058	0.000475	0.564874
cg272546						
20	chr6	27265855	0.409257	3.584989	0.00044	0.564874
cg150871						
78	chr10	61946556 RHOBTB1	0.837434	3.572356	0.00046	0.564874
cg037904						
22	chr17	39552818	-0.32263	-3.5694	0.000465	0.564874
cg151613						
71	chr1	3613808	-0.40358	-3.57059	0.000463	0.564874
cg054752						
77	chr22	36902578	0.430298	3.570141	0.000464	0.564874
cg144522						
99	chr9	1.41E+08	-0.44077	-3.56775	0.000467	0.564874
cg055725						
68	chr7	98475809	-0.40466	-3.54726	0.000503	0.564874
cg118780						
16	chr7	84816843	0.659058	3.567587	0.000468	0.564874
cg012928						
46	chr17	33672543 SLFN5;UNC45B	0.431082	3.558634	0.000483	0.564874
cg063693						
27	chr3	1.47E+08	0.556408	3.563566	0.000474	0.564874
cg068142						
56	chr16	85382703	-0.34149	-3.56973	0.000464	0.564874
cg029339						
09	chr10	27703329	0.641411	3.554348	0.00049	0.564874
cg250531						
42	chr10	775353	-0.49168	-3.54697	0.000503	0.564874
cg014023						
47	chr4	96472269	-0.55628	-3.56959	0.000464	0.564874
cg050164		ZNF300P1;SLC36				
08	chr5	1.5E+08 A1	0.725072	3.55365	0.000491	0.564874
cg173588						
83	chr4	1.12E+08	0.403878	3.558608	0.000483	0.564874
cg007816						
04	chr2	2.03E+08	-0.28613	-3.56915	0.000465	0.564874
cg184358						
32	chr15	45671155	0.557469	3.550835	0.000496	0.564874
cg032823						
36	chr10	18947857	0.512041	3.56517	0.000472	0.564874
cg117229						
71	chr2	1286544 PXDN	0.435374	3.549606	0.000498	0.564874
cg135975						
28	chr17	46800680	0.406671	3.560989	0.000479	0.564874
cg247231						
40	chr2	1.15E+08	0.624052	3.576673	0.000453	0.564874

cg058716							
14	chr22	42078330		0.265078	3.580635	0.000447	0.564874
cg068427							
81	chr15	29562077		0.211018	3.540858	0.000514	0.564901
cg239770							
02	chr2	8945049		0.526235	3.548554	0.0005	0.564874
cg095370							
31	chr8	19171706		-0.41362	-3.56461	0.000473	0.564874
cg055563							
61	chr8	93097402		-0.43594	-3.55141	0.000495	0.564874
cg113980							
31	chr19	51302503		-0.37468	-3.55609	0.000487	0.564874
cg187591							
90	chr1	2.07E+08	FAIM3	0.430843	3.583567	0.000442	0.564874
cg246763							
03	chr2	1682401		0.3503	3.546027	0.000505	0.564874
cg224437							
62	chr1	1.98E+08		0.41018	3.558473	0.000483	0.564874
cg234453							
41	chr19	1113357		0.394319	3.547831	0.000502	0.564874
cg019293							
77	chr13	37634127		0.48895	3.552865	0.000493	0.564874
cg128699							
83	chr3	8468525		-0.4555	-3.53723	0.000521	0.564901
cg047745							
97	chr15	69744390		0.558174	3.554836	0.000489	0.564874
cg048589							
87	chr3	15359338	FGD5;EAF1	-0.3956	-3.5571	0.000485	0.564874

			MAGI2;CCDC146				
			;RPL13AP17;ENS				
			G00000232756;				
cg198182			ENSG000002509				
71	chr7	77468418	90	0.780467	3.55007	0.000498	0.564874
cg063667							
91	chr1	63249213		0.822657	3.542734	0.000511	0.564901
cg077657							
06	chr8	1.33E+08		-0.46944	-3.5468	0.000503	0.564874
cg048097							
12	chr7	44749757		-0.38557	-3.54962	0.000498	0.564874
cg130840							
49	chr19	55851240		-0.29521	-3.5334	0.000528	0.565434
cg210524							
15	chr13	25746587		0.297617	3.55325	0.000492	0.564874
cg224969							
73	chr2	75937535		-0.50134	-3.53579	0.000523	0.564901
ch.6.9885							
9407F	chr6	98752686		0.666175	3.540829	0.000514	0.564901

cg195132						
07	chr3	1.43E+08	0.572961	3.532071	0.00053	0.566674
cg164215						
26	chr4	1.15E+08	-0.25394	-3.54164	0.000513	0.564901
cg271356						
92	chr14	60097536 DACT1	0.405112	3.557169	0.000485	0.564874
cg197848						
73	chr4	1.85E+08	-0.41481	-3.54718	0.000503	0.564874
cg010853						
28	chr22	17589864	0.429212	3.53714	0.000521	0.564901
cg157446						
92	chr15	45671195 GATM	0.484852	3.524676	0.000544	0.568385
cg172708						
91	chr4	1.33E+08	-0.42293	-3.54793	0.000501	0.564874
cg246532						
70	chr15	80543517	0.39051	3.556315	0.000487	0.564874
cg081623						
27	chr22	39642281	-0.36733	-3.54671	0.000504	0.564874
cg072647						
26	chr3	1.43E+08	0.438614	3.540232	0.000515	0.564901
cg110547						
74	chr11	824777	0.610479	3.534384	0.000526	0.564901
cg027614						
97	chr5	6712440	-0.24718	-3.53486	0.000525	0.564901
cg196708						
85	chr4	3345495	-0.41675	-3.52281	0.000548	0.568385
cg146943						
81	chr8	1.1E+08	-0.4833	-3.52857	0.000537	0.568385
cg078393						
13	chr19	17514600	0.241928	3.525481	0.000543	0.568385
cg240576						
80	chr5	6633496	-0.26399	-3.53982	0.000516	0.564901
cg195928						
29	chr20	57426215	0.266042	3.53609	0.000523	0.564901
cg024724						
86	chr20	42143502	0.275375	3.544475	0.000508	0.564901
cg102790						
55	chr11	1.34E+08	-0.37321	-3.53533	0.000524	0.564901
cg004074						
84	chr19	45566128	0.39382	3.534439	0.000526	0.564901
cg175912						
19	chr2	1.67E+08	0.537959	3.52163	0.00055	0.569374
cg128060						
01	chr8	19614157	-0.38405	-3.51452	0.000564	0.576776
cg153642						
76	chr12	62860451	-0.35277	-3.51822	0.000557	0.572084
cg027672						
02	chr2	2.2E+08	0.265854	3.519843	0.000554	0.570199
cg072952						
48	chr9	79074560	0.358099	3.541511	0.000513	0.564901

cg007120							
50	chr8	1.33E+08	KCNQ3;LRRC6	-0.35561	-3.51998	0.000553	0.570199
cg139212							
20	chr1	18610522		-0.3482	-3.52707	0.00054	0.568385
cg014120							
11	chr4	3652433		0.329195	3.52976	0.000535	0.568385
cg208666							
94	chr6	27181670		0.609889	3.526419	0.000541	0.568385

			THRA;PLXDC1;W				
			IPF2;PIP4K2B;RA				
cg021842							
26	chr17	37385773	PGEFL1;MLLT6	-0.39289	-3.51742	0.000558	0.572306
cg116116							
00	chr15	84323154		0.498232	3.500134	0.000593	0.589161
cg234184							
67	chr4	6729081		0.951392	3.512725	0.000568	0.579045
cg010061							
93	chr12	6097872	SCARNA10	0.313239	3.531308	0.000532	0.566783
cg048339							
38	chr16	81248670		0.27622	3.525273	0.000543	0.568385
cg094733							
15	chr17	76228233		0.55204	3.506472	0.00058	0.585803
cg004592							
89	chr7	1.52E+08		-0.25411	-3.52736	0.000539	0.568385
cg044458							
71	chr3	1.37E+08		0.381893	3.499112	0.000595	0.589161
cg202965							
24	chr1	2.35E+08		-0.20561	-3.49955	0.000594	0.589161
cg102386							
03	chr1	2337875		-0.48354	-3.49972	0.000594	0.589161
cg168742							
52	chr2	2.34E+08		-0.48614	-3.50603	0.000581	0.585803
cg215150							
03	chr8	1049335		-0.52186	-3.49236	0.00061	0.589161
cg042129							
79	chr17	63096635	LRRC37A3	-0.33832	-3.51049	0.000572	0.582201
cg224603							
66	chr20	55108116		-0.35997	-3.49353	0.000607	0.589161
cg023731							
52	chr6	52227767		-0.55942	-3.52294	0.000548	0.568385
cg003206							
25	chr6	30584596		0.416396	3.504074	0.000585	0.588443

			DUOX2;DUOXA1				
			;DUOXA2;C15orf				
cg179717							
47	chr15	45410236	48;DUOX1	0.476716	3.506399	0.00058	0.585803

cg055775							
48	chr11	70666748		-0.53418	-3.4935	0.000607	0.589161
cg189440							
47	chr17	72322143		0.463856	3.496516	0.000601	0.589161
cg257217							
32	chr2	74602550		-0.39486	-3.50203	0.000589	0.589161
cg120583							
72	chr20	48252667		0.770535	3.523012	0.000547	0.568385
cg105084							
16	chr12	324747		-0.37192	-3.47342	0.000651	0.597099
cg133641							
46	chr18	74606944		-0.46002	-3.49871	0.000596	0.589161
cg102173							
27	chr6	1.19E+08		0.290305	3.507783	0.000578	0.585803

			ZIK1;ZNF135;ZN				
			F418;ZNF211;ZN				
cg221871			F274;ZNF549;ZN				
25	chr19	58565865	F134	-0.3884	-3.48778	0.000619	0.591541
cg104004							
99	chr19	53088849		0.679885	3.480889	0.000634	0.596331
cg186390							
49	chr17	78965417		-0.30533	-3.48719	0.000621	0.591541
cg026080							
19	chr9	93564028		-0.27755	-3.48959	0.000615	0.591192

cg031325			ESPL1;CALCOCO				
56	chr12	54366760	1;TENC1	0.534191	3.487655	0.00062	0.591541
cg121210							
75	chr12	1.22E+08		0.427974	3.498315	0.000597	0.589161
cg052105							
26	chr1	64059049		-0.31673	-3.49401	0.000606	0.589161
cg242189							
95	chr18	67873134		-0.27359	-3.49188	0.000611	0.589161
cg254203							
98	chr3	1.34E+08		0.48559	3.492562	0.000609	0.589161
cg041442							
18	chr7	69559531		-0.46969	-3.50046	0.000593	0.589161
cg064792							
54	chr2	1.77E+08		0.533502	3.493391	0.000607	0.589161
cg135871							
80	chr4	42403248		0.660662	3.478504	0.00064	0.596331
cg068721							
63	chr11	72145126	P2RY6	0.344459	3.486853	0.000621	0.591541
cg007349							
60	chr14	50319966		0.489136	3.47631	0.000645	0.596409
cg181904							
17	chr12	1.31E+08	GPR133	0.39551	3.495602	0.000603	0.589161

cg013069						
85	chr6	29720340	-0.32443	-3.47767	0.000642	0.596331
cg005629						
76	chr12	95927545	0.581473	3.482377	0.000631	0.596331
cg045261						
24	chr7	23571763	0.280255	3.468788	0.000662	0.597099
cg182199						
97	chr10	1.34E+08 TTC40	0.31493	3.484493	0.000627	0.595104
cg109410						
06	chr4	942705	0.392008	3.473194	0.000652	0.597099
cg152661						
21	chr12	1.06E+08 RPL18AP3	0.191592	3.471246	0.000656	0.597099
cg139371						
64	chr18	19780587	0.441812	3.478767	0.000639	0.596331
cg222780						
87	chr10	21462145	-0.56005	-3.47254	0.000653	0.597099
cg208109						
03	chr1	63787094 EFCAB7	0.252588	3.474718	0.000648	0.597099
cg029752						
43	chr16	85171958	-0.46263	-3.48088	0.000634	0.596331
cg173394						
14	chr4	1334513	-0.37631	-3.49186	0.000611	0.589161
cg084323						
83	chr11	1.29E+08 BARX2;C11orf45	0.531511	3.470309	0.000658	0.597099
cg226483						
75	chr7	1.07E+08	-0.37577	-3.4746	0.000649	0.597099
cg134893						
47	chr15	90321747 POLG	-0.26494	-3.4804	0.000636	0.596331
cg169032						
25	chr7	32111066	0.396153	3.467327	0.000665	0.597099
cg077785						
34	chr16	89601834	0.413033	3.468223	0.000663	0.597099
cg255460						
04	chr11	1.15E+08	0.419631	3.477492	0.000642	0.596331
cg251374						
03	chr2	1.77E+08	0.450349	3.456537	0.00069	0.602338
cg165490						
27	chr6	43149629 KLHDC3	0.409156	3.489925	0.000615	0.591192
cg040524						
66	chr19	2251061	0.606997	3.476969	0.000643	0.596331
cg001523						
22	chr15	65198005 ANKDD1A	0.719889	3.452225	0.000701	0.604028
cg121267						
86	chr5	77656518 PDE8B	-0.29271	-3.46467	0.000671	0.597799
cg057367						
68	chr8	1.05E+08	0.391458	3.469259	0.000661	0.597099
cg237052						
24	chr15	48483948	0.448325	3.457596	0.000688	0.602338
cg193344						
06	chr11	1.26E+08	0.405102	3.456425	0.000691	0.602338



cg063384							
99	chr18	34854300		0.368052	3.462085	0.000677	0.597799
cg100466							
71	chr1	956299		-0.22317	-3.47753	0.000642	0.596331
cg115603							
74	chr15	55790446		0.359662	3.464333	0.000672	0.597799
cg063573							
05	chr20	48183673		-0.45413	-3.46877	0.000662	0.597099
cg057264							
32	chr17	79317944		-0.28433	-3.45807	0.000687	0.602338
cg020593			PKMYT1;ENSG00				
15	chr16	3989432	000272079	0.40548	3.455932	0.000692	0.602338
cg269433							
78	chr22	50689804		0.187147	3.462796	0.000676	0.597799
cg141811							
69	chr14	36003074		0.299412	3.460619	0.000681	0.598724
cg012457							
87	chr4	71859630		-0.45722	-3.4679	0.000664	0.597099
cg209855							
60	chr4	1409174		0.496871	3.461659	0.000678	0.597799
cg185279							
71	chr2	1.78E+08		-0.54766	-3.45206	0.000701	0.604028
cg101274							
90	chr3	15563072	ANKRD28;FGD5	0.378721	3.463753	0.000673	0.597799
cg038264							
30	chr10	1.35E+08		-0.3246	-3.44603	0.000716	0.604028
cg008745							
58	chr8	2021720	CSMD1	0.419103	3.471088	0.000656	0.597099
cg233453							
00	chr2	1.77E+08		0.435723	3.452825	0.000699	0.604028
cg152409							
90	chr19	10959157		0.463003	3.446101	0.000716	0.604028
cg043985							
26	chr16	1035197		-0.58394	-3.4447	0.000719	0.604028
cg039748							
89	chr1	91192162		0.383619	3.448906	0.000709	0.604028
cg020767							
85	chr2	98963582		0.528491	3.480638	0.000635	0.596331
cg263338							
37	chr10	71332744		0.333447	3.449999	0.000706	0.604028
cg134515							
48	chr9	98545297		0.364684	3.466788	0.000666	0.597099
cg133920							
78	chr9	36036514		0.825807	3.437098	0.000738	0.604028
cg030621							
96	chr1	64934334		0.596939	3.45029	0.000706	0.604028
cg047226							
05	chr1	1.17E+08		-0.33273	-3.44918	0.000708	0.604028

cg187093							
49	chr19	46999274	SNRPD2;HIF3A	-0.41078	-3.44132	0.000728	0.604028
cg012144							
58	chr22	28193996	PITPNB	0.511662	3.450994	0.000704	0.604028
cg113859							
38	chr7	6432590	RAC1	-0.48923	-3.43597	0.000741	0.604028
cg191944							
48	chr2	1.79E+08		-0.39937	-3.43131	0.000753	0.604028
cg136767							
63	chr9	1.29E+08	SLC2A8	0.359182	3.432512	0.00075	0.604028
cg159319							
21	chr6	1.71E+08		-0.70811	-3.44294	0.000724	0.604028
cg092627							
32	chr7	1E+08		-0.37036	-3.46341	0.000674	0.597799
cg130516							
07	chr15	22956714		-0.34716	-3.44562	0.000717	0.604028
cg140899							
81	chr9	1.25E+08		-0.35831	-3.43342	0.000748	0.604028
cg116309							
89	chr16	1267866		-0.32771	-3.43796	0.000736	0.604028
cg059419							
24	chr12	1.08E+08		-0.39609	-3.43656	0.00074	0.604028
cg036690							
00	chr5	1556703		-0.39043	-3.43859	0.000735	0.604028
cg142444							
93	chr9	1.38E+08		-0.41838	-3.43124	0.000754	0.604028
cg146512							
49	chr9	1.35E+08		0.40145	3.445241	0.000718	0.604028
cg242867							
65	chr3	1.37E+08		0.430743	3.462289	0.000677	0.597799
cg240923							
07	chr3	1.46E+08		0.696167	3.432908	0.000749	0.604028
cg176482							
41	chr11	1.07E+08		-0.41887	-3.4314	0.000753	0.604028
cg091450							
53	chr16	84693437		-0.33413	-3.43297	0.000749	0.604028
cg276215							
14	chr8	2029571		-0.40854	-3.45066	0.000705	0.604028
cg198012							
56	chr5	52166469	ITGA2	-0.43517	-3.4276	0.000763	0.604028
cg168178							
26	chr3	62356323		0.399386	3.423436	0.000774	0.604028
cg250481							
00	chr6	1.68E+08		-0.38131	-3.43072	0.000755	0.604028
cg118795							
14	chr17	66287032		0.619826	3.431696	0.000752	0.604028
cg004364							
76	chr6	26240505		0.357498	3.419947	0.000783	0.604028
cg037358							
88	chr19	58951602		-0.31807	-3.43153	0.000753	0.604028

cg127589							
73	chr1	2.48E+08		0.740055	3.419136	0.000786	0.604028
cg147294							
56	chr17	27324244		-0.32209	-3.43022	0.000756	0.604028
cg092612							
62	chr10	88414554		-0.36898	-3.42774	0.000763	0.604028
			MRPS31;OR7E36				
cg125882			P;LINC00332;RG				
00	chr13	41372722	CC	0.562028	3.436554	0.00074	0.604028
cg245541							
47	chr5	1.61E+08		0.594606	3.424719	0.000771	0.604028
cg135604							
52	chr6	1.38E+08		0.402729	3.419508	0.000785	0.604028
cg030529							
62	chr21	44312871		-0.42006	-3.43226	0.000751	0.604028
cg251303							
85	chr9	1.36E+08		0.412091	3.422245	0.000777	0.604028
cg194371							
83	chr8	77585222		-0.54898	-3.42304	0.000775	0.604028
cg068585							
84	chr2	1.32E+08		-0.43445	-3.41943	0.000785	0.604028
cg172027							
35	chr12	78604453		-0.45445	-3.42228	0.000777	0.604028
cg179188							
30	chr19	10982064		-0.25634	-3.42368	0.000773	0.604028
cg097060							
21	chr6	33399109		0.415175	3.420584	0.000782	0.604028
cg066108			ENSG000001765				
49	chr19	58520847	93	0.438315	3.416914	0.000792	0.604028
cg117617							
28	chr4	1.12E+08		0.226402	3.423252	0.000775	0.604028
cg025284							
00	chr8	2832078		0.473729	3.428024	0.000762	0.604028
cg217699							
69	chr6	1.08E+08		0.557145	3.41575	0.000795	0.604028
cg014631							
54	chr8	65491938		0.425034	3.415515	0.000795	0.604028
cg027887							
31	chr1	2.48E+08		-0.63018	-3.42108	0.00078	0.604028
cg034461							
65	chr16	3107168		-0.31685	-3.41903	0.000786	0.604028
cg053701							
36	chr19	36910116	LINC00665	0.45172	3.435061	0.000744	0.604028
cg099115							
85	chr19	38308749		0.418256	3.431759	0.000752	0.604028
cg080422							
58	chr9	1.03E+08		0.626801	3.403784	0.000828	0.604028
cg126495							
39	chr6	42111545		-0.41399	-3.41531	0.000796	0.604028

cg208919							
87	chr6	30295951		0.435171	3.416507	0.000793	0.604028
cg191313							
43	chr12	1.33E+08		0.350974	3.41537	0.000796	0.604028
cg250276							
99	chr12	1.01E+08		-0.505	-3.4233	0.000774	0.604028
cg216938							
83	chr21	47408455		-0.66043	-3.41925	0.000785	0.604028
cg200485							
99	chr12	6992923		-0.31964	-3.41371	0.0008	0.604028
cg073666							
60	chr22	45680498		0.36957	3.41771	0.000789	0.604028
cg046838							
24	chr16	34293670		0.557515	3.41055	0.000809	0.604028
cg194455							
88	chr12	1.17E+08		-0.35325	-3.41985	0.000784	0.604028
cg089852							
59	chr11	1.17E+08		0.485733	3.406146	0.000821	0.604028
cg010745							
84	chr8	41168072		0.473137	3.409265	0.000813	0.604028
cg260186							
85	chr12	46663660		0.573864	3.419138	0.000786	0.604028
cg092689							
63	chr14	64692302		-0.31203	-3.41046	0.000809	0.604028
cg242954							
05	chr19	1174407		-0.4767	-3.40081	0.000837	0.607113
cg047996							
64	chr16	57053850		-0.42139	-3.40467	0.000826	0.604028
cg064003			ZNF19;HYDIN;M				
34	chr16	71436020	TSS1L;PMFBP1	-0.42351	-3.41189	0.000805	0.604028
cg084063							
48	chr2	75700566		-0.33185	-3.40531	0.000824	0.604028
cg181863							
27	chr1	38888789		-0.45487	-3.4113	0.000807	0.604028
cg094998							
56	chr5	41510325		0.552991	3.398347	0.000844	0.61067
cg237801							
10	chr2	26045244		0.626118	3.410005	0.000811	0.604028
cg138448							
99	chr7	1.05E+08	KMT2E	0.443434	3.423557	0.000774	0.604028
cg142166							
30	chr9	1.08E+08		-0.53571	-3.41081	0.000808	0.604028
cg117051							
67	chr10	86001364		-0.45737	-3.4056	0.000823	0.604028
cg082387							
94	chr19	581564		-0.28127	-3.41491	0.000797	0.604028
cg213838							
10	chr12	65515470		0.462928	3.416342	0.000793	0.604028

cg129286							
19	chr2	74648754		0.226222	3.423523	0.000774	0.604028
cg193546							
56	chr1	1.6E+08		0.349815	3.406987	0.000819	0.604028
cg129542							
67	chr6	33093109		-0.48156	-3.41297	0.000802	0.604028
cg274316							
71	chr11	72810801	FCHSD2	0.458679	3.412423	0.000804	0.604028
cg261209							
02	chr11	46765391	C11orf49	0.405233	3.394668	0.000854	0.61067
cg180042							
39	chr11	57283236		-0.25997	-3.39587	0.000851	0.61067
cg224327							
60	chr17	80829718		1.008809	3.405791	0.000822	0.604028
cg190814							
37	chr17	46655796	SKAP1;NXPH3	0.490015	3.406993	0.000819	0.604028
cg147251							
51	chr19	46930115	PNMAL2	0.401019	3.392005	0.000862	0.612974
cg118214			ENSG000001962				
39	chr7	29833650	95;GGCT	0.53001	3.386564	0.000878	0.612974
cg002818							
37	chr2	2.32E+08		0.363223	3.404294	0.000827	0.604028
cg058954							
53	chr13	41768968		0.362058	3.422927	0.000775	0.604028
cg258609							
12	chr15	41169340		-0.31923	-3.40847	0.000815	0.604028
cg267002							
77	chr16	88495352		0.502575	3.393675	0.000857	0.611725
cg078467							
55	chr3	1.94E+08		-0.34013	-3.39787	0.000845	0.61067
cg161724							
08	chr7	88388622		0.502052	3.394699	0.000854	0.61067
cg094701							
42	chr2	1.91E+08		0.662563	3.396046	0.00085	0.61067
cg027950							
76	chr12	50505329		0.406474	3.410253	0.00081	0.604028
cg232374							
18	chr14	23790594		-0.40113	-3.40476	0.000825	0.604028
cg135952							
12	chr13	28369574		0.382804	3.402927	0.000831	0.604028
cg018782			IGFBP3;PPIA;SN				
14	chr7	45145334	HG15	0.334152	3.389856	0.000869	0.612974
cg197478							
76	chr17	41467024	RPL27	-0.29721	-3.38404	0.000886	0.612974
cg095259							
94	chr12	48512905		-0.3086	-3.38881	0.000872	0.612974
cg005324							
55	chr2	1.49E+08		0.430691	3.416598	0.000793	0.604028

cg236590							
62	chr1	1.67E+08		0.33906	3.39563	0.000852	0.61067
cg102869							
83	chr6	24494717		0.437445	3.395575	0.000852	0.61067
cg205195							
25	chr17	73077622	GPRC5C;TSEN54	-0.36567	-3.38059	0.000896	0.612974
cg243946							
43	chr3	1.23E+08		0.389395	3.39651	0.000849	0.61067
cg133077							
18	chr11	85995223		-0.47362	-3.38334	0.000888	0.612974
cg074437							
17	chr3	1.29E+08		-0.47719	-3.387	0.000877	0.612974
cg219083							
44	chr17	17185060		0.472108	3.402792	0.000831	0.604028
cg265214							
04	chr7	27204981		0.804942	3.391606	0.000863	0.612974

			PEG3;ZNF154;ZNF135;ZNF667-AS1;ZIK1;ZNF418;ZNF667;ZNF471;ZSCAN1;ZNF772;ZNF211;ZNF671;ZNF419;ZNF71;				
cg131223							
77	chr19	57683687	ZFP28;ZNF542	0.786926	3.38021	0.000898	0.612974
cg188421							
57	chr14	68825875		0.589536	3.378729	0.000902	0.614152
cg261479							
47	chr12	1.31E+08		0.48367	3.382708	0.00089	0.612974
cg024331							
39	chr10	346807		-0.39112	-3.38632	0.000879	0.612974
cg080460							
44	chr14	54419614	CDKN3	0.560055	3.385928	0.00088	0.612974
cg140160							
57	chr4	54975250		0.450508	3.380161	0.000898	0.612974
cg015400							
23	chr13	98950565		-0.30314	-3.39089	0.000865	0.612974
cg239890							
04	chr19	12624770		0.421609	3.385014	0.000883	0.612974
cg256683							
68	chr2	1.64E+08		-0.47796	-3.38165	0.000893	0.612974
cg125730							
33	chr13	95022023		-0.49528	-3.40479	0.000825	0.604028

cg122566						
88	chr12	1.31E+08	0.437709	3.371797	0.000924	0.617166
cg111556						
21	chr17	43238118	0.349887	3.378129	0.000904	0.614222
cg107559						
61	chr19	9785647	0.467319	3.403658	0.000828	0.604028
cg155053						
49	chr1	2.47E+08	0.198858	3.381171	0.000895	0.612974
cg119077						
97	chr5	1.41E+08	0.521968	3.381922	0.000892	0.612974
cg247927						
17	chr5	1.4E+08	0.940401	3.3715	0.000925	0.617166
cg000556						
03	chr1	48508839	-0.53683	-3.36807	0.000935	0.617166
cg244147						
88	chr10	8093298	0.380124	3.377695	0.000905	0.614222
cg139963						
95	chr18	77138860	0.435099	3.371592	0.000924	0.617166
cg109119						
13	chr17	33700817	-0.5198	-3.41356	0.000801	0.604028
cg206972						
51	chr19	5331734	-0.41332	-3.36949	0.000931	0.617166
cg134868						
33	chr15	71507300	0.508837	3.390399	0.000867	0.612974
cg133388						
77	chr6	29974531	-0.34374	-3.37866	0.000902	0.614152
cg266749						
43	chr15	76627788	0.386907	3.376338	0.00091	0.614845
cg245721						
53	chr13	21047387	0.366285	3.368443	0.000934	0.617166
cg112404						
95	chr12	1.1E+08	0.446641	3.385431	0.000882	0.612974
cg234780						
98	chr5	87972122	0.408002	3.367862	0.000936	0.617166
cg047008						
28	chr11	65773979 PELI3	0.413291	3.361174	0.000958	0.618054
cg109474						
08	chr10	77155404	0.741616	3.367346	0.000938	0.617166
cg014627						
44	chr6	30457252	-0.38623	-3.36783	0.000936	0.617166
cg141948						
75	chr10	1.31E+08	0.278482	3.38447	0.000885	0.612974
cg134823						
08	chr9	37002685	0.436235	3.370282	0.000928	0.617166
cg029495						
72	chr4	26065071	0.264441	3.365972	0.000942	0.617166
cg139555						
72	chr9	15422376	-0.36163	-3.38832	0.000873	0.612974
cg028739						
91	chr12	25151263	0.421898	3.376435	0.000909	0.614845

cg061323							
24	chr6	43544046	-0.48253	-3.35897	0.000965	0.618271	
cg042478							
29	chr1	38218080	0.31597	3.387394	0.000876	0.612974	
cg187131							
68	chr3	45883381	0.234401	3.381151	0.000895	0.612974	
cg079520							
11	chr1	36395998	-0.25859	-3.36652	0.00094	0.617166	
cg064155							
82	chr4	87515299	-0.27055	-3.38356	0.000887	0.612974	
cg035593							
89	chr10	679322 DIP2C	0.803045	3.364475	0.000947	0.617166	
cg099000							
85	chr19	6361967 ZNF557	0.375925	3.363777	0.000949	0.617166	
cg008943							
52	chr5	269864	-0.35691	-3.36541	0.000944	0.617166	
cg073469							
31	chr12	49743523	-0.39182	-3.36923	0.000932	0.617166	
cg104928							
01	chr17	59476859	-0.26789	-3.36306	0.000952	0.617166	
cg257703							
40	chr6	1.47E+08	0.43034	3.375538	0.000912	0.614845	
cg232450							
09	chr10	725706	-0.41706	-3.36058	0.00096	0.618054	
cg058542							
17	chr2	1595819	0.350734	3.353859	0.000982	0.618753	
cg000213							
25	chr14	91294412	0.476244	3.369719	0.00093	0.617166	
cg056275							
22	chr15	75251581	0.443225	3.359525	0.000963	0.618054	
cg145515							
03	chr6	1.69E+08	-0.31477	-3.36734	0.000938	0.617166	
cg073868							
98	chr15	83315627	0.431704	3.355577	0.000976	0.618753	
cg128641							
85	chr1	2.4E+08	0.550308	3.357762	0.000969	0.618703	
cg046529							
43	chr2	3750565	0.491043	3.375061	0.000913	0.614876	
cg185272							
76	chr10	1.34E+08	0.786612	3.386329	0.000879	0.612974	
cg034907							
59	chr14	1E+08	0.527764	3.36334	0.000951	0.617166	
cg019597							
16	chr6	1.67E+08 RPS6KA2-IT1	0.378183	3.375697	0.000912	0.614845	
cg185199							
88	chr7	30491309	-0.46973	-3.34524	0.001011	0.621737	
cg013737							
21	chr10	51623735	-0.22214	-3.36529	0.000944	0.617166	
cg095232							
75	chr6	28227093 PGBD1	0.488762	3.367074	0.000939	0.617166	



cg037600							
35	chr21	32624306		-0.47089	-3.35641	0.000973	0.618753
cg019978							
84	chr2	2.25E+08	SERPINE2	-0.70987	-3.36341	0.00095	0.617166
cg081652							
21	chr2	5833017		0.601796	3.358515	0.000966	0.618306
cg008098							
63	chr1	15251881		-0.43926	-3.36508	0.000945	0.617166
cg124844							
11	chr8	1.1E+08		-0.42127	-3.3536	0.000983	0.618753
cg150845							
43	chr1	79472408	IFI44	0.717542	3.359519	0.000963	0.618054
cg111941							
08	chr1	2.15E+08		-0.40444	-3.36183	0.000955	0.618054

cg039928			RLTPR;NFATC3;E				
30	chr16	67681065	SRP2;SLC12A4	-0.50262	-3.35512	0.000978	0.618753
cg257998							
79	chr8	27099930		0.380827	3.352616	0.000986	0.618753
cg182328							
28	chr1	10846092		-0.50035	-3.35744	0.00097	0.618703
cg159348							
04	chr7	2672400		0.32236	3.343676	0.001016	0.621737
cg211064							
07	chr14	57262177	TMEM260	0.609182	3.359832	0.000962	0.618054
cg056129							
04	chr1	1.01E+08		-0.33333	-3.35415	0.000981	0.618753
cg226152							
55	chr10	1.01E+08		-0.34459	-3.35469	0.000979	0.618753
cg050535							
62	chr2	73429308	ALMS1	0.408739	3.34911	0.000998	0.621737
cg056643							
17	chr4	3650474		0.411846	3.352782	0.000985	0.618753
cg143682							
47	chr9	1.37E+08		-0.3374	-3.34568	0.001009	0.621737

cg037451			BST2;IL12RB1;JA K3;FCHO1;ENSG				
60	chr19	17393902	00000267275	-0.47864	-3.34424	0.001014	0.621737
cg268165							
64	chr1	7831052		0.438156	3.346827	0.001005	0.621737
cg017540							
37	chr8	99077049		-0.26279	-3.35288	0.000985	0.618753
cg107566							
47	chr7	56101905		0.317201	3.344526	0.001013	0.621737
cg210960							
50	chr4	85502665		0.339117	3.350089	0.000994	0.621737

cg116952							
66	chr7	1.57E+08		0.423697	3.354889	0.000978	0.618753
cg212491							
52	chr13	23501457		0.474864	3.346413	0.001007	0.621737
cg211423							
98	chr1	54200078		-0.3456	-3.34979	0.000995	0.621737
cg169560							
31	chr18	3451545		-0.19979	-3.36026	0.000961	0.618054
cg153351							
04	chr12	1.33E+08		-0.36668	-3.33632	0.001042	0.623779
cg255789							
67	chr7	25018440		-0.39685	-3.34444	0.001013	0.621737
cg180648							
42	chr5	14874549		-0.46626	-3.34442	0.001014	0.621737
cg166132							
40	chr6	10099623		0.566048	3.342302	0.001021	0.621737
cg056134							
47	chr10	95327305		0.623498	3.338863	0.001033	0.621737
cg025064							
21	chr3	49145923		0.446006	3.33244	0.001055	0.624627
cg095220							
56	chr16	31830979		0.548742	3.329284	0.001067	0.62563
cg187635			MANSC1;CREBL2				
36	chr12	11812062	;ETV6	0.299956	3.351387	0.00099	0.620422
cg133006							
30	chr3	78756422		-0.41999	-3.34055	0.001027	0.621737
cg145821			SLC28A2;SPATA5				
00	chr15	45693742	L1;GATM	0.650515	3.340276	0.001028	0.621737
cg051703							
26	chr12	7125723		0.277261	3.345103	0.001011	0.621737
cg074000							
57	chr11	7111072		1.171877	3.331883	0.001057	0.624627
cg219381							
79	chr3	1.04E+08		-0.47307	-3.33137	0.001059	0.624627
cg093006							
04	chr13	1.14E+08		0.552812	3.342578	0.00102	0.621737
cg167850							
77	chr21	42791867		0.32667	3.341141	0.001025	0.621737
cg083649							
56	chr5	1.78E+08		-0.38123	-3.34442	0.001014	0.621737
cg119887							
33	chr2	1.77E+08		-0.37412	-3.33828	0.001035	0.622086
cg077553							
43	chr16	1712697		-0.38701	-3.33048	0.001062	0.624627
cg190916							
21	chr5	1.76E+08		0.480526	3.32278	0.00109	0.62563
cg123493							
00	chr10	23460646		0.340757	3.335357	0.001045	0.624627

cg212384							
14	chr2	97426921		0.229255	3.339467	0.001031	0.621737
cg148676							
04	chr14	1E+08		-0.22275	-3.33471	0.001047	0.624627
cg262306			ENSG000002696				
74	chr19	17982925	40	0.33243	3.34675	0.001006	0.621737
cg218378							
26	chr1	1.8E+08		-0.46117	-3.32642	0.001077	0.62563
cg108800							
06	chr4	81122687	PRDM8	0.546072	3.333878	0.00105	0.624627
cg069766							
34	chr11	886709	ANO9	-0.42845	-3.32729	0.001074	0.62563
cg035297							
44	chr12	9600884	CLEC2B	-0.24273	-3.33949	0.001031	0.621737
cg239396							
10	chr19	40362773		-0.55461	-3.32625	0.001078	0.62563
cg210083							
63	chr7	75053134		0.28076	3.330799	0.001061	0.624627
cg254804							
18	chr2	88583785		0.493287	3.331679	0.001058	0.624627
cg048663							
80	chr7	31725973		-0.36152	-3.32097	0.001097	0.62563
cg172726							
42	chr11	1.25E+08		0.303541	3.318408	0.001106	0.62563
cg167617							
52	chr17	38474378		0.247186	3.333362	0.001052	0.624627
cg264221							
77	chr8	1.07E+08		-0.36863	-3.34299	0.001018	0.621737
cg101647							
38	chr15	87667552		-0.49637	-3.32497	0.001082	0.62563
cg004920							
55	chr3	1.38E+08	MRAS	0.528704	3.336228	0.001042	0.623779
cg156446							
04	chr19	15443264		-0.24006	-3.33742	0.001038	0.623012
cg127095							
56	chr7	1E+08		-0.23459	-3.3268	0.001076	0.62563
cg111874							
27	chr7	73082056		-0.23124	-3.33235	0.001056	0.624627
cg261327							
74	chr13	79170146		0.496029	3.318855	0.001105	0.62563
cg000495							
02	chr12	1.12E+08		-0.31594	-3.34035	0.001028	0.621737
cg216748							
35	chr2	2.39E+08		-0.31451	-3.32005	0.0011	0.62563
cg043721			ENSG000002719				
20	chr8	1.43E+08	59	0.437863	3.31201	0.00113	0.626609
cg096622							
01	chr15	39371335		0.399942	3.32477	0.001083	0.62563
cg194615							
19	chr14	1E+08		0.454923	3.320106	0.0011	0.62563

cg155545							
05	chr19	22123728		-0.3694	-3.33058	0.001062	0.624627
cg183474							
23	chr19	4723614		0.223641	3.326232	0.001078	0.62563
cg022635							
39	chr3	1.87E+08	EIF4A2	-0.2959	-3.33897	0.001032	0.621737
cg103696			MAP4K1;PLEKHG				
88	chr19	39898283	2	-0.29341	-3.3128	0.001127	0.626609
cg002910							
54	chr16	81073839		0.395506	3.328061	0.001071	0.62563
cg257352			ENSG000001716				
94	chr3	1.86E+08	58	-0.66428	-3.32239	0.001092	0.62563
cg081098							
15	chr6	1.42E+08		0.530981	3.316617	0.001113	0.62563
cg146619							
59	chr1	1.52E+08		0.534735	3.31962	0.001102	0.62563
cg208934							
64	chr4	1.55E+08		0.213092	3.323984	0.001086	0.62563
cg204562							
58	chr4	962124	DGKQ;LETM1	0.835747	3.310523	0.001136	0.626609
cg005536							
19	chr17	292816		0.379064	3.316026	0.001115	0.62563
cg142223							
07	chr15	61097246		-0.45339	-3.31914	0.001104	0.62563
cg258050							
26	chr7	92617198		-0.4072	-3.3167	0.001113	0.62563
cg139207							
84	chr6	52900225		-0.44868	-3.3237	0.001087	0.62563
cg096823							
30	chr6	28411287		0.297518	3.3221	0.001093	0.62563
cg122715							
87	chr9	1.35E+08		0.36329	3.321061	0.001097	0.62563

			TMEM45B;ARHG				
			AP32;BARX2;SNX				
cg221862			19;ENSG000002				
91	chr11	1.3E+08	72412	0.641109	3.331308	0.001059	0.624627
cg215251							
76	chr5	77906752	TBCA	-0.36127	-3.31147	0.001133	0.626609
cg053710							
05	chr6	7389895		0.265845	3.314021	0.001123	0.626609
cg233099							
69	chr18	56529866		0.395612	3.317538	0.00111	0.62563
cg023671							
44	chr2	2.37E+08		0.576116	3.303286	0.001164	0.632984
cg220530							
42	chr19	50119262		0.344976	3.325171	0.001082	0.62563

cg227518							
48	chr7	1.59E+08	-0.34357	-3.31102	0.001134	0.626609	
cg051643							
96	chr7	2154026	0.361213	3.314286	0.001122	0.626609	
cg093872							
29	chr14	47120507	-0.40097	-3.31061	0.001136	0.626609	
cg127554							
77	chr20	36156813 SNORA71D	-0.21807	-3.33991	0.001029	0.621737	
cg253979							
45	chr19	37096148 ZFP82;ZNF382	0.813395	3.31688	0.001112	0.62563	
cg246772							
68	chr2	61764011	0.48177	3.303207	0.001164	0.632984	
cg073887							
00	chr1	10020901	-0.40087	-3.30305	0.001165	0.632984	
cg235400							
20	chr7	1.59E+08	0.463181	3.312531	0.001129	0.626609	
cg267767							
42	chr6	1.17E+08	0.175792	3.307158	0.001149	0.629658	
cg251232							
25	chr4	39063859	-0.42882	-3.32508	0.001082	0.62563	
cg044145							
18	chr8	1.01E+08	-0.52562	-3.31463	0.001121	0.626609	
cg254503							
35	chr5	1.35E+08	-0.31925	-3.30336	0.001164	0.632984	
cg181538							
16	chr10	1.03E+08	0.243577	3.317746	0.001109	0.62563	
cg058456							
15	chr10	35606672	0.25994	3.323263	0.001089	0.62563	
cg263671							
97	chr18	76307273	-0.4855	-3.3124	0.001129	0.626609	
cg203828							
67	chr2	12310085	-0.52513	-3.31613	0.001115	0.62563	
cg169189							
89	chr17	8869213 PIK3R5	0.311281	3.339158	0.001032	0.621737	
cg137444							
81	chr3	8308781	-0.63115	-3.30878	0.001143	0.627857	
cg078208							
68	chr1	1.2E+08	0.374515	3.304951	0.001158	0.632984	
cg073029							
10	chr10	1.19E+08	0.386592	3.321077	0.001097	0.62563	
cg269627							
78	chr5	1.41E+08	0.385757	3.298787	0.001182	0.637751	
cg155704							
32	chr20	30460881	-0.36873	-3.31173	0.001132	0.626609	
cg059068							
71	chr10	97416826	0.325427	3.309265	0.001141	0.627857	
cg141564							
05	chr1	2.42E+08	0.40447	3.308809	0.001143	0.627857	
cg128619							
45	chr4	1.66E+08	0.415611	3.308038	0.001146	0.628609	

cg048597							
57	chr17	47021964		-0.35774	-3.31804	0.001108	0.62563
cg260673							
61	chr8	38010768		-0.27271	-3.29582	0.001194	0.637751
cg067040							
93	chr10	1.1E+08		0.832391	3.294972	0.001197	0.637751
cg157839							
35	chr6	34495054		0.229421	3.300243	0.001176	0.637065
cg195909							
14	chr19	8028642	CD209	0.446421	3.30292	0.001165	0.632984
cg014474							
98	chr1	2.32E+08		-0.32114	-3.29889	0.001181	0.637751
cg109277							
19	chr10	44880819		0.404983	3.290297	0.001216	0.638382
cg001389							
26	chr2	11118414	CYS1;KLF11	0.450388	3.300291	0.001176	0.637065

			HLA-				
cg140511			DPB1;RPS18;HLA-				
47	chr6	33539394	DMB;SYNGAP1	0.30968	3.292993	0.001205	0.637751
cg071676							
32	chr11	67269440		-0.34492	-3.29484	0.001197	0.637751
cg045391							
55	chr12	1.22E+08		-0.29295	-3.28534	0.001236	0.641157
cg117742							
27	chr14	23564985		-0.46449	-3.30324	0.001164	0.632984
cg018454							
27	chr6	1.47E+08		-0.38463	-3.31093	0.001135	0.626609
cg158180							
05	chr2	1.39E+08		0.535861	3.294257	0.0012	0.637751
cg268822							
24	chr15	89386800		-0.77065	-3.28046	0.001256	0.644326
cg206457							
29	chr17	66194433		0.336447	3.295541	0.001195	0.637751
cg051850							
40	chr8	41425077		0.352123	3.295985	0.001193	0.637751
cg052493							
93	chr19	11199883		0.577689	3.290526	0.001215	0.638382
cg159118							
59	chr22	45810043		0.559678	3.2863	0.001232	0.640663
cg264279			ENSG000002717				
08	chr5	1225074	81	-0.34745	-3.29826	0.001184	0.637751
cg051125							
55	chr17	71739385		0.414078	3.293845	0.001201	0.637751
cg078715							
90	chr7	1.28E+08		-0.33172	-3.29216	0.001208	0.637751
cg273016							
49	chr3	1.3E+08		-0.71681	-3.29037	0.001215	0.638382

cg034747							
95	chr5	1.76E+08		-0.35691	-3.29207	0.001209	0.637751
cg109934							
70	chr8	55533939		0.75757	3.29209	0.001208	0.637751
			ABCA3;PRSS22;C				
cg275186			CNF;PKMYT1;KC				
31	chr16	2846005	TD5;IL32	-0.4705	-3.29409	0.0012	0.637751
cg190362							
19	chr19	40502760	ZNF546	-0.25596	-3.29562	0.001194	0.637751
cg255059							
74	chr21	33984651		-0.31005	-3.27628	0.001274	0.646693
cg013864							
24	chr6	1E+08		0.39013	3.2781	0.001266	0.644326
cg183775							
12	chr20	55101089		0.346633	3.283031	0.001246	0.643771
			CCDC13;CCDC13-				
			AS1;HHATL-				
			AS1;POMGNT2;				
cg038792			HHATL;ZBTB47;S				
91	chr3	43132552	EC22C	0.584153	3.291396	0.001211	0.638382
cg092532							
87	chr17	46985714		0.227773	3.281544	0.001252	0.644326
cg271666							
61	chr10	1.15E+08		-0.19997	-3.29271	0.001206	0.637751
			ENSG000002600				
cg097695			57;TOX3;RBL2				
42	chr16	52582262		0.613954	3.316146	0.001115	0.62563
cg142122							
66	chr15	68346341		0.205693	3.286917	0.00123	0.640483
cg146024							
71	chr19	44405998	ZNF404;ZNF229	0.488605	3.288408	0.001223	0.639758
cg059245							
37	chr3	1.7E+08	GPR160;ACTRT3	0.473375	3.288867	0.001222	0.639758
cg237441							
82	chr6	28494196		0.397231	3.288888	0.001221	0.639758
cg164038							
60	chr21	34394412		0.360948	3.277125	0.00127	0.645636
cg038941							
19	chr7	57247873		-0.47438	-3.28675	0.00123	0.640483
cg033888							
48	chr6	1.64E+08		0.464835	3.278092	0.001266	0.644326
cg252149							
24	chr6	1.64E+08		-0.38568	-3.28406	0.001241	0.642353

cg272078						
81	chr4	1864134	-0.78769	-3.28216	0.001249	0.644326
cg037707						
03	chr1	1.83E+08	0.385705	3.27447	0.001282	0.647641
cg159968						
16	chr5	1.11E+08	-0.36506	-3.28545	0.001236	0.641157
cg059466						
92	chr1	1.14E+08 SLC16A1	-0.29913	-3.2986	0.001182	0.637751
cg248778						
85	chr1	44063475	0.488138	3.27836	0.001265	0.644326
cg037113						
48	chr7	22862508	-0.24464	-3.2737	0.001285	0.647641
cg004090						
49	chr2	1.19E+08	0.582405	3.28064	0.001256	0.644326
cg187307						
46	chr3	51705912	-0.19987	-3.27022	0.0013	0.650577
cg079876						
97	chr2	1.32E+08	-0.29812	-3.28818	0.001224	0.639758
cg120309						
41	chr4	1558628	-0.35008	-3.28115	0.001253	0.644326
cg273965						
83	chr16	30960343	-0.24966	-3.27056	0.001298	0.650577
cg053978						
12	chr11	14994847	0.340333	3.287695	0.001226	0.640022
cg109868						
64	chr15	74988803	0.422784	3.28148	0.001252	0.644326
cg093414						
91	chr16	50707795 ADCY7	0.398295	3.294716	0.001198	0.637751
cg225388						
71	chr19	1326119	-0.47633	-3.27407	0.001283	0.647641
cg032240						
13	chr14	1.06E+08	-0.41849	-3.27181	0.001293	0.649121
cg205929						
40	chr17	933155	1.020572	3.265071	0.001322	0.654582
cg227884						
65	chr5	1.31E+08	-0.3721	-3.27985	0.001259	0.644326
cg101002						
56	chr8	1.44E+08	-0.33315	-3.26678	0.001315	0.654582
cg249095						
48	chr19	36736272	0.436896	3.26501	0.001323	0.654582
cg177763						
24	chr12	9903429	0.478753	3.264824	0.001323	0.654582
cg127774						
74	chr10	4069749	-0.43349	-3.29471	0.001198	0.637751
cg220219						
75	chr6	30953064	-0.39221	-3.26511	0.001322	0.654582
cg202256						
81	chr15	65503447	-0.27529	-3.26941	0.001303	0.651575
cg123925						
19	chr17	47308867 FAM117A	0.323485	3.274391	0.001282	0.647641



cg191721							
70	chr11	20627781		0.480942	3.260855	0.001341	0.655782
cg059231							
97	chr14	54418804		0.435969	3.273979	0.001284	0.647641
cg141814							
59	chr5	1.35E+08		0.402864	3.266265	0.001317	0.654582
cg094702							
74	chr6	28584057		0.478428	3.272499	0.00129	0.649121
cg220978							
91	chr4	4405946		0.650432	3.258896	0.00135	0.657241
cg168542							
00	chr12	5603261		0.39929	3.278253	0.001266	0.644326
cg165815		CD248;RBM4;AI					
32	chr11	66445312 P		-0.23488	-3.26356	0.001329	0.655173
cg076566							
41	chr22	50018876		-0.3352	-3.26119	0.001339	0.655782
cg227508							
45	chr17	80966690		0.387901	3.274776	0.00128	0.647641
cg183015							
83	chr19	53635967 ZNF415		0.648843	3.261462	0.001338	0.655782
cg037481							
58	chr16	85670174		-0.30102	-3.26543	0.001321	0.654582
cg262657							
87	chr19	10491889		0.412904	3.262948	0.001332	0.655651
cg036163							
77	chr14	60386272		0.356678	3.294899	0.001197	0.637751
cg013889							
79	chr11	19388224		-0.40064	-3.2623	0.001335	0.655651
cg038892							
36	chr16	85845626		0.370769	3.26245	0.001334	0.655651
cg138992							
79	chr3	52030037 RNU6ATAC16P		-0.39197	-3.25301	0.001376	0.662446
cg126502							
52	chr11	77791508		-0.46897	-3.26615	0.001318	0.654582
ch.3.1226							
245F	chr3	55731563		-0.50526	-3.28478	0.001238	0.641569
cg220662							
30	chr11	66034960		0.1887	3.272053	0.001292	0.649121
cg081888							
93	chr2	37600397		0.417419	3.264177	0.001326	0.654582
cg088908		ENSG000002613					
24	chr16	66958786 86		0.328291	3.257446	0.001356	0.657638
cg197572							
61	chr10	44222463		-0.44561	-3.25672	0.001359	0.657759
cg188990							
35	chr14	20811563		0.459537	3.267297	0.001313	0.654582
cg167054							
81	chr1	36615026		-0.35686	-3.25186	0.001381	0.664217
cg039825							
37	chr11	64404325 BATF2		-0.3887	-3.24846	0.001397	0.665326

cg139969							
62	chr9	1.32E+08		-0.28804	-3.24881	0.001396	0.665326
cg246313							
60	chr3	1.12E+08	ZBED2;BTLA	0.291129	3.260135	0.001344	0.656599
cg024025							
87	chr10	27702774		0.386218	3.279471	0.00126	0.644326
cg056537							
14	chr3	1.84E+08		-0.38294	-3.24994	0.00139	0.665326
cg002328							
27	chr5	1.72E+08	SH3PXD2B	0.450937	3.254221	0.001371	0.66054
cg059962							
13	chr1	1.76E+08		0.556999	3.241332	0.00143	0.665872
cg223946							
63	chr2	2.38E+08		-0.38904	-3.2596	0.001347	0.65701
cg245172							
95	chr3	14641410		-0.53009	-3.2716	0.001294	0.649121
cg134344			TTC34;MORN1;P				
89	chr1	3189088	RDM16	-0.60011	-3.24614	0.001408	0.665872
cg148400							
81	chr7	1.53E+08		0.381006	3.245131	0.001413	0.665872
cg191363							
71	chr6	40357140		-0.53736	-3.25726	0.001357	0.657638
cg135683							
48	chr2	54952346		0.349297	3.243421	0.001421	0.665872
cg221093							
70	chr17	77070546		-0.39788	-3.25039	0.001388	0.665326
cg253451							
02	chr20	31619420	C20orf203	-0.28581	-3.25831	0.001352	0.657241
cg099260							
46	chr11	1.17E+08		-0.30654	-3.24347	0.00142	0.665872
cg209576							
48	chr5	1.09E+08		-0.19076	-3.24877	0.001396	0.665326
cg150718							
54	chr1	45792688	TOE1	-0.25314	-3.26105	0.00134	0.655782
cg259037							
79	chr15	68128025		-0.35992	-3.2586	0.001351	0.657241
cg195685							
44	chr5	1.41E+08		0.54801	3.248317	0.001398	0.665326
cg136004							
94	chr10	1.35E+08		0.543442	3.240295	0.001435	0.665872
cg240187							
99	chr5	1.73E+08		-0.41116	-3.24426	0.001417	0.665872
cg194982							
28	chr19	36342725	ZFP14	0.301847	3.241885	0.001428	0.665872
cg082443			NWD1;SSBP4;OC				
01	chr19	17610751	EL1;C19orf44	0.506999	3.249111	0.001394	0.665326

cg107346			ATP10A;ENSG00				
65	chr15	26107410	000257647	0.503993	3.241429	0.00143	0.665872
cg027035							
63	chr10	91852861		-0.34808	-3.26424	0.001326	0.654582
cg142452			ENSG000002249				
28	chr9	1.36E+08	92;SURF4	0.438287	3.249297	0.001393	0.665326
cg056730							
79	chr10	1.1E+08		-0.638	-3.23736	0.001449	0.666128
cg091366							
95	chr1	1.12E+08		-0.52276	-3.2401	0.001436	0.665872
cg227111							
11	chr6	30139979		0.408078	3.241498	0.00143	0.665872
cg124955							
91	chr2	2.41E+08		0.357037	3.258122	0.001353	0.657241
cg097135							
15	chr7	1.11E+08		0.303732	3.238638	0.001443	0.665872
cg160742							
28	chr6	74072261		0.657238	3.239883	0.001437	0.665872
cg142581							
54	chr1	52718499		0.593734	3.237063	0.001451	0.666128
cg150116							
22	chr7	36193062		0.295053	3.23962	0.001439	0.665872
cg274167							
21	chr15	25441636		-0.28327	-3.25498	0.001367	0.660359
cg037608							
39	chr1	1.2E+08		0.29161	3.244343	0.001416	0.665872

			MAPK15;FAM83				
			H-AS1;RHPN1-				
			AS1;BAI1;RHPN1				
			;LY6H;ENSG0000				
cg190211			0254973;TOP1M				
88	chr8	1.44E+08	T;PYCRL;ZNF623	0.486988	3.244859	0.001414	0.665872
cg234557							
85	chr1	2E+08		-0.47019	-3.24079	0.001433	0.665872
cg077590							
42	chr18	77193502		-0.56583	-3.24007	0.001436	0.665872
cg165749							
34	chr16	81931759		-0.39092	-3.24901	0.001395	0.665326
cg137185							
59	chr12	6383042	C1S	-0.30469	-3.23845	0.001444	0.665872
cg239727			ENSG000002701				
85	chr8	11611189	54	-0.61529	-3.22942	0.001488	0.667687

cg020362							
59	chr16	88027502		0.394715	3.237029	0.001451	0.666128
cg111134							
69	chr7	96628963		0.623157	3.234691	0.001462	0.667184
cg082301							
77	chr5	72596822		0.434503	3.244466	0.001416	0.665872
cg068438							
71	chr2	2.43E+08		0.422049	3.228218	0.001494	0.667687
cg027938							
54	chr16	67867809		-0.25625	-3.24718	0.001403	0.665872
cg177377							
76	chr17	79122455		-0.4538	-3.25426	0.001371	0.66054

			TTC18;DNAJC9- AS1;RNU6- 833P;P4HA1				
cg200901							
94	chr10	75401258		-0.29747	-3.24183	0.001428	0.665872
cg116610							
00	chr11	1413315		0.327745	3.243819	0.001419	0.665872
cg271728							
77	chr11	1.25E+08		-0.3354	-3.24071	0.001433	0.665872
cg009943							
94	chr1	86934607		-0.3848	-3.24282	0.001423	0.665872
cg075820							
47	chr11	65658459		0.24683	3.243594	0.00142	0.665872
cg239811							
16	chr5	1.67E+08		0.412891	3.231279	0.001479	0.667687
cg257324							
62	chr19	44324898	ZNF404	0.516755	3.234392	0.001464	0.667184
cg221862							
16	chr15	74637558	CYP11A1	-0.32387	-3.22794	0.001495	0.667687

			ENSG000001765 93;ZNF606;ZSCA N18				
cg204496							
85	chr19	58545728		0.678988	3.238709	0.001443	0.665872
cg171047							
66	chr2	66617333		-0.6668	-3.23453	0.001463	0.667184
cg004065							
42	chr4	9500293		-0.53056	-3.22815	0.001494	0.667687
cg269181							
05	chr5	41928727		0.358478	3.234025	0.001465	0.667184
cg045728							
60	chr14	1.02E+08		-0.27404	-3.23556	0.001458	0.667184
cg050160							
51	chr16	30996447	DCTPP1;CD2BP2	-0.19186	-3.22024	0.001533	0.669166
cg258999							
61	chr7	1.52E+08		-0.33676	-3.25652	0.00136	0.657759
cg144576							
10	chr3	69171735		0.433214	3.225875	0.001505	0.667687

cg246531							
25	chr5	61708168		0.459439	3.240029	0.001437	0.665872
			SLC9A3;ENSG00				
cg232511			000188242;CEP7				
41	chr5	496464	2	0.471042	3.2387	0.001443	0.665872
cg005953							
56	chr21	32931379		0.211959	3.236201	0.001455	0.667184
cg042552							
78	chr5	92918068		0.500293	3.224502	0.001512	0.667687
cg236103							
73	chr1	1.49E+08	HIST2H4B	0.496779	3.223947	0.001515	0.667687
cg272896							
62	chr15	28272656		-0.49837	-3.22392	0.001515	0.667687
cg147509							
48	chr3	1.47E+08		0.44771	3.235343	0.001459	0.667184
cg108035			HOXD-				
77	chr2	1.77E+08	AS1;HOXD3	0.320107	3.237764	0.001447	0.666128
cg116095							
60	chr19	14231215		-0.32875	-3.2201	0.001534	0.669166
cg158774							
25	chr7	1.3E+08		-0.48023	-3.22546	0.001507	0.667687
cg092607							
73	chr1	1.2E+08		0.329455	3.218361	0.001543	0.669166
cg261596							
01	chr7	1248693		0.338988	3.231275	0.001479	0.667687
cg052047							
98	chr11	30607888		0.700152	3.22355	0.001517	0.667687
cg209218							
94	chr17	40203750		-0.2866	-3.21878	0.001541	0.669166
cg133166							
25	chr12	1.18E+08		0.467699	3.224784	0.001511	0.667687
cg275329							
38	chr4	1512248		-0.94999	-3.21317	0.001569	0.669409
			IQCA1;RAB17;C				
cg150669			OL6A3;COPS8;M				
67	chr2	2.37E+08	LPH;ACKR3	0.592878	3.233954	0.001466	0.667184
cg112806							
61	chr3	61549475		-0.32533	-3.22558	0.001507	0.667687
cg145886							
82	chr12	68647289		-0.46181	-3.22707	0.001499	0.667687
cg027491							
05	chr19	58879056	ZNF135;ZNF550	0.632227	3.229377	0.001488	0.667687
cg232472							
74	chr13	21750649	SKA3	-0.77901	-3.27938	0.001261	0.644326
cg042494							
60	chr6	41040849		-0.23188	-3.22443	0.001512	0.667687

cg209821							
12	chr3	1.11E+08	ZBED2	0.328992	3.230766	0.001481	0.667687
cg153471							
56	chr10	88702795		0.766447	3.216798	0.001551	0.669166
cg016855							
49	chr6	33092097	HLA-DPA1	-0.38876	-3.22706	0.001499	0.667687
cg045696							
41	chr7	70765131		0.357477	3.226157	0.001504	0.667687
			CD163L1;CLSTN3				
			;CD27;C1S;C1R;C				
			1RL-				
cg064958			AS1;RBP5;IFFO1;				
03	chr12	6553489	C1RL;TAPBPL	0.40324	3.218124	0.001544	0.669166
cg150558							
17	chr3	1.86E+08	LIPH	0.535606	3.213755	0.001566	0.669166
cg188396							
37	chr5	1.41E+08	DIAPH1;WDR55	0.468455	3.225112	0.001509	0.667687
cg183079							
12	chr17	42856773		0.284871	3.215092	0.00156	0.669166
cg254183			ENSG000002552				
63	chr11	1.21E+08	48	-0.55231	-3.22972	0.001486	0.667687
cg233639							
81	chr12	8185344		0.304916	3.218157	0.001544	0.669166
cg188454							
17	chr2	95745976		-0.35554	-3.2151	0.00156	0.669166
cg133860							
70	chr1	1.75E+08		-0.42869	-3.22038	0.001533	0.669166
cg104965							
60	chr6	30640525		-0.22534	-3.2207	0.001531	0.669166
cg093816							
66	chr16	88757816		-1.07325	-3.21409	0.001565	0.669166
cg265491							
85	chr6	1.37E+08		-0.59752	-3.22701	0.0015	0.667687
cg081602			PPP1R32;MYRF;				
24	chr11	62248459	MTA2	0.494492	3.222786	0.001521	0.66799
cg047761							
22	chr22	40441809		0.334517	3.224724	0.001511	0.667687
cg144734							
85	chr6	37605107	FGD2	-0.34579	-3.22617	0.001504	0.667687
cg055018							
68	chr3	64516087		0.572496	3.216249	0.001554	0.669166
cg092371							
33	chr17	80278914		0.526161	3.21444	0.001563	0.669166
cg187849							
03	chr7	1337353		0.330511	3.226174	0.001504	0.667687

cg274320						
85	chr1	11958572	0.529632	3.223	0.00152	0.66799
cg076139						
45	chr5	1.41E+08	0.541532	3.215076	0.00156	0.669166
cg186090						
78	chr4	13538807	0.373926	3.216148	0.001554	0.669166
cg158418						
65	chr7	1.43E+08	-0.44872	-3.21678	0.001551	0.669166
cg032769						
56	chr6	30034558	0.449214	3.218422	0.001543	0.669166
cg003542						
58	chr19	57306738	0.536183	3.205557	0.001609	0.672139
cg047749						
14	chr12	50560863	-0.24202	-3.22367	0.001516	0.667687
cg007929						
66	chr6	21595983	0.300992	3.215556	0.001557	0.669166
cg270630						
12	chr19	36915447 ZFP14	-0.32364	-3.20761	0.001598	0.672108
cg065710						
90	chr8	62745100	0.318715	3.224329	0.001513	0.667687
cg276287						
07	chr15	31727289	-0.37734	-3.21659	0.001552	0.669166
cg225774						
38	chr12	57146359	0.349055	3.216874	0.00155	0.669166
cg199042						
65	chr1	3166712	-0.39649	-3.21635	0.001553	0.669166
cg154252						
80	chr4	1.58E+08	0.436502	3.226404	0.001503	0.667687
cg009061						
30	chr4	1.75E+08	-0.29034	-3.21151	0.001578	0.669409
cg223969						
79	chr8	1.44E+08 GPIHBP1	-0.40319	-3.21979	0.001536	0.669166
cg256422						
17	chr8	1.46E+08	-0.23232	-3.21102	0.001581	0.669409
cg076214						
56	chr3	1.29E+08	-0.29721	-3.21247	0.001573	0.669409
cg016955						
79	chr16	70571479	0.484167	3.199135	0.001643	0.675861
cg027445						
88	chr19	48823880 EHD2;RUVBL2	0.320075	3.212336	0.001574	0.669409
cg089189						
85	chr1	1.52E+08	-0.38602	-3.20442	0.001615	0.672139
cg010898						
38	chr16	88091471	0.337754	3.206649	0.001603	0.672139
cg273603						
00	chr18	12407130	-0.36992	-3.2266	0.001502	0.667687
cg240271		ZFP82;LINC0066				
00	chr19	36822549 5;ZNF382	0.576582	3.206431	0.001604	0.672139

cg033479							
34	chr5	1.32E+08		-0.69099	-3.21656	0.001552	0.669166
cg261329			ENSG000002379				
47	chr2	2.43E+08	40	0.533064	3.208527	0.001594	0.672108
cg241229							
22	chr20	24449392		0.33846	3.219453	0.001537	0.669166
cg025868			ENSG000002037				
30	chr1	1.74E+08	39	-0.26751	-3.21361	0.001567	0.669166
cg009970							
79	chr2	80529990		0.387944	3.204081	0.001617	0.672139
cg092509							
65	chr16	25708274		0.615998	3.202507	0.001625	0.672139
cg175608							
32	chr10	1.31E+08	MKI67	-0.42164	-3.20414	0.001617	0.672139
cg125017							
61	chr2	2.41E+08		-0.4872	-3.20891	0.001591	0.672108
cg260768							
84	chr2	1.19E+08		-0.17121	-3.21007	0.001585	0.670285
cg014434							
52	chr19	36024439		0.539115	3.210776	0.001582	0.669409
cg195588							
60	chr14	93582779	LGMN;UNC79	-0.25478	-3.20827	0.001595	0.672108
cg086254							
82	chr8	24855264		-0.35566	-3.2301	0.001484	0.667687
cg115943							
03	chr9	1.24E+08		-0.23292	-3.19773	0.001651	0.676414
cg232593							
75	chr6	26016732		0.51732	3.198609	0.001646	0.675874
cg217482							
01	chr5	1.54E+08		-0.43107	-3.20202	0.001628	0.672139
cg139346							
25	chr15	52472770	LYSMD2	0.404314	3.207441	0.001599	0.672108
cg258825							
91	chr17	405178		0.312173	3.195003	0.001666	0.678026
cg099494							
29	chr12	1.13E+08		-0.28746	-3.23023	0.001484	0.667687
cg261743							
26	chr6	26016674		0.598065	3.193726	0.001673	0.678893
cg069879							
36	chr6	74406097	MB21D1	-0.21144	-3.21083	0.001582	0.669409
cg013308							
15	chr1	2.05E+08		-0.35888	-3.20366	0.001619	0.672139
cg020552							
64	chr6	27210913		0.465302	3.207858	0.001597	0.672108
cg218451							
82	chr3	1.23E+08	CSTA	-0.44112	-3.19903	0.001644	0.675861
cg101378							
37	chr17	6926742		0.396991	3.211365	0.001579	0.669409
cg097615							
50	chr6	30879552		-0.23208	-3.20422	0.001616	0.672139



cg023185							
49	chr13	1.12E+08		-0.38976	-3.19602	0.00166	0.676427
cg143554							
82	chr21	22373039		-0.53643	-3.2147	0.001562	0.669166
cg061065							
99	chr11	70048801		0.547838	3.192852	0.001677	0.678926
cg070463							
69	chr10	1.03E+08		0.376323	3.205975	0.001607	0.672139
cg105389			HSPG2;LDLRAD2;				
29	chr1	22149812	ZBTB40	-0.66659	-3.20177	0.001629	0.672139
cg138816							
19	chr9	1.3E+08	CERCAM;CDK9;S H2D3C;DNM1;F AM129B;ENG	-0.42345	-3.20261	0.001625	0.672139
cg100232							
72	chr1	1.11E+08		0.488111	3.196899	0.001655	0.676414
cg180080			ENSG000002319				
37	chr7	1.58E+08	80	-0.38557	-3.19717	0.001654	0.676414
cg016382							
25	chr4	1202930	PDE6B	-0.61962	-3.21148	0.001578	0.669409
cg044118							
93	chr3	1.85E+08		0.334576	3.198909	0.001644	0.675861
cg203638							
38	chr12	1.32E+08		0.397146	3.193157	0.001676	0.678893
cg142198							
96	chr12	1.25E+08		-0.31762	-3.1933	0.001675	0.678893
cg072644							
01	chr16	1506482		-0.97646	-3.20375	0.001619	0.672139
cg117714							
02	chr17	27621314		0.418427	3.201439	0.001631	0.672229
cg013245							
07	chr7	1177794		-0.20848	-3.20495	0.001612	0.672139
cg207815							
16	chr1	2.01E+08		-0.325	-3.20195	0.001628	0.672139
cg063823							
44	chr2	1.62E+08		0.434406	3.194621	0.001668	0.678226
cg093806							
95	chr17	4689284		0.296664	3.202374	0.001626	0.672139
cg224959							
68	chr2	5622155		-0.51929	-3.19169	0.001684	0.680216
cg061548							
27	chr4	26649548		-0.30901	-3.19769	0.001651	0.676414
cg102046							
52	chr14	23495374	SLC22A17	0.367546	3.204492	0.001615	0.672139
cg176955							
12	chr11	55735459		0.415349	3.19691	0.001655	0.676414

cg052881							
72	chr8	1.04E+08		-0.52026	-3.19232	0.00168	0.67947
cg262667							
03	chr8	1.45E+08		-0.24319	-3.18103	0.001743	0.686752
cg092219							
32	chr1	87597830		0.362397	3.186548	0.001712	0.683015
cg270116							
20	chr12	94136156		0.279563	3.196111	0.00166	0.676427
cg182462							
62	chr8	9762100		0.325035	3.186095	0.001715	0.683015
cg246405							
61	chr13	1.09E+08		-0.34166	-3.18921	0.001697	0.681889
cg013892							
83	chr11	5539372	TRIM5;APBB1	-0.28414	-3.19343	0.001674	0.678893
cg246946							
75	chr1	76082066		-0.32644	-3.18379	0.001728	0.68471
cg269319							
90	chr16	1661230		0.266479	3.203318	0.001621	0.672139
cg000582							
96	chr1	2.38E+08		-0.48311	-3.18753	0.001707	0.683015
cg190429							
47	chr14	95027441		-0.35892	-3.18846	0.001702	0.682919
cg188562			CD5;CD6;SDHAF				
96	chr11	60609242	2;MS4A1	0.337955	3.181722	0.001739	0.686752
cg103271							
68	chr1	44417664	ATP6V0B	-0.28881	-3.17642	0.00177	0.689499
cg035346							
47	chr14	74417040		0.238799	3.177136	0.001766	0.689162
cg040630							
45	chr2	71124531		0.331982	3.172808	0.001791	0.691805
cg192482							
56	chr11	76901188		-0.42256	-3.17844	0.001758	0.68782
cg220292							
97	chr1	26736798		0.317521	3.186346	0.001713	0.683015
cg126345			HOXD3;HOXD-				
91	chr2	1.77E+08	AS1	0.407838	3.177435	0.001764	0.689121
cg033116							
84	chr10	1.19E+08		0.290285	3.178589	0.001757	0.68782
cg152241			ENSG000002545				
39	chr11	1.19E+08	61;HYOU1	-0.24018	-3.18631	0.001714	0.683015
cg260006							
19	chr19	2251067		0.543957	3.178297	0.001759	0.68782
cg024435							
83	chr17	57970530		0.241143	3.189475	0.001696	0.681889

			ZNF542;PEG3;ZNF471;ZNF154;ZNF671;ZNF667;ZNF772;ZIK1;ZNF66				
cg223545	95	chr19	57351440 7-AS1	0.29113	3.17573	0.001774	0.689801
cg239940	43	chr2	2E+08	0.311713	3.185547	0.001718	0.683015
cg054008	83	chr1	2.44E+08	-0.39044	-3.19606	0.00166	0.676427
cg121013	54	chr11	20622652	0.463112	3.186602	0.001712	0.683015
cg158248	64	chr17	77812175	0.420734	3.181119	0.001743	0.686752
cg085015	33	chr10	12084975	0.184924	3.186981	0.00171	0.683015
cg124859	92	chr17	3374971	0.32169	3.189667	0.001695	0.681889
cg114055	44	chr13	1.13E+08	-0.35954	-3.19129	0.001686	0.680456
cg240390	19	chr2	47169181	-0.40587	-3.18336	0.00173	0.68471
cg273067	77	chr5	1.72E+08	-0.63717	-3.18409	0.001726	0.68471
cg232758	40	chr4	47708675	-0.29947	-3.17085	0.001802	0.691921
cg072955	86	chr8	1.43E+08	-0.36959	-3.18408	0.001726	0.68471
cg191925	85	chr20	62948037	0.39074	3.174407	0.001781	0.691061
cg254262	08	chr6	27198646	0.547266	3.181228	0.001742	0.686752
cg236740	11	chr8	29706233	-0.41021	-3.17482	0.001779	0.691061
cg060605	22	chr20	44782039	1.042508	3.179942	0.001749	0.68729
cg213375	80	chr8	11141424 PRSS51	0.49655	3.187977	0.001704	0.683015
cg198277	87	chr1	23763612	0.45125	3.185789	0.001716	0.683015
cg085309	78	chr2	1.73E+08	-0.37535	-3.17433	0.001782	0.691061
cg049412	78	chr12	3566096	-0.33873	-3.19041	0.001691	0.681781
cg031329	11	chr5	75698732	-0.4184	-3.18978	0.001694	0.681889
cg181182	62	chr5	1.41E+08	0.651611	3.167	0.001825	0.694207

cg164419							
19	chr17	1094029	-0.60522	-3.16888	0.001814	0.693335	
cg055832							
40	chr12	1.05E+08	0.435779	3.179557	0.001752	0.68752	

cg221617							
84	chr17	78337534	0.331904	3.164977	0.001837	0.694207	
cg014778							
35	chr4	87989696	0.766166	3.171343	0.001799	0.691921	
cg194421							
38	chr10	21783344	0.42842	3.180659	0.001745	0.68695	
cg275690							
34	chr1	1.53E+08	-0.45459	-3.1737	0.001785	0.691671	
cg275245							
15	chr8	38239417	-0.50218	-3.17188	0.001796	0.691921	
ch.3.2399							
726R	chr3	1.23E+08	-0.5307	-3.16557	0.001833	0.694207	
cg059923							
40	chr5	58882243	-0.36601	-3.18194	0.001738	0.686752	
cg137185							
39	chr5	1.41E+08	0.433331	3.163059	0.001848	0.694207	
cg219466							
67	chr17	40839643	0.333574	3.173501	0.001787	0.691671	
cg026355							
92	chr3	98376574	0.650068	3.176413	0.00177	0.689499	
cg104872							
21	chr20	60119551	-0.41109	-3.16303	0.001848	0.694207	
cg198019							
21	chr1	63784864	0.494443	3.163572	0.001845	0.694207	
cg013006							
41	chr10	2960614	-0.43413	-3.16235	0.001852	0.695024	

cg157081							
53	chr19	56879554	0.451804	3.163949	0.001843	0.694207	
cg218422							
62	chr14	1.04E+08	-0.38501	-3.17062	0.001803	0.691921	
cg189272							
55	chr14	91977255	0.198126	3.172607	0.001792	0.691805	
cg109440							
97	chr13	25691517	0.344453	3.158066	0.001878	0.695024	

cg215294							
77	chr11	1892092	0.395708	3.157502	0.001882	0.695024	
cg146533							
90	chr1	2930315	-0.37685	-3.17134	0.001799	0.691921	

cg004588							
90	chr13	27333986		0.667608	3.165261	0.001835	0.694207
cg085712							
29	chr10	74927769		-0.35994	-3.18339	0.00173	0.68471
cg132586							
55	chr1	45244184		-0.33033	-3.16405	0.001842	0.694207
cg237994							
40	chr1	2.47E+08		0.518099	3.158156	0.001878	0.695024
cg181721							
86	chr6	1.31E+08		0.36213	3.166594	0.001827	0.694207
cg063974							
24	chr16	15737279		-0.35114	-3.17284	0.00179	0.691805
cg135556							
89	chr14	1.01E+08		-0.53844	-3.1567	0.001887	0.695024
cg275172							
82	chr7	28476022 CREB5		0.357587	3.179973	0.001749	0.68729
cg019759							
57	chr1	1.53E+08		-0.39698	-3.15423	0.001902	0.695349
cg085951							
82	chr15	89010613		0.246668	3.165433	0.001834	0.694207
cg042006							
43	chr14	24605215		-0.19479	-3.16405	0.001842	0.694207
cg222935							
00	chr3	1.87E+08		-0.40183	-3.16486	0.001837	0.694207

			ROPN1L;MARCH				
			6;SEMA5A;ENSG				
cg096991			00000272417;FA				
93	chr5	9457024 M173B		-0.3758	-3.17908	0.001754	0.68782
cg125330							
10	chr14	58711667		-0.50653	-3.16609	0.00183	0.694207
cg134629							
09	chr9	1.19E+08		-0.35959	-3.15869	0.001875	0.695024
cg048764							
07	chr2	1.35E+08		-0.38969	-3.15547	0.001894	0.695349
cg017930							
42	chr12	1.17E+08		-0.4511	-3.16407	0.001842	0.694207
cg120458							
75	chr6	74104594 DDX43		1.037762	3.15844	0.001876	0.695024
cg002102							
04	chr6	10748101		-0.23486	-3.1482	0.001939	0.695349
cg268340							
43	chr5	1.08E+08		-0.51762	-3.15642	0.001888	0.695024
cg040629							
65	chr2	2.19E+08		-0.24084	-3.14936	0.001932	0.695349
cg174717							
79	chr2	2.33E+08		-0.30965	-3.16971	0.001809	0.692449

cg244278							
95	chr11	20230313		0.497767	3.151539	0.001918	0.695349
cg119329							
61	chr4	1.3E+08		-0.31929	-3.17016	0.001806	0.692327
cg233650							
71	chr16	30793845		0.285608	3.156228	0.001889	0.695024
cg273314							
95	chr5	1.18E+08		0.448303	3.171199	0.0018	0.691921
cg180550							
75	chr5	1.15E+08		-0.36651	-3.15369	0.001905	0.695349
cg101594							
32	chr10	1.35E+08		-0.45378	-3.16196	0.001855	0.695024
cg007585							
84	chr1	40254741		-0.2357	-3.16085	0.001861	0.695024
cg111661							
06	chr2	2.2E+08		-0.20835	-3.14905	0.001934	0.695349
cg271460							
01	chr21	45786615		-0.34799	-3.16774	0.00182	0.694207
cg092890							
05	chr10	1.33E+08 GLRX3		-0.37002	-3.16955	0.00181	0.692449
cg027286							
51	chr5	79251870		-0.52179	-3.15489	0.001898	0.695349
cg139362							
61	chr15	91642911		0.312668	3.15457	0.0019	0.695349
cg013916							
81	chr7	1.42E+08		-0.26412	-3.15267	0.001911	0.695349
cg040317							
57	chr6	28793329		-0.25164	-3.15471	0.001899	0.695349

			MRPS15;PSMB2; AGO3;CLSPN;TR				
cg106225							
36	chr1	36771021 APPC3		-0.43701	-3.17614	0.001771	0.689499
cg129621							
91	chr5	1.4E+08		0.687211	3.158975	0.001873	0.695024
cg027398							
50	chr15	86380880		-0.4344	-3.14953	0.001931	0.695349
cg154595							
37	chr3	35730993		-0.42261	-3.15897	0.001873	0.695024
cg227028							
33	chr5	164172		-0.35112	-3.14964	0.00193	0.695349
cg214706							
00	chr1	6040824		-0.42314	-3.16009	0.001866	0.695024
cg263125							
42	chr11	1.12E+08 IL18		0.853061	3.15734	0.001883	0.695024
cg146145							
63	chr10	32218901		0.495781	3.164812	0.001838	0.694207
cg223450							
63	chr1	48191702		0.294758	3.151381	0.001919	0.695349

cg051423							
58	chr18	76264889		-0.24675	-3.1638	0.001844	0.694207
cg070027							
11	chr8	63998640		0.281724	3.152873	0.00191	0.695349
cg053031							
32	chr1	2984631		-0.55778	-3.15818	0.001878	0.695024
cg165215							
94	chr17	56084977		-0.32856	-3.16009	0.001866	0.695024
cg006165							
25	chr17	26646045		0.211421	3.156747	0.001886	0.695024
cg056301							
36	chr15	23891780		-0.42271	-3.14407	0.001965	0.698827
cg234524							
43	chr1	65210737		0.249456	3.14968	0.00193	0.695349
cg123003							
53	chr4	44450358		0.544988	3.164547	0.001839	0.694207
cg173687							
37	chr8	1.45E+08		-0.22237	-3.14587	0.001954	0.697137
cg274855							
30	chr17	80041172		-0.29843	-3.15829	0.001877	0.695024
cg065790							
24	chr19	50789808	PIH1D1	-0.36452	-3.13742	0.002008	0.703663
cg075628							
35	chr17	73734756	CASKIN2;ICT1	-0.30425	-3.157	0.001885	0.695024
cg042921							
87	chr1	2.36E+08		-0.25106	-3.17096	0.001801	0.691921
cg006433							
33	chr22	45705037	KIAA0930	0.500693	3.150605	0.001924	0.695349
cg004260							
89	chr1	2.13E+08		-0.36802	-3.15842	0.001876	0.695024
cg012872							
18	chr3	1.08E+08		-0.54303	-3.16	0.001867	0.695024
cg113325			ENSG000002479				
19	chr12	26348093	03	0.547911	3.135389	0.002021	0.704489
cg033303							
77	chr7	92242243		-0.36115	-3.14838	0.001938	0.695349
cg065673							
73	chr10	1.02E+08		0.426997	3.151361	0.001919	0.695349
cg142289							
80	chr17	78122221		-0.40629	-3.15079	0.001923	0.695349
cg071304							
66	chr11	35573212		0.310863	3.147838	0.001941	0.695584
cg221792							
56	chr19	17986728		-0.2534	-3.1427	0.001974	0.700601
cg255747							
61	chr12	1.23E+08		-0.47168	-3.1406	0.001987	0.701639
cg079228							
25	chr4	66900082		-0.43804	-3.15342	0.001907	0.695349
cg077977							
47	chr1	1.56E+08		-0.28618	-3.15265	0.001911	0.695349

cg162812							
76	chr11	7695528		-0.31046	-3.14747	0.001944	0.695787
cg005858							
18	chr16	1053715		-0.39103	-3.14852	0.001937	0.695349
cg131891							
47	chr17	80958128		0.321583	3.147229	0.001945	0.695787
cg126337							
39	chr17	8370548		0.337032	3.156883	0.001885	0.695024
cg261362							
85	chr21	15756085		-0.34273	-3.16333	0.001846	0.694207
cg020771							
00	chr2	1.78E+08		0.371526	3.148928	0.001935	0.695349
cg151050							
11	chr4	940614		0.601612	3.148515	0.001937	0.695349
cg254268							
07	chr6	29395221 HCG4		-0.4756	-3.14975	0.001929	0.695349
cg183538							
26	chr19	10019939		0.320765	3.145595	0.001956	0.697137
cg243132							
49	chr13	1.14E+08		-0.27337	-3.1524	0.001913	0.695349
cg049062							
42	chr16	75150880		-0.37881	-3.13252	0.00204	0.706536
cg235904							
04	chr8	11071946		-0.39698	-3.14945	0.001931	0.695349
cg098144							
80	chr7	1.35E+08		-0.27748	-3.14172	0.00198	0.700601
cg183501							
86	chr6	1.12E+08		-0.229	-3.15698	0.001885	0.695024
cg124697							
55	chr5	1.11E+08 NREP		-0.31556	-3.14562	0.001955	0.697137
cg046797							
12	chr8	25898839		0.405944	3.149103	0.001934	0.695349
cg134203							
66	chr1	2.05E+08		-0.72636	-3.13291	0.002037	0.706536
cg120667							
70	chr8	1.4E+08 COL22A1		-0.2981	-3.13811	0.002003	0.703615
cg240480							
08	chr1	1.1E+08		0.302704	3.13647	0.002014	0.703874
cg060870							
29	chr3	48488078		-0.26357	-3.1283	0.002068	0.706872
cg002388							
15	chr8	1.45E+08		0.338918	3.136816	0.002012	0.703663
cg123745							
11	chr3	1.21E+08		0.324551	3.141913	0.001979	0.700601
cg213990							
21	chr1	9048292		-0.30221	-3.14464	0.001962	0.698361
cg193050							
40	chr4	1.85E+08		-0.1606	-3.14276	0.001974	0.700601
cg190990							
50	chr3	9594382		0.414682	3.140515	0.001988	0.701639



cg115612							
18	chr6	24122547	ALDH5A1	0.434146	3.131763	0.002045	0.706536
ch.7.1226							
71817R	chr7	1.23E+08		0.658609	3.136055	0.002017	0.704085
cg044811							
81	chr3	1.65E+08		-0.22243	-3.14884	0.001935	0.695349
cg056396							
79	chr1	33219593		-0.23994	-3.14149	0.001982	0.700601
cg090763							
39	chr1	2.27E+08	ADCK3;H3F3A	-0.42519	-3.13519	0.002022	0.704489
cg146702							
13	chr5	1.2E+08		-0.35864	-3.13024	0.002055	0.706757
cg050070							
22	chr14	75330462		-0.2937	-3.13248	0.00204	0.706536
cg047075							
19	chr10	21799314		0.666317	3.141779	0.00198	0.700601
cg025395							
18	chr2	1.14E+08		-0.26831	-3.13239	0.002041	0.706536
cg006705							
52	chr12	1.32E+08		-0.33649	-3.13773	0.002006	0.703663
cg063475							
82	chr1	2829700		-0.30711	-3.12812	0.002069	0.706872
cg042069							
67	chr8	1.1E+08		0.357793	3.125357	0.002087	0.711467
cg183050							
31	chr19	3982603		0.389631	3.132147	0.002042	0.706536
cg204239							
77	chr21	42557641		0.405312	3.141516	0.001981	0.700601
cg218372							
07	chr1	1.2E+08		-0.39242	-3.13859	0.002	0.703615
cg128452							
68	chr10	63657363		0.42858	3.144535	0.001962	0.698361
cg223460							
81	chr1	1.1E+08		-0.35433	-3.13379	0.002031	0.70652
cg176458							
23	chr12	1.15E+08		0.277844	3.119539	0.002127	0.717159
cg182791							
26	chr7	2041391		-0.54387	-3.13178	0.002045	0.706536
cg110733							
82	chr4	1.21E+08		-0.50175	-3.13916	0.001997	0.703053
cg161791							
82	chr5	1.4E+08		0.426843	3.129583	0.002059	0.706757
cg186295							
14	chr7	5388895		0.298253	3.131219	0.002048	0.706631
cg068946							
51	chr1	1.52E+08		0.267252	3.13587	0.002018	0.704085
cg139305							
44	chr1	2.48E+08	KIF28P	0.507132	3.138306	0.002002	0.703615
cg035828							
27	chr16	958339		-0.39094	-3.13453	0.002027	0.705394

cg100477							
62	chr17	80875998		-0.48178	-3.12932	0.002061	0.706757
cg096024							
52	chr3	1.84E+08		-0.28592	-3.116	0.002151	0.719705
cg194168							
79	chr17	55038611		0.38403	3.13715	0.00201	0.703663
cg018975							
62	chr4	74904675		-0.28288	-3.13697	0.002011	0.703663
cg123050							
74	chr7	78368756		-0.582	-3.13131	0.002048	0.706631
cg234244							
07	chr12	1.15E+08		0.586475	3.129945	0.002057	0.706757
cg188989							
92	chr7	94286484		0.292173	3.118353	0.002135	0.717926
cg172224							
01	chr5	1464340		0.35575	3.139123	0.001997	0.703053
cg207475							
77	chr7	26897253	NFE2L3	0.805814	3.119075	0.00213	0.717384
cg264200			SRD5A1;ENSG00				
13	chr5	6632020	000272520	0.330607	3.133035	0.002036	0.706536
cg210375							
70	chr2	86422857		-0.2333	-3.14004	0.001991	0.702137
cg126004							
18	chr1	37939923		0.2524	3.118104	0.002137	0.717926
cg026535							
26	chr19	50371215		-0.25849	-3.12952	0.00206	0.706757
cg139410			C1orf158;AGTRA				
27	chr1	12335550	P;MTHFR	0.469348	3.123302	0.002101	0.713774
cg134842							
95	chr2	1.74E+08		0.269481	3.128916	0.002064	0.706757
cg148928							
86	chr11	45826170		-0.26843	-3.11597	0.002151	0.719705
cg084852							
59	chr3	1.97E+08		-0.37498	-3.1212	0.002115	0.715719
cg104960							
30	chr11	76510466		0.270546	3.130566	0.002053	0.706757
cg255732							
27	chr7	53286592		0.56399	3.122382	0.002107	0.714035
cg055784							
52	chr5	1.79E+08		-0.25435	-3.12103	0.002117	0.715719
cg103320							
03	chr4	1.85E+08		0.344246	3.128915	0.002064	0.706757
cg086957							
24	chr9	95527179		-0.30534	-3.14666	0.001949	0.696493
cg018311							
77	chr1	1.77E+08		0.298123	3.1182	0.002136	0.717926
cg085866							
42	chr8	854690		-0.37986	-3.11778	0.002139	0.718104

cg02347881	chr13	91579373		-0.4849	-3.12918	0.002062	0.706757
cg04572930	chr7	4754834	FSCN1;RNF216	-0.55383	-3.12745	0.002073	0.707823
cg02119348	chr16	6069731		0.386811	3.11585	0.002152	0.719705
cg14824386	chr8	41167923		0.327901	3.112986	0.002172	0.719705
cg11727569	chr9	1.12E+08		0.537048	3.115327	0.002156	0.719705
cg18367433	chr10	1.05E+08		-0.52867	-3.11045	0.00219	0.719705
cg14043049	chr19	19748575	ENSG00000267383;LINC00663	0.667498	3.110989	0.002186	0.719705
cg16448702	chr2	2.34E+08	DNAJB3;NGEF	-0.68618	-3.11598	0.002151	0.719705
cg18237618	chr1	41328258		-0.20463	-3.1236	0.002099	0.713774
cg19829602	chr19	49448199	PLA2G4C;TEAD2;CPT1C;RCN3;FCGRT;EMP3;RRAS;RASIP1;DBP;FAM83E;CYTH2;CARD8;HRC;RUVBL2;FUT2;CA11;PPFIA3	-0.38876	-3.12542	0.002087	0.711467
cg21209395	chr9	35406764		0.428747	3.112884	0.002173	0.719705
cg16727243	chr2	20441905		0.628504	3.104229	0.002234	0.719705
cg00503383	chr1	91301651		0.519626	3.11527	0.002156	0.719705
ch.14.1824732F	chr14	1.04E+08		0.479275	3.111504	0.002182	0.719705
cg19149785	chr19	51506273		0.500115	3.111853	0.00218	0.719705
cg26838691	chr2	24397539		-0.49369	-3.1285	0.002066	0.706872
cg03421801	chr11	1.02E+08		0.423703	3.104441	0.002232	0.719705
cg11203143	chr17	36634106		0.320051	3.122256	0.002108	0.714035

cg087722							
65	chr6	32812395		-0.25317	-3.11503	0.002158	0.719705
cg118231							
78	chr8	41519399		-0.40088	-3.11135	0.002183	0.719705
cg138716							
33	chr3	42947385		0.378016	3.103731	0.002237	0.719705
cg076318							
28	chr20	57582581		0.341643	3.112121	0.002178	0.719705
cg016695							
40	chr16	67884473		0.390286	3.122917	0.002104	0.713774
cg101943							
41	chr6	43027125	TBCC;RRP36	0.296402	3.108543	0.002203	0.719705
cg169201							
91	chr4	1379968		0.361582	3.113221	0.00217	0.719705
cg260343							
75	chr1	31907354		0.245205	3.110478	0.002189	0.719705
cg102579							
05	chr17	12568092		0.305867	3.099578	0.002267	0.719705
cg149316							
83	chr17	35872880		0.458467	3.102803	0.002244	0.719705
cg275826							
25	chr4	1.38E+08		-0.34681	-3.10752	0.00221	0.719705
cg012589							
97	chr14	53419701		0.450871	3.103346	0.00224	0.719705
cg156541							
36	chr2	71047710	TGFA	0.326698	3.102278	0.002248	0.719705
cg000503			FGFBP1;TAPT1-				
36	chr4	15377965	AS1;CC2D2A	-0.38629	-3.10554	0.002224	0.719705
			ENSG000002684				
cg230266			16;ZNF208;ZNF4				
02	chr19	21646605	29	0.420192	3.110684	0.002188	0.719705
cg182511							
91	chr19	32715259		0.469094	3.101793	0.002251	0.719705
cg058906							
16	chr17	41859201		-0.33804	-3.10657	0.002217	0.719705
cg241865							
06	chr10	1.26E+08		-0.42923	-3.10274	0.002244	0.719705
cg069510							
11	chr16	20996704		0.440842	3.106053	0.002221	0.719705
cg076987							
83	chr11	47395915	ACP2	-0.25027	-3.12286	0.002104	0.713774
cg057445							
10	chr17	39844982		0.15104	3.107421	0.002211	0.719705
cg131820							
10	chr14	23235291		0.461362	3.096753	0.002288	0.719705
cg191551							
00	chr2	2.34E+08		0.290961	3.120181	0.002122	0.717102

cg260312							
88	chr7	40787015		-0.44176	-3.10817	0.002206	0.719705
cg048871							
24	chr1	16557469		-0.30148	-3.11006	0.002192	0.719705
cg165305							
87	chr11	1.23E+08		0.505592	3.096991	0.002286	0.719705
cg127433							
88	chr1	84755291		0.40393	3.124074	0.002096	0.713268
cg005427							
75	chr1	4188710		0.305151	3.113178	0.002171	0.719705
cg188499							
20	chr11	86013510		-0.27235	-3.10939	0.002197	0.719705
cg154192							
11	chr5	1.15E+08		0.35995	3.110354	0.00219	0.719705
cg075594							
27	chr7	95467004		0.334124	3.098327	0.002276	0.719705
cg006806							
96	chr2	2.2E+08		0.281863	3.101309	0.002255	0.719705
cg018881							
29	chr15	64126210		-0.30699	-3.10319	0.002241	0.719705
cg158467							
18	chr6	75953307		0.375718	3.107387	0.002211	0.719705
cg122877							
85	chr6	99295470		0.355227	3.107411	0.002211	0.719705
cg190749							
70	chr2	2.28E+08		-0.22144	-3.12458	0.002093	0.712679
cg075378							
96	chr11	1.21E+08		0.323979	3.096219	0.002291	0.719705
cg232386							
77	chr2	1.7E+08 CCDC173;BBS5		-0.53818	-3.10646	0.002218	0.719705
cg034156							
38	chr10	7213843		-0.33523	-3.10337	0.00224	0.719705
cg209545							
33	chr5	71462729		-0.36029	-3.11942	0.002128	0.717159
cg236070							
33	chr10	30723892		-0.32171	-3.11331	0.00217	0.719705
cg168720							
86	chr7	25991027		-0.18199	-3.10758	0.00221	0.719705
cg196194							
05	chr12	43945892		0.374146	3.106155	0.00222	0.719705
cg236316							
36	chr2	2.17E+08		-0.23827	-3.09807	0.002278	0.719705
cg203811							
15	chr15	45671148		0.413317	3.105328	0.002226	0.719705
cg004835							
62	chr5	1931781		0.438638	3.094069	0.002307	0.719705
cg153118							
14	chr7	35296213		0.383438	3.090831	0.002331	0.719705
cg154460							
73	chr11	62339136		0.295124	3.107259	0.002212	0.719705

cg146312							
76	chr8	1.45E+08 KIAA1875	0.86761	3.11021	0.002191	0.719705	
cg096772							
68	chr19	58556044	0.538241	3.102988	0.002242	0.719705	
cg074966							
87	chr22	22236176	-0.29333	-3.09634	0.002291	0.719705	
cg029397							
67	chr20	584773 SDCBP2	-0.48788	-3.10145	0.002254	0.719705	
cg206960							
50	chr15	25963402 SNHG14;PWAR6	0.366264	3.099564	0.002267	0.719705	
cg154046							
65	chr19	4724679 PLIN3	0.662965	3.095632	0.002296	0.719705	
cg246945							
01	chr2	16154177	0.458221	3.097233	0.002284	0.719705	
cg192711							
11	chr3	1.47E+08	0.342719	3.101331	0.002254	0.719705	
cg032571							
72	chr1	2E+08 KIF21B	0.311684	3.107639	0.002209	0.719705	
cg145418							
00	chr9	1.37E+08	0.403651	3.107538	0.00221	0.719705	
cg058921							
67	chr3	79350387	0.288457	3.091045	0.00233	0.719705	
cg136904							
24	chr18	54789193	0.414872	3.091222	0.002328	0.719705	
cg165057							
04	chr13	80378331	0.342694	3.119734	0.002125	0.717159	
cg200793							
06	chr20	34129701	-0.30796	-3.08475	0.002377	0.719705	
cg159207							
39	chr21	33765737	0.655291	3.086157	0.002366	0.719705	
cg028375							
36	chr1	4771682	0.454274	3.094445	0.002304	0.719705	
cg222340							
80	chr22	29876942	0.309515	3.103674	0.002238	0.719705	
cg007917							
12	chr10	1.24E+08	-0.32679	-3.09068	0.002332	0.719705	
cg151486							
83	chr19	36736872	0.475376	3.098762	0.002273	0.719705	
cg120661							
18	chr10	1.32E+08	-0.21415	-3.09275	0.002317	0.719705	
cg022826							
31	chr5	42953543	0.510172	3.092319	0.00232	0.719705	
cg122436							
22	chr17	32633974	-0.31978	-3.10955	0.002196	0.719705	
cg071091							
15	chr10	28030398 MKX;MPP7	0.442867	3.115349	0.002155	0.719705	
cg016017							
46	chr19	58038689	0.29214	3.090951	0.00233	0.719705	
cg191395							
54	chr3	50126253	0.197947	3.085216	0.002373	0.719705	

cg249487							
92	chr10	1.03E+08		0.477903	3.095554	0.002296	0.719705
cg202019							
57	chr17	2603638	TSR1	0.307843	3.094116	0.002307	0.719705
cg009296							
58	chr21	47546030		-0.54623	-3.08871	0.002347	0.719705
cg221735							
37	chr5	1.66E+08		-0.2753	-3.08858	0.002348	0.719705
cg199903							
42	chr5	2564660		-0.3676	-3.09258	0.002318	0.719705
cg048890							
69	chr8	57030408		0.485759	3.099534	0.002267	0.719705
cg250700							
75	chr15	27083993		0.682323	3.082534	0.002394	0.719705
cg171325							
01	chr2	442702	FAM110C	-0.24003	-3.08431	0.00238	0.719705
cg220560							
94	chr5	1.41E+08		0.775675	3.091884	0.002323	0.719705
cg180451							
95	chr2	45178950		0.291934	3.098183	0.002277	0.719705
cg268254							
12	chr20	62681428		0.203845	3.090811	0.002331	0.719705
cg104259							
49	chr17	38210997		0.271703	3.099294	0.002269	0.719705
cg007184			ENSG000002281				
14	chr17	938121	33;SCARF1	0.347309	3.086602	0.002363	0.719705
cg019219							
18	chr2	1.71E+08		0.331344	3.098181	0.002277	0.719705
cg204219							
14	chr13	1E+08		0.181688	3.089549	0.002341	0.719705
cg006472							
17	chr1	1.65E+08		0.714627	3.087841	0.002354	0.719705
cg142226							
07	chr8	21967298		-0.2927	-3.08861	0.002348	0.719705
cg130297							
31	chr14	24037054	C14orf93	0.300216	3.088453	0.002349	0.719705
cg269066							
29	chr11	68564367		0.609934	3.081361	0.002403	0.719705
cg189411							
51	chr1	1.14E+08		0.440494	3.086819	0.002361	0.719705
cg247084							
71	chr19	30719437		0.510469	3.086509	0.002364	0.719705
cg260212							
73	chr7	1.57E+08		0.296416	3.077521	0.002432	0.721388
cg066078							
25	chr11	19825800		-0.47805	-3.09484	0.002302	0.719705
cg032154							
22	chr5	1.35E+08		0.395141	3.09703	0.002286	0.719705

cg025325							
18	chr16	3210066		0.647928	3.092449	0.002319	0.719705
cg017166							
00	chr2	2.02E+08		-0.23632	-3.09387	0.002309	0.719705
cg084275							
73	chr4	1.4E+08		-0.22886	-3.08818	0.002351	0.719705
cg000744							
15	chr10	1.15E+08		-0.83957	-3.08513	0.002374	0.719705
cg066330							
61	chr14	57261601		0.391966	3.081545	0.002401	0.719705
cg186831							
03	chr10	1.15E+08		-0.39308	-3.09137	0.002327	0.719705
cg035363							
20	chr1	62211713		0.419335	3.090761	0.002332	0.719705
cg052391			C1orf189;S100A				
63	chr1	1.54E+08	14;S100A16	0.368856	3.085936	0.002368	0.719705
cg033593							
62	chr19	47289611		-0.48793	-3.07991	0.002414	0.719705
cg086576							
71	chr5	1.76E+08		-0.44474	-3.08172	0.0024	0.719705
cg193750							
53	chr19	35991319		0.29168	3.08423	0.002381	0.719705
cg173632							
76	chr2	33150993		-0.3062	-3.08381	0.002384	0.719705
cg134230							
98	chr15	23807234		0.431671	3.081784	0.002399	0.719705
cg139877							
92	chr12	1.32E+08		0.249	3.08651	0.002364	0.719705
cg036442							
38	chr7	1.48E+08	CUL1	-0.68079	-3.09212	0.002322	0.719705
cg234041							
10	chr11	68609590		0.284207	3.085395	0.002372	0.719705
cg183752							
36	chr19	30024706		-0.27608	-3.10293	0.002243	0.719705
cg119987			ZIK1;ZNF772;ZN				
03	chr19	58446669	F154;ZNF418;ZN				
cg041735			F671;ZNF134;ZN				
23	chr8	88889648	F773;ZNF274;ZN				
cg129870							
59	chr3	33067108		0.398389	3.086433	0.002364	0.719705
cg137777							
17	chr5	76250527		0.432649	3.084823	0.002376	0.719705



cg235224							
75	chr5	95068092		0.476543	3.078802	0.002422	0.720287
cg101521							
31	chr19	51111677		0.532976	3.092539	0.002319	0.719705
cg253510							
03	chr7	22705607		-0.35508	-3.10138	0.002254	0.719705
cg050483			IL32;CCDC64B;P				
77	chr16	3237964	RSS22	0.32869	3.085389	0.002372	0.719705
cg251242							
28	chr12	1.26E+08		-0.48554	-3.08084	0.002407	0.719705
cg180090							
00	chr10	71811927		0.451284	3.089757	0.002339	0.719705
cg101899							
62	chr2	1.75E+08	WIPF1	-0.37893	-3.07688	0.002437	0.722354
cg099985							
19	chr1	2.45E+08		-0.42687	-3.08165	0.0024	0.719705
cg223642							
19	chr1	16714091		0.379148	3.08879	0.002346	0.719705
cg211465							
37	chr22	35695301		0.398686	3.079616	0.002416	0.719705
cg190511							
95	chr17	26989222		-0.22311	-3.08387	0.002383	0.719705
cg016617							
77	chr11	1983308		-0.43419	-3.08287	0.002391	0.719705
cg194643							
20	chr12	1.21E+08		-0.47986	-3.09327	0.002313	0.719705
cg016564							
70	chr19	57350096	ZNF542	0.344682	3.079546	0.002416	0.719705
cg233729							
36	chr17	1162810	MIR22HG	0.233737	3.079683	0.002415	0.719705
cg153194							
57	chr2	2.39E+08		0.445804	3.096078	0.002293	0.719705
cg046106							
01	chr5	1.68E+08		-0.32207	-3.08002	0.002413	0.719705
cg124499							
74	chr15	68883256		-0.25771	-3.07545	0.002448	0.722768
cg202005							
16	chr8	81400156		0.492427	3.074524	0.002455	0.722768
cg265595							
09	chr7	766384		-0.20315	-3.08232	0.002395	0.719705
cg085445							
83	chr4	1341575		-0.30755	-3.0864	0.002364	0.719705
cg254796							
82	chr3	1.85E+08		0.367441	3.090748	0.002332	0.719705
cg072854							
81	chr16	81667167	HSD17B2;GAN	-0.28931	-3.0822	0.002396	0.719705
cg008440							
78	chr2	26098817		0.475133	3.091682	0.002325	0.719705

cg018287							
53	chr6	99272871		0.461478	3.083398	0.002387	0.719705
cg109067			HOXB4;HOXB- AS2;NXPH3;LRRC				
29	chr17	46682390	46;PRR15L;TTLL6	0.58264	3.078658	0.002423	0.720287
cg128094							
83	chr5	72702746		0.346178	3.092685	0.002317	0.719705
cg067200							
01	chr18	51795815		0.191126	3.071272	0.002481	0.72348
cg026071							
30	chr19	1008643		0.315972	3.073009	0.002467	0.722768
cg153195							
22	chr14	76819459		0.250719	3.094635	0.002303	0.719705
cg178917			ZNF473;SLC6A16				
15	chr19	50529185	;PTOV1-AS1	-0.23656	-3.07475	0.002454	0.722768
cg275925							
64	chr19	58071582	ZIK1	0.442572	3.078177	0.002427	0.720886
cg108796							
83	chr2	10442817		-0.25883	-3.08289	0.002391	0.719705
cg078918							
20	chr4	7799636		0.526245	3.075158	0.00245	0.722768
cg020974							
29	chr16	27210995		-0.42781	-3.07119	0.002481	0.72348
cg168545							
24	chr4	83931902		-0.3048	-3.08046	0.002409	0.719705
cg153881							
07	chr7	36700916	ANLN	-0.38112	-3.0734	0.002464	0.722768
cg008999							
76	chr20	56227540		0.702241	3.075895	0.002445	0.722768
cg194428							
89	chr8	41639488		0.33721	3.08076	0.002407	0.719705
cg014927							
10	chr6	79788336		-0.27355	-3.09077	0.002332	0.719705
cg027954							
32	chr2	2.04E+08	CARF	-0.2198	-3.08811	0.002352	0.719705
cg219736							
87	chr6	1.48E+08		0.43077	3.07965	0.002416	0.719705
cg150858							
05	chr19	18433592	IL12RB1	-0.34496	-3.06755	0.00251	0.726271
cg038559							
54	chr20	43753635		0.423804	3.06496	0.002531	0.726271
cg113482							
93	chr2	2.2E+08		0.429903	3.081935	0.002398	0.719705
cg019597							
30	chr1	1.2E+08		0.499234	3.071397	0.00248	0.72348

cg144334							
28	chr9	1.4E+08	-0.31708	-3.09688	0.002287	0.719705	
cg008247							
93	chr9	1.16E+08	0.296643	3.07935	0.002418	0.719705	
cg192022							
92	chr12	54347057	0.404898	3.073601	0.002462	0.722768	
cg013788							
12	chr17	36004794	0.346914	3.080545	0.002409	0.719705	
cg162945							
66	chr11	32458656	0.446303	3.068821	0.0025	0.725673	
cg010546							
58	chr8	33342664	0.233059	3.073225	0.002465	0.722768	
cg146097							
57	chr1	1.57E+08	0.214075	3.062378	0.002552	0.726271	
cg068880							
58	chr19	52552233 ZNF649	-0.34355	-3.06743	0.002511	0.726271	
cg081821							
91	chr2	1.07E+08	0.287434	3.072462	0.002471	0.723034	
cg103361							
31	chr11	66049756	0.308269	3.070169	0.002489	0.725332	
cg209674							
46	chr17	4939521	-0.23656	-3.07474	0.002454	0.722768	
cg069998							
58	chr5	1967249	0.427141	3.0746	0.002455	0.722768	
cg065323		UBE2Q2P1;CSPG					
79	chr15	85360319 4P11	0.355148	3.074269	0.002457	0.722768	
cg227173							
78	chr19	19299305	-0.44644	-3.0893	0.002343	0.719705	
cg154888							
22	chr13	37393523	-0.21388	-3.06946	0.002495	0.725673	
cg048460							
36	chr10	8079205	0.363417	3.065746	0.002525	0.726271	
cg232500							
19	chr11	66138472 CTSF;EFEMP2	0.261774	3.087809	0.002354	0.719705	
cg102374							
79	chr6	42858959	0.251979	3.081912	0.002398	0.719705	
cg011942							
79	chr12	1.14E+08	0.350785	3.073977	0.00246	0.722768	
cg171885							
67	chr12	81649347	-0.47512	-3.08238	0.002395	0.719705	
cg003315							
41	chr20	62220778	-0.57245	-3.06749	0.002511	0.726271	
cg047511							
33	chr5	1.71E+08	0.365055	3.068551	0.002502	0.725673	
cg071076							
28	chr6	27210934	0.425215	3.072629	0.00247	0.723034	
cg018895							
74	chr11	44590889	-0.25105	-3.0651	0.00253	0.726271	

cg104929							
53	chr4	55097420		0.312164	3.081543	0.002401	0.719705
cg237181			DHRS7B;LGALS9				
95	chr17	21300791	B	0.442716	3.06692	0.002515	0.726271
cg036062							
69	chr5	77779546		0.581758	3.062013	0.002555	0.726271
cg071560							
06	chr7	2195321		-0.40933	-3.09856	0.002274	0.719705
cg074145							
74	chr12	1.11E+08		-0.30115	-3.07771	0.002431	0.721388
cg261117							
61	chr3	1.37E+08		-0.21546	-3.06658	0.002518	0.726271
cg139316							
63	chr10	90983647		0.299257	3.073251	0.002465	0.722768
cg000285							
07	chr1	2918106		-0.35365	-3.06629	0.00252	0.726271
cg035070							
18	chr3	97886603		-0.45134	-3.07567	0.002446	0.722768
cg071627							
27	chr16	4848039		-0.32776	-3.05393	0.002621	0.729289
cg024418							
31	chr11	64901569		-0.18492	-3.06697	0.002515	0.726271
cg223756							
89	chr19	34175036		0.384378	3.062584	0.00255	0.726271
cg009388							
59	chr5	1591904		-0.43229	-3.06852	0.002503	0.725673
cg017355							
58	chr16	960144		0.425866	3.07447	0.002456	0.722768
cg010946							
87	chr11	1.25E+08		0.368202	3.068556	0.002502	0.725673
cg010139							
55	chr6	1.51E+08		0.441769	3.059676	0.002574	0.726563
cg181803							
39	chr1	2.2E+08	MARC2;MARC1	-0.34661	-3.05634	0.002601	0.727412
cg218002							
58	chr6	28557080		0.5836	3.057404	0.002592	0.72727
cg263382							
02	chr6	1.64E+08		-0.7227	-3.0605	0.002567	0.726271
cg033632							
48	chr3	27754391		-0.26813	-3.05511	0.002611	0.727999
cg135954							
39	chr22	17564750		-0.36135	-3.07132	0.00248	0.72348
cg050833							
25	chr16	74254113		-0.23278	-3.0617	0.002557	0.726271
cg074770							
90	chr1	1.2E+08		0.211371	3.063043	0.002546	0.726271
cg174944							
46	chr11	2569380		-0.43591	-3.05055	0.002649	0.730504
cg007886							
60	chr2	8424578		-0.30265	-3.06018	0.00257	0.726271

cg012670						
76	chr12	1.16E+08	0.335036	3.07211	0.002474	0.723345
cg222026						
92	chr2	6121939	0.476761	3.057786	0.002589	0.72727
cg172176						
65	chr6	44186914	0.492101	3.05558	0.002607	0.727412
cg182221						
76	chr19	56126034	0.3597	3.060012	0.002571	0.726271
cg249283						
91	chr8	55370336 LYPLA1	0.402507	3.060387	0.002568	0.726271
cg270121						
08	chr5	1.16E+08	0.385239	3.060245	0.002569	0.726271
cg249336						
45	chr1	2.2E+08	0.413818	3.060103	0.00257	0.726271
cg180162						
54	chr3	1.22E+08 KPNA1	0.53769	3.056872	0.002596	0.72727
cg137636						
33	chr9	1.28E+08	-0.28797	-3.05699	0.002596	0.72727
cg273913						
34	chr7	1352002 PSMG3;FTSJ2	-0.3031	-3.06257	0.00255	0.726271
cg189407						
23	chr2	45837923	-0.27868	-3.06584	0.002524	0.726271
cg187106						
92	chr13	20437712	-0.2853	-3.05461	0.002615	0.728323
cg025572						
69	chr7	54826467	0.418863	3.060546	0.002567	0.726271
cg046838						
30	chr9	1.4E+08	-0.40109	-3.06928	0.002496	0.725673
cg014239						
64	chr1	1.11E+08	0.219203	3.064148	0.002537	0.726271
cg134210						
62	chr7	35301069	0.321892	3.060083	0.00257	0.726271
cg108282						
10	chr9	35072977	0.362375	3.060631	0.002566	0.726271
cg135776						
28	chr1	1.2E+08	0.33117	3.057648	0.00259	0.72727
cg109927						
04	chr1	1.63E+08	-0.30791	-3.06712	0.002514	0.726271
cg037946						
17	chr17	78796999 CCDC40	0.435286	3.061709	0.002557	0.726271
cg082891						
30	chr16	3210357 KCTD5	0.487196	3.062538	0.00255	0.726271
cg255443						
84	chr13	44000493	0.461403	3.050523	0.002649	0.730504
cg241755						
22	chr2	98350827	-0.3902	-3.0577	0.00259	0.72727
cg024820						
42	chr3	10465412	0.276257	3.057922	0.002588	0.72727
cg162849						
53	chr8	11471571	0.446199	3.046972	0.002679	0.730504

cg060896							
84	chr1	63783375		0.226327	3.073039	0.002467	0.722768
cg186242							
74	chr3	9834185		-0.33905	-3.0571	0.002595	0.72727
cg215499							
27	chr8	1.11E+08		0.419726	3.061844	0.002556	0.726271
cg195654							
23	chr2	2.25E+08 DOCK10		-0.34703	-3.05153	0.002641	0.730504
cg161110							
73	chr12	1.24E+08		-0.34475	-3.06462	0.002534	0.726271
cg060863		SCNN1B;SCNN1					
89	chr16	22981614 G		-0.35459	-3.04791	0.002671	0.730504
cg166177							
95	chr1	5895056		-0.51912	-3.04751	0.002674	0.730504
cg106044		PDE4A;KANK2;A					
76	chr19	10403908 P1M2		0.634372	3.059192	0.002578	0.726814
cg269378							
09	chr1	1.74E+08		0.224363	3.060078	0.00257	0.726271
cg084047							
39	chr16	48269424		0.460832	3.064236	0.002537	0.726271
cg266452							
37	chr5	1.58E+08 CYFIP2		-0.37355	-3.06309	0.002546	0.726271
cg116451							
55	chr19	47288114 C5AR2		-0.40559	-3.05856	0.002583	0.72727
cg031804							
26	chr9	1.4E+08		0.219494	3.046434	0.002683	0.730504
cg242650							
76	chr10	1939618		0.488992	3.063704	0.002541	0.726271
cg200166							
73	chr1	1.08E+08		0.694394	3.045441	0.002692	0.730531
cg162148							
26	chr2	1065770 PXDN		0.543182	3.061512	0.002559	0.726271
cg262418							
63	chr8	1.46E+08		-0.29227	-3.05165	0.00264	0.730504
cg080539		ENSG000001884					
04	chr16	20085897 77		0.485923	3.061998	0.002555	0.726271
cg158172							
24	chr14	53015645		0.424991	3.052135	0.002636	0.730504
cg111068							
65	chr4	1.85E+08		0.454179	3.054552	0.002616	0.728323
cg066298							
70	chr16	88144213		0.359343	3.055942	0.002604	0.727412
cg092908							
66	chr10	6020369		-0.47748	-3.05704	0.002595	0.72727
cg010552							
79	chr7	1.5E+08		0.392183	3.049766	0.002655	0.730504
cg072510							
46	chr12	97791023		-0.48595	-3.05585	0.002605	0.727412

cg220263							
89	chr6	1.55E+08		0.441181	3.050331	0.002651	0.730504
cg218133							
69	chr4	70999362		0.484924	3.051896	0.002638	0.730504
cg002997			TEP1;TTC5;RPPH				
67	chr14	21560917	1	0.438116	3.056442	0.0026	0.727412
cg091883							
22	chr1	1.13E+08		0.252093	3.042209	0.002719	0.734375
cg189125							
74	chr7	65842487		-0.31639	-3.04123	0.002728	0.735154
cg252981			HMHA1;GRIN3B; PCSK4;GPX4;ARI				
89	chr19	935259	D3A	0.365249	3.049295	0.002659	0.730504
cg240043							
45	chr12	96220001		0.440358	3.042036	0.002721	0.734375
cg044587			RARRES3;POLR2				
76	chr11	62753944	G	-0.36278	-3.04646	0.002683	0.730504
cg203745							
95	chr13	1.01E+08		0.414231	3.041922	0.002722	0.734375
cg147536			FOXM1;TSPAN9;				
31	chr12	3260174	PRMT8	0.532313	3.050222	0.002652	0.730504
cg192586							
65	chr7	1.57E+08		-0.26575	-3.04954	0.002657	0.730504
cg211323			ARHGEF15;BCL6 B;NLGN2;CLDN7; MPDU1;TRAPPC 1;CYB5D1;CTC1; KCTD11;MED31; SLC2A4;WRAP53				
52	chr17	7350001	;TMEM107	0.369968	3.059149	0.002578	0.726814
cg250627							
78	chr14	57265268		0.396366	3.044379	0.002701	0.732049
cg015403							
01	chr6	32940371	TAP1;BAK1	-0.22542	-3.04556	0.002691	0.730531
cg045736							
61	chr4	57254799		0.427861	3.043939	0.002705	0.732137
cg090894							
21	chr3	1.28E+08		0.328589	3.045736	0.002689	0.730531
cg114674							
40	chr2	44065278		-0.28315	-3.0518	0.002638	0.730504

cg001526							
11	chr4	1.23E+08		-0.41949	-3.04707	0.002678	0.730504
cg237954							
29	chr7	73152092		-0.26054	-3.03677	0.002766	0.73625
cg213237							
20	chr4	1.14E+08		-0.58231	-3.04646	0.002683	0.730504
cg255293							
04	chr5	43034529		0.28859	3.046597	0.002682	0.730504
cg028083							
97	chr6	1.6E+08		-0.28153	-3.04694	0.002679	0.730504
cg001076							
30	chr9	1.2E+08		0.299933	3.05277	0.00263	0.730504
cg009624							
59	chr2	68871642	ANTXR1;CNRIP1	-0.255	-3.06445	0.002535	0.726271
cg004732							
45	chr13	1.11E+08		-0.21421	-3.03789	0.002757	0.736145
cg246005							
60	chr8	42698531		-0.31349	-3.04323	0.002711	0.73284
cg260991							
64	chr10	7574782		0.603357	3.050415	0.00265	0.730504
cg009463							
16	chr7	1.58E+08		-0.41647	-3.03887	0.002748	0.736145
cg110095							
96	chr17	8113758	PIK3R5	-0.29345	-3.03779	0.002758	0.736145
cg042418			NAT1;PCM1;SLC				
63	chr8	18067331	7A2	0.458693	3.049922	0.002654	0.730504
cg115630							
74	chr7	73723905		-0.33672	-3.03754	0.00276	0.736145
cg005036							
46	chr7	1.12E+08		0.415629	3.048968	0.002662	0.730504
cg000703							
70	chr15	83439027		0.300961	3.051074	0.002644	0.730504
cg094728							
21	chr4	4405913		0.209379	3.051122	0.002644	0.730504
cg026620							
03	chr5	19988018		0.511529	3.037107	0.002763	0.736145
cg076458							
44	chr8	26722635		0.33742	3.041766	0.002723	0.734375
cg021755							
03	chr12	58329896		0.364602	3.038797	0.002749	0.736145
cg194988							
44	chr21	46707878		-0.25127	-3.04766	0.002673	0.730504
cg188976							
32	chr2	5836231		0.503966	3.036467	0.002769	0.7365
cg247203							
55	chr1	1.2E+08		0.417588	3.037677	0.002759	0.736145
cg059229							
25	chr14	1.06E+08		-0.25381	-3.0389	0.002748	0.736145



cg132232							
76	chr1	6211176	-0.37535	-3.04057	0.002734	0.735762	
cg059213							
16	chr13	25690906	-0.30139	-3.03236	0.002805	0.739262	
cg148141							
95	chr6	1313485	-0.37579	-3.03055	0.002821	0.739262	
cg101421							
89	chr11	33183151	0.230524	3.048924	0.002662	0.730504	
cg035048							
65	chr4	1.08E+08	0.380899	3.04976	0.002655	0.730504	
cg223305							
33	chr22	50173996	-0.32434	-3.03196	0.002809	0.739262	
cg042506							
08	chr1	1.2E+08	-0.38327	-3.04749	0.002675	0.730504	
cg111055							
85	chr21	45759228	0.241129	3.069155	0.002497	0.725673	
cg040492							
03	chr22	44291664	-0.28927	-3.04577	0.002689	0.730531	
cg081983							
77	chr14	51707975	0.451605	3.037287	0.002762	0.736145	
cg098585							
83	chr1	2.48E+08	0.386969	3.027975	0.002844	0.74079	
cg183926							
04	chr14	1.01E+08	0.511843	3.031619	0.002812	0.739262	
cg147371							
25	chr2	2.37E+08	-0.33613	-3.02918	0.002833	0.739757	
cg036518							
52	chr6	52285170	-0.20181	-3.0357	0.002776	0.73737	
cg168373							
26	chr11	1.02E+08	0.318977	3.030612	0.00282	0.739262	
cg000823							
10	chr3	1.72E+08	0.463942	3.055568	0.002607	0.727412	
cg127576							
84	chr6	1.44E+08	-0.37274	-3.05359	0.002624	0.729587	
cg077552							
03	chr2	1.5E+08	0.428273	3.045067	0.002695	0.730928	
cg047141							
10	chr10	21799143	0.361157	3.038787	0.002749	0.736145	
cg106312							
62	chr19	17666381	-0.30786	-3.03192	0.002809	0.739262	
cg091700							
51	chr1	19229061	0.189501	3.043985	0.002704	0.732137	
cg051075							
35	chr16	3242850	0.663287	3.02238	0.002894	0.74079	
cg237783							
58	chr6	30131749	0.46292	3.038932	0.002748	0.736145	
cg212464							
31	chr3	1.42E+08	-0.26327	-3.0466	0.002682	0.730504	
cg221392							
71	chr8	11725596	-0.22916	-3.03461	0.002785	0.738053	

cg207848						
41	chr1	1.97E+08	0.474539	3.035437	0.002778	0.737514
cg265053						
19	chr6	14408336	0.367049	3.032632	0.002803	0.739262
cg124429						
02	chr4	7427446	0.629377	3.034846	0.002783	0.737969
cg113147						
48	chr19	56985323 ZNF667-AS1	-0.37062	-3.03835	0.002753	0.736145
cg193737						
60	chr1	2.48E+08 ZNF496	-0.45403	-3.03347	0.002795	0.739262
cg173832						
36	chr7	1E+08	0.277327	3.027399	0.002849	0.74079
cg199142						
38	chr2	1.13E+08	-0.31608	-3.02501	0.00287	0.74079
cg093366						
28	chr7	1.43E+08	0.300266	3.027901	0.002845	0.74079
cg042205						
79	chr7	915756 ZFAND2A	0.285425	3.025604	0.002865	0.74079
cg262159						
82	chr12	4915878 RAD51AP1	-0.42649	-3.02698	0.002853	0.74079
cg070569						
62	chr6	99962757	-0.44799	-3.03873	0.002749	0.736145
cg201494						
31	chr10	3168685	0.329977	3.022441	0.002894	0.74079
cg120482						
53	chr19	4954627	-0.33007	-3.02958	0.00283	0.739514
cg145103						
71	chr2	1.22E+08	-0.33721	-3.02997	0.002826	0.739262
cg126087						
75	chr11	8680517	0.322526	3.035192	0.00278	0.737623
cg158117						
53	chr2	65454775	-0.21582	-3.04343	0.002709	0.73284
cg051976						
90	chr15	85197812 GOLGA2P7	-0.24623	-3.0256	0.002865	0.74079
cg163030						
61	chr12	54974116	-0.32539	-3.03062	0.00282	0.739262
cg002647						
54	chr11	40136810	-0.5153	-3.03614	0.002772	0.736802
cg221120						
35	chr11	70002414 CTTN	-0.63754	-3.03807	0.002755	0.736145
cg045766						
07	chr1	2.36E+08	0.384553	3.018486	0.00293	0.743739
cg033398						
54	chr16	9797401	-0.45312	-3.03151	0.002813	0.739262
cg160357						
35	chr7	1.5E+08	0.253545	3.030107	0.002825	0.739262
cg263851						
72	chr12	1.15E+08 AS1	0.374785	3.046259	0.002685	0.730504

cg174055							
86	chr12	53074257	-0.3154	-3.02527	0.002868	0.74079	
cg254737							
94	chr11	77921181	0.371755	3.033961	0.002791	0.738814	
cg214839							
29	chr13	20392406	0.50449	3.025307	0.002868	0.74079	
cg042530							
37	chr7	44614489	-0.33364	-3.02039	0.002912	0.742786	
cg004555							
26	chr7	28996196 WIPF3	0.44577	3.040899	0.002731	0.735453	
cg019909							
97	chr3	42977777	0.618824	3.026819	0.002854	0.74079	
cg105204							
05	chr10	820509	-0.43369	-3.02754	0.002848	0.74079	
cg241823							
33	chr10	73610570	0.33595	3.01717	0.002942	0.743739	
cg169376							
11	chr14	95048102 PRIMA1	-0.3752	-3.03077	0.002819	0.739262	
cg107395							
28	chr7	5229821	-0.20986	-3.02239	0.002894	0.74079	
cg137401							
87	chr1	1.54E+08 SLC50A1;INTS3	-0.39485	-3.04021	0.002737	0.736123	
cg053372							
28	chr11	70419071	-0.34507	-3.03224	0.002806	0.739262	
cg070157							
75	chr1	86174125	-0.21734	-3.03884	0.002748	0.736145	
cg072702							
89	chr7	93207872	0.940999	3.048238	0.002668	0.730504	
cg200472							
30	chr16	19535092	0.401019	3.023562	0.002884	0.74079	
cg213359							
58	chr15	41254710	-0.33012	-3.0183	0.002931	0.743739	
cg119179							
68	chr6	1.69E+08	0.42833	3.028023	0.002843	0.74079	
cg134427		PPP1R26-					
28	chr9	1.39E+08 AS1;C9orf173	0.274422	3.023432	0.002885	0.74079	
cg082719							
96	chr1	62739132	-0.32434	-3.03051	0.002821	0.739262	
cg147743							
05	chr5	1.37E+08	0.318205	3.030993	0.002817	0.739262	
ch.7.1634							
74F	chr7	3469498	-0.39071	-3.01654	0.002948	0.743739	
cg108968							
27	chr4	1.87E+08	0.46765	3.016355	0.002949	0.743739	
cg150980							
77	chr1	34642000	-0.36576	-3.01447	0.002967	0.743798	
cg052466		TMEM173;SLC23					
45	chr5	1.38E+08 A1	-0.26716	-3.02406	0.002879	0.74079	

cg235992							
29	chr17	7230234		0.321955	3.030116	0.002825	0.739262
cg054465			ENSG000002720				
39	chr8	976072	05	-0.46493	-3.0213	0.002904	0.741937
cg190774							
94	chr2	1.59E+08		0.361437	3.022241	0.002895	0.74079
cg082289							
17	chr13	40177062		-0.25912	-3.03139	0.002814	0.739262
cg200626							
91	chr1	949392		0.340113	3.016376	0.002949	0.743739
cg174110			ATP11A;ADPRHL				
31	chr13	1.13E+08	1;LAMP1	0.317004	3.020371	0.002913	0.742786
cg179448							
85	chr19	12225735		-0.38507	-3.01226	0.002987	0.743798
cg180658							
11	chr4	1.86E+08		0.374648	3.009668	0.003012	0.743798
ch.18.844							
464R	chr18	43853776		0.492692	3.02232	0.002895	0.74079
cg105236							
96	chr4	106750		0.329209	3.037017	0.002764	0.736145
cg084838							
34	chr6	33248239	ZBTB9	0.297012	3.032724	0.002802	0.739262
cg269333							
59	chr14	20937370		0.400198	3.022834	0.00289	0.74079
cg167286							
16	chr21	35747582		-0.20199	-3.02306	0.002888	0.74079
cg169713							
80	chr15	48483080		0.441391	3.01658	0.002947	0.743739
cg138985							
48	chr5	1.77E+08		-0.22442	-3.0112	0.002997	0.743798
cg011110							
06	chr6	11161658	TFAP2A	-0.50895	-3.01848	0.00293	0.743739
cg041943							
41	chr13	96293572		0.54218	3.019415	0.002921	0.743739
cg265164							
99	chr6	32149183	PPT2-EGFL8	0.283002	3.014146	0.00297	0.743798
cg158850			NDNL2;WHAMM				
43	chr15	29383103	P2	-0.27575	-3.01462	0.002965	0.743798
cg066150							
40	chr1	85156266		-0.28245	-3.0139	0.002972	0.743798
cg057129							
03	chr5	1.79E+08		-0.3379	-3.01774	0.002937	0.743739
cg167198							
10	chr8	865742		-0.27791	-3.01346	0.002976	0.743798
cg028357							
34	chr2	28974942		-0.34014	-3.02363	0.002883	0.74079
cg216783							
12	chr12	71314587		0.372437	3.010563	0.003003	0.743798

cg174206							
59	chr11	1.08E+08		0.469196	3.019832	0.002917	0.743584
cg036399							
19	chr7	44191311		0.279125	3.021634	0.002901	0.741609
cg071283							
30	chr12	2921958		-0.29154	-3.02639	0.002858	0.74079
cg006326							
57	chr10	27703336		0.506016	3.013479	0.002976	0.743798
cg090707							
60	chr17	5412948		0.300144	3.014431	0.002967	0.743798
cg227453							
55	chr7	2623374	CHST12;BRAT1	0.375502	3.022177	0.002896	0.74079
cg066026							
01	chr8	67977437		-0.31019	-3.02948	0.002831	0.739514
cg137620							
82	chr5	31640096		-0.37464	-3.01723	0.002941	0.743739

			LRRC27;TTC40;K				
cg077876			NDC1;INPP5A;T				
66	chr10	1.35E+08	UBGCP2	-0.34491	-3.02654	0.002857	0.74079
cg024546							
36	chr16	87885301		0.240341	3.026862	0.002854	0.74079
cg055364							
39	chr10	1.35E+08		0.335945	3.025136	0.002869	0.74079
cg045471							
70	chr19	4670527		-0.36715	-3.02319	0.002887	0.74079
cg228249							
98	chr19	46974972	PNMAL1	0.428024	3.015728	0.002955	0.743798
cg068003							
21	chr11	67211054		-0.21952	-3.02428	0.002877	0.74079
cg145865							
55	chr19	3273583		-0.35333	-3.01217	0.002988	0.743798
cg219054							
37	chr5	1.78E+08		0.587356	3.009303	0.003015	0.743798
cg257083							
28	chr2	1.77E+08		0.431705	3.016807	0.002945	0.743739
cg148643							
52	chr8	1041611		-0.28327	-3.03389	0.002792	0.738814
cg120526							
61	chr9	1.41E+08		0.321124	3.009687	0.003011	0.743798
cg091600							
20	chr5	72740748		0.379719	3.022505	0.002893	0.74079
cg248130							
38	chr4	85404026		0.377051	3.010785	0.003001	0.743798
cg110117							
59	chr15	56758270		0.460138	3.019279	0.002922	0.743739
cg023817							
51	chr2	32503542		0.428586	3.012425	0.002986	0.743798

cg04156369	chr1	1.02E+08		0.216266	3.006777	0.003039	0.743798
cg10182244	chr14	1.03E+08		-0.31608	-3.01545	0.002958	0.743798
cg02932669	chr13	1.02E+08		0.330724	3.006592	0.003041	0.743798
cg02362686	chr1	1.51E+08		-0.17446	-3.01387	0.002972	0.743798
cg19844325	chr19	18314808		-0.17671	-3.00247	0.00308	0.743798
cg01109574	chr2	36824259		0.470433	3.017714	0.002937	0.743739
cg09449927	chr3	65983019		-0.46653	-3.00993	0.003009	0.743798
cg00301018	chr16	352599		0.312365	3.017838	0.002936	0.743739
cg26114457	chr1	1.58E+08		-0.36328	-3.02425	0.002877	0.74079
cg23954057	chr6	1.64E+08		0.45443	3.004977	0.003056	0.743798
cg07023208	chr6	32797253	HLA-DMA;PSMB9	0.576321	3.005945	0.003047	0.743798
cg23093090	chr10	1.05E+08	ARL3;CNNM2;SH3PXD2A;C10orf95;LDB1;GBF1;KC NIP2;TRIM8	0.51981	3.014095	0.00297	0.743798
cg08969922	chr8	1.46E+08		-0.51461	-3.0066	0.003041	0.743798
cg10580282	chr3	50340564		-0.23682	-3.0176	0.002938	0.743739
cg25765027	chr8	46940943		0.344811	3.005527	0.003051	0.743798
cg07200897	chr3	1.23E+08		-0.34526	-3.00312	0.003074	0.743798
cg20659025	chr11	1.26E+08		-0.21126	-3.0154	0.002958	0.743798
cg17782000	chr19	18303124		0.465748	3.008574	0.003022	0.743798
cg15032638	chr10	51565035		-0.54391	-3.00221	0.003083	0.743798
cg25568561	chr14	1.02E+08		-0.43912	-3.01666	0.002947	0.743739
cg17108064	chr15	78857060		0.442324	3.013048	0.00298	0.743798
cg17522601	chr12	1.33E+08		0.443765	3.009967	0.003009	0.743798

cg10210369	chr15	90197924		0.43647	3.009673	0.003012	0.743798
cg03408920	chr4	1.44E+08		-0.26349	-3.00549	0.003051	0.743798
cg01435791	chr19	4585323		-0.28749	-3.00721	0.003035	0.743798
cg01963976	chr14	21498561		0.271924	3.018763	0.002927	0.743739
cg01924372	chr16	28309935	ENSG00000260908;KIAA0556	0.372094	3.00831	0.003024	0.743798
cg24487784	chr11	696252	TMEM80	-0.23461	-3.02237	0.002894	0.74079
cg16037062	chr1	2.04E+08	NFASC	-0.26197	-3.00442	0.003061	0.743798
cg13078847	chr4	3664401	ADD1	-0.44895	-3.01023	0.003006	0.743798
cg09002677	chr17	5999		-0.48441	-3.0038	0.003067	0.743798
cg07484849	chr19	12886986		0.31141	3.006077	0.003046	0.743798
cg26224473	chr7	9672879		-0.46502	-3.00072	0.003097	0.743798
cg02426623	chr12	3259078	CACNA1C-AS4;PRMT8;TULP3;CACNA1C;TSPAN9;CACNA1C-IT3	-0.45049	-3.00459	0.00306	0.743798
cg19143211	chr6	1.24E+08		-0.50765	-3.00802	0.003027	0.743798
cg03402922	chr11	68134331		0.251034	2.999898	0.003105	0.743798
cg26288160	chr1	1.51E+08		0.303371	3.005957	0.003047	0.743798
cg09028899	chr13	1.15E+08		0.386701	3.023828	0.002881	0.74079
cg17409809	chr5	1667128		-0.36898	-3.01208	0.002989	0.743798
cg03759236	chr15	68891950	CORO2B	-0.32185	-3.00652	0.003041	0.743798
cg25353171	chr8	9755804		0.451556	2.995712	0.003146	0.743798
cg13728394	chr3	44115791		-0.2863	-2.99567	0.003146	0.743798
cg25821304	chr17	29297824		-0.41785	-3.00049	0.003099	0.743798

		IRX3;RPGRIP1L;F					
cg266816			TO;FTO-				
28	chr16	54210550	IT1;CRNDE	0.459009	3.007471	0.003032	0.743798
cg182392							
53	chr20	238156		0.441234	2.995791	0.003145	0.743798
cg267893							
19	chr5	60995472		-0.29328	-2.99644	0.003139	0.743798
cg053181							
69	chr6	33255475	DAXX	0.226288	3.003793	0.003067	0.743798
cg055707							
39	chr16	89757371		-0.28018	-3.00401	0.003065	0.743798
cg242964							
52	chr19	50666538		0.617367	3.00438	0.003062	0.743798
cg069490							
81	chr1	51435859		0.311215	3.011718	0.002992	0.743798
cg019078							
37	chr6	37321337		0.405655	3.001359	0.003091	0.743798
cg248883							
52	chr10	2908597		-0.43479	-3.00237	0.003081	0.743798
cg200215							
70	chr14	1.01E+08		-0.39444	-2.99913	0.003112	0.743798
cg265254			PIK3IP1;RNF185;				
86	chr22	32146186	PATZ1	-0.22227	-3.00499	0.003056	0.743798
cg007909							
16	chr22	42080705		-0.38158	-2.99197	0.003183	0.747415
cg001078							
90	chr15	71492746	UACA	0.282994	3.00139	0.00309	0.743798
cg046986							
50	chr16	57760170		-0.36732	-3.02036	0.002913	0.742786
cg112186							
19	chr3	1.97E+08		0.586832	2.994081	0.003162	0.745383
cg243549							
24	chr6	33288680		0.440212	2.997454	0.003129	0.743798
cg141264							
61	chr19	44144585	LYPD3;KCNN4	-0.31105	-3.00901	0.003018	0.743798
cg236013							
76	chr2	40678101		0.386673	2.997424	0.003129	0.743798
cg125060							
13	chr19	14991752	ASF1B	-0.37151	-3.00297	0.003075	0.743798
cg160658							
99	chr11	44332958		0.280094	2.994178	0.003161	0.745383
cg156905							
25	chr8	68864964		-0.33051	-2.9985	0.003118	0.743798
cg009667							
49	chr8	1.42E+08		-0.29741	-3.01324	0.002978	0.743798
cg105194							
60	chr12	1.31E+08		-0.34177	-3.00609	0.003045	0.743798



cg106132							
52	chr2	10953011		-0.23263	-2.99855	0.003118	0.743798
			SLFN12L;ENSG00				
cg160655			000267046;ENS				
38	chr17	32964615	G00000255987	0.438887	2.994451	0.003158	0.745383
cg159918							
62	chr12	1.11E+08		-0.21336	-3.00457	0.00306	0.743798
cg037815							
05	chr17	16310359		0.327723	3.015878	0.002954	0.743798
cg267550							
83	chr2	1.53E+08		0.368883	3.005271	0.003053	0.743798
cg271825							
55	chr4	83821584		-0.29889	-2.9962	0.003141	0.743798
cg159629							
65	chr12	1.33E+08		-0.2816	-3.00398	0.003066	0.743798
cg066027							
23	chr17	46693336		0.302335	3.000223	0.003102	0.743798
cg027091							
67	chr1	31996811		-0.77648	-2.9963	0.00314	0.743798
cg167312							
40	chr19	52391250		0.689514	2.992119	0.003181	0.747415
cg055337							
23	chr15	31441236	FAN1	0.280745	2.989143	0.003211	0.748788
cg200600							
80	chr15	44063940	SERF2	-0.30523	-3.00054	0.003099	0.743798
cg076972							
01	chr16	12853189		-0.40354	-3.00288	0.003076	0.743798
cg072034							
23	chr2	74743009		0.651655	2.998488	0.003119	0.743798
cg029260							
33	chr7	1.55E+08		-0.31282	-3.00015	0.003102	0.743798
cg101867							
68	chr16	3613274		-0.2533	-3.00085	0.003096	0.743798
cg144193							
10	chr9	85677330		0.40537	2.995513	0.003148	0.743798
cg068908							
90	chr7	1.56E+08	SHH	-0.39417	-2.99624	0.003141	0.743798
cg045501							
03	chr2	2.35E+08		0.305396	3.003004	0.003075	0.743798
cg091150							
26	chr6	84232241		-0.42045	-3.01183	0.002991	0.743798
cg177605							
71	chr5	74062831		-0.37315	-2.99704	0.003133	0.743798
cg174303							
93	chr2	17722068		-0.36199	-3.01067	0.003002	0.743798
cg089494							
08	chr10	16562470		0.317523	3.004991	0.003056	0.743798

cg205398							
16	chr17	5988249		-0.48212	-3.00062	0.003098	0.743798
cg260038			ENSG000002615				
13	chr16	23689802	28	0.289419	3.006835	0.003038	0.743798
cg205781							
59	chr12	1.14E+08		-0.20728	-2.99897	0.003114	0.743798
cg164967							
50	chr12	1.06E+08		-0.22891	-2.99415	0.003161	0.745383
cg183421							
96	chr19	12402933		0.336871	3.000505	0.003099	0.743798
cg258897							
11	chr10	1.02E+08		0.407349	2.998438	0.003119	0.743798
cg232872							
22	chr1	6845431		-0.22548	-2.99751	0.003128	0.743798
cg101492			ZNF134;ZNF671;				
25	chr19	58521273	ZIK1	0.483567	2.988912	0.003213	0.748788
cg223786							
14	chr19	10981704		0.21616	3.00564	0.00305	0.743798
ch.2.6569							
2908F	chr2	65839404		-0.42845	-2.9979	0.003124	0.743798
cg004894							
01	chr5	1.8E+08		0.462716	2.99216	0.003181	0.747415
cg276137							
49	chr6	25756473		-0.37562	-2.99875	0.003116	0.743798
cg069865							
43	chr20	60942666		-0.34408	-2.98608	0.003241	0.750847
cg154632							
80	chr11	96450386		0.420094	2.988429	0.003218	0.749503
cg112088							
69	chr5	1.54E+08		0.382962	3.009114	0.003017	0.743798
cg235263							
53	chr4	1E+08		-0.26355	-2.99177	0.003184	0.747466
cg156291							
34	chr6	43027399		-0.21906	-2.99197	0.003182	0.747415
cg146659							
65	chr5	1.35E+08	H2AFY	0.307023	2.99751	0.003128	0.743798
cg224522							
30	chr15	69754698		0.345283	2.997814	0.003125	0.743798
cg246578							
17	chr4	42153708		0.28757	2.985513	0.003247	0.750847
cg148485							
94	chr1	2.2E+08		0.343161	2.989472	0.003207	0.748788
cg205474							
07	chr7	1.55E+08		0.425848	2.990582	0.003196	0.748584
cg215222							
54	chr12	27175280		-0.29391	-3.01144	0.002995	0.743798
cg093447							
40	chr14	67995755		-0.27794	-2.98549	0.003247	0.750847

cg009945							
83	chr17	36613498		0.215133	2.991532	0.003187	0.747604
cg256440							
95	chr19	3030324		-0.35878	-2.9925	0.003177	0.747415
cg251625							
33	chr17	81032067		-0.32032	-2.98159	0.003287	0.750954
cg254628							
42	chr5	1.79E+08		0.387478	3.002127	0.003083	0.743798
cg026870							
67	chr5	1.54E+08		0.201384	2.989488	0.003207	0.748788
cg125532							
23	chr20	55044302		-0.45167	-2.99135	0.003189	0.74761

cg276490			DMTN;NPM2;SO				
89	chr8	22436424	RBS3;SLC39A14	-0.27005	-2.9874	0.003228	0.750685
cg096465							
93	chr4	1.26E+08		0.410376	2.996411	0.003139	0.743798
cg203254							
54	chr2	74078577	ALMS1;FBXO41	0.311438	2.999119	0.003112	0.743798
cg236807							
87	chr14	1.05E+08		-0.35971	-2.98228	0.00328	0.750847
cg006293							
70	chr12	28123081		-0.23454	-2.99547	0.003148	0.743798
cg037053			ENSG000002541				
46	chr8	37962920	11	-0.20224	-2.99867	0.003117	0.743798
cg234096							
08	chr8	1.29E+08		-0.21894	-3.00061	0.003098	0.743798
cg176634							
06	chr10	88022641		0.326013	2.99203	0.003182	0.747415
cg083670			ENSG000002720				
69	chr2	36565096	54	-0.4822	-2.9863	0.003239	0.750847
cg095410							
00	chr20	42143489		0.302639	2.988963	0.003212	0.748788
cg233975							
71	chr11	6440463		-0.22506	-2.99065	0.003196	0.748584
cg141429							
65	chr12	1.05E+08		-0.31399	-2.98397	0.003263	0.750847
cg220680							
44	chr9	1.4E+08		-0.21552	-2.98624	0.00324	0.750847
cg053429							
45	chr12	48394962		0.389507	2.997016	0.003133	0.743798
cg037186							
55	chr16	5008289		-0.19567	-2.98746	0.003227	0.750685
ch.6.1509							
1466F	chr6	14983487		-0.57783	-2.97974	0.003306	0.751685
cg162842							
38	chr6	87196595		-0.425	-2.98788	0.003223	0.75037
cg119050							
07	chr3	62861071		0.461375	2.990264	0.003199	0.748774

cg170366							
54	chr5	1.27E+08		-0.2742	-2.97712	0.003333	0.751756
cg016795							
28	chr6	10430966		-0.29551	-2.98164	0.003286	0.750954
cg037176							
16	chr9	1.39E+08		-0.28858	-2.98321	0.00327	0.750847
cg133623							
20	chr15	1.01E+08		0.415521	2.982695	0.003276	0.750847
			ENSG000002252				
cg239323			65;FAM177B;M				
32	chr1	2.22E+08	ARC2;DUSP10	0.528835	3.003801	0.003067	0.743798
cg157418			CAPN14;ENSG00				
55	chr2	31440451	000235997	-0.67834	-2.98316	0.003271	0.750847
cg033772							
86	chr10	5781747		-0.3135	-2.98257	0.003277	0.750847
cg157274							
24	chr6	32016100	HLA-C;PSMB8	0.471797	2.986277	0.003239	0.750847
cg261469							
88	chr14	1.02E+08		-0.30681	-2.98309	0.003272	0.750847
cg155241							
73	chr19	40854170		-0.22288	-2.98656	0.003236	0.750847
cg108492							
89	chr21	46087249		-0.50366	-2.98987	0.003203	0.748788
cg110748							
14	chr11	43601969		0.336117	2.975554	0.003349	0.752954
cg112303							
63	chr10	72039764		-0.49078	-2.97539	0.003351	0.752954
cg193120			TFB2M;NLRP3;Z				
85	chr1	2.48E+08	NF124	0.519585	2.981331	0.003289	0.75106
ch.3.1112							
380F	chr3	51439951		0.478026	2.978906	0.003314	0.751685
cg079502							
20	chr16	87046552		0.428457	2.98277	0.003275	0.750847
cg066881							
82	chr11	1.26E+08		-0.55685	-2.98292	0.003273	0.750847
cg184513							
10	chr22	42017231		0.323191	2.989156	0.00321	0.748788
cg157896							
07	chr19	4769690		0.385397	2.978018	0.003323	0.751756
cg014666							
31	chr17	1094369		-0.48741	-2.98099	0.003293	0.751445
cg214985							
47	chr8	1651128		-3.96797	-2.9668	0.003441	0.753539

		TNRC6C;ENSG0000178404;C1QTNF1;SYNGR2;ENSG0000026749					
cg20398362	chr17	76228626	1;TIMP2;CYTH1	0.210278	2.984064	0.003262	0.750847
cg09350548	chr16	77270312		0.455098	2.983409	0.003268	0.750847
cg05512100	chr7	32109997		0.440339	2.983051	0.003272	0.750847
cg25839023	chr3	22414349		0.393	2.97718	0.003332	0.751756
cg22658451	chr6	1.17E+08		0.429209	2.985569	0.003246	0.750847
cg27327357	chr16	31128929		-0.24349	-2.97995	0.003304	0.751685
cg10093833	chr1	17942618		0.283638	2.986194	0.00324	0.750847
cg01589412	chr2	62133120		-0.25009	-2.98211	0.003281	0.750847
cg18292664	chr11	20181877	ENSG00000255160	0.610753	2.984637	0.003256	0.750847
cg01936220	chr13	1.15E+08	GAS6	-0.47755	-2.97816	0.003322	0.751756
cg22104487	chr8	42010424		0.257017	2.984448	0.003258	0.750847
cg11957400	chr12	2017093		0.596348	2.985191	0.00325	0.750847
cg24680979	chr2	85788672		0.208558	2.978622	0.003317	0.751685
cg22131452	chr12	1.32E+08		-0.2113	-2.97287	0.003377	0.753082
cg15632839	chr1	2.3E+08		-0.43754	-2.97596	0.003345	0.752954
cg16818145	chr3	1.83E+08		0.378125	2.97882	0.003315	0.751685
cg14173258	chr6	28832474	ZKSCAN8	0.343467	2.984719	0.003255	0.750847
cg03347632	chr1	2.3E+08		0.68607	2.973611	0.003369	0.753082
cg23789054	chr6	28832537		0.456451	2.978489	0.003319	0.751685
		WDR35;SDC1;C2orf43;HS1BP3					
cg00160478	chr2	20739356		-0.35312	-2.97575	0.003347	0.752954

cg028880							
48	chr7	98335163		0.424128	2.979028	0.003313	0.751685
cg092957							
99	chr6	5994235		0.466884	2.970711	0.003399	0.753539
cg117895							
30	chr4	8429930		-0.24528	-2.98274	0.003275	0.750847
cg231933							
20	chr3	11608514		0.478612	2.996516	0.003138	0.743798
cg234751							
12	chr5	1.32E+08		-0.71895	-2.97748	0.003329	0.751756
cg060629							
84	chr3	22413960		0.590252	2.980763	0.003295	0.751582
cg229416							
46	chr1	2.36E+08		0.417794	2.980167	0.003301	0.751685
cg229155							
34	chr4	8160569		0.159387	2.992149	0.003181	0.747415
cg083208							
61	chr6	33095982		-0.22499	-2.97895	0.003314	0.751685
cg033745							
59	chr17	79604375	SECTM1	-0.24067	-2.98242	0.003278	0.750847
cg204539							
69	chr10	27541301		0.352041	2.978915	0.003314	0.751685
cg261570							
31	chr11	1.02E+08		-0.44844	-2.97334	0.003372	0.753082
cg029377							
76	chr14	70826572		0.268722	2.97424	0.003363	0.753082
cg025230			SNORA12;LINCO				
18	chr10	1.02E+08	0263	-0.28842	-2.97336	0.003372	0.753082
cg225230							
72	chr1	2.48E+08		0.646901	2.974716	0.003358	0.753082
cg171048							
24	chr2	1.77E+08		0.285943	2.990148	0.003201	0.748774
cg255726							
95	chr12	1.32E+08		-0.36098	-2.97389	0.003366	0.753082
cg080205							
74	chr16	89557182		-0.20564	-2.97888	0.003314	0.751685
cg144609							
53	chr17	7835493		0.195515	3.005199	0.003054	0.743798
cg066780							
05	chr10	1.3E+08		-0.27421	-2.97569	0.003347	0.752954
cg141171							
80	chr9	95858233		0.291226	2.969689	0.00341	0.753539
cg139177							
12	chr19	38714681		-0.2206	-2.97279	0.003378	0.753082
cg012260							
29	chr4	8588929		-0.30516	-2.98547	0.003247	0.750847
cg050621							
79	chr17	76987630		0.360308	2.981549	0.003287	0.750954

cg114692						
85	chr4	1.01E+08	-0.28939	-2.96943	0.003413	0.753539
cg216575						
77	chr19	52956622 ZNF415	0.334035	2.967227	0.003436	0.753539
cg204635						
33	chr10	1.35E+08 ECHS1	0.40555	2.973352	0.003372	0.753082
cg220189						
67	chr1	16073520	-0.33392	-2.97183	0.003388	0.753082
cg192418						
31	chr2	26782726	-0.32636	-2.97024	0.003404	0.753539
cg162451						
11	chr14	96750514	-0.40668	-2.97521	0.003352	0.752968
cg006746						
79	chr2	1.77E+08	0.453365	2.968363	0.003424	0.753539
cg190313						
74	chr3	49591752	-0.21247	-2.97211	0.003385	0.753082
cg020710						
05	chr2	1.75E+08	0.528316	2.966788	0.003441	0.753539
cg196265						
46	chr15	89074512	0.291094	2.97231	0.003383	0.753082
cg160732						
36	chr7	1.08E+08	-0.50204	-2.9648	0.003462	0.753539
cg051201						
56	chr1	2.28E+08	0.28714	2.971452	0.003392	0.753082
cg180533						
83	chr12	29285982	-0.43728	-2.96879	0.00342	0.753539
cg121576						
73	chr19	52996617	0.495498	2.967983	0.003428	0.753539
cg007509						
17	chr8	1.4E+08	-0.31947	-2.96496	0.00346	0.753539
cg057115						
42	chr1	90460799	0.229958	2.967824	0.00343	0.753539
cg146196						
40	chr6	30585541	-0.21625	-2.97051	0.003402	0.753539
cg029401						
47	chr11	1.25E+08 ROBO3	0.563231	2.969526	0.003412	0.753539
cg064982						
67	chr5	45695922	0.51162	2.961893	0.003493	0.753539
cg275910						
53	chr5	1.81E+08	-0.23084	-2.97746	0.003329	0.751756
cg008378						
12	chr7	1.39E+08	0.450207	2.96532	0.003457	0.753539
cg194460						
77	chr3	1.72E+08	0.344239	2.974645	0.003358	0.753082
cg030680						
30	chr22	46688823	0.329051	2.972486	0.003381	0.753082

			SUN1;HEATR2;F AM20C;PDGFA;P					
cg202213	81	chr7	857981	RKAR1B	-0.62762	-2.96593	0.00345	0.753539
cg078560	71	chr5	15928114		-0.44273	-2.97997	0.003303	0.751685
cg236439	80	chr6	37592975		-0.22987	-2.97741	0.00333	0.751756
cg079139	99	chr7	99613796		-0.23392	-2.97155	0.003391	0.753082
cg004370	48	chr10	3162191		0.501873	2.967714	0.003431	0.753539
cg222156	31	chr3	1.47E+08		0.351062	2.963014	0.003481	0.753539
cg125843	55	chr7	1.01E+08		0.224113	2.963818	0.003473	0.753539
cg189281	53	chr9	37030203		-0.38712	-2.96633	0.003446	0.753539
cg177030	48	chr11	1.34E+08	JAM3	-0.53586	-2.97993	0.003304	0.751685
cg071752	55	chr10	1.31E+08		0.621254	2.960953	0.003503	0.753539
cg276468	48	chr11	62389601		-0.20442	-2.97202	0.003386	0.753082
cg092114	94	chr2	2.25E+08		-0.34336	-2.97319	0.003373	0.753082
cg222260	91	chr18	43684032		0.358263	2.976231	0.003342	0.752954
cg211601	05	chr20	62384326		-0.36928	-2.96632	0.003446	0.753539
cg211173	30	chr5	1.41E+08		0.504275	2.966195	0.003447	0.753539
cg006987	71	chr1	1.13E+08		0.781823	2.964358	0.003467	0.753539
cg020234	02	chr7	82100675		0.323213	2.970412	0.003403	0.753539
cg211643	03	chr15	79603277		-0.33952	-2.9649	0.003461	0.753539
cg130243	89	chr5	1.54E+08		0.305437	2.970247	0.003404	0.753539
cg206954	33	chr19	30019102		0.389882	2.963927	0.003471	0.753539
cg046112	03	chr20	2781438		0.327777	2.960834	0.003505	0.753539
cg240826	80	chr1	63249199		0.744092	2.962045	0.003492	0.753539
cg220994	04	chr17	4458623		-0.20796	-2.9679	0.003429	0.753539



cg035711							
21	chr11	2832861		-0.30408	-2.9624	0.003488	0.753539
cg140587							
74	chr5	3286025		-0.39771	-2.96123	0.003501	0.753539
cg104421							
57	chr11	61284134		-0.34383	-2.97161	0.00339	0.753082
cg133579							
03	chr1	2.23E+08		0.303191	2.959896	0.003515	0.754746
cg204760							
21	chr11	1.23E+08		0.414077	2.969258	0.003415	0.753539
cg173795							
32	chr9	1.17E+08		0.316728	2.9695	0.003412	0.753539
cg069295							
95	chr16	20085625		0.395806	2.956487	0.003552	0.758341
ch.10.797							
67096R	chr10	80097090		0.336896	2.972926	0.003376	0.753082
cg132910							
04	chr3	47844187		-0.23481	-2.95928	0.003522	0.754937
cg229827							
67	chr22	46454012		-0.35093	-2.96581	0.003451	0.753539
cg199222							
81	chr3	50540680		-0.18081	-2.95983	0.003516	0.754746

			OSBPL3;DFNA5;E				
cg252704			NSG0000026095				
24	chr7	24965657	1;C7orf31;MPP6	0.405714	2.984039	0.003262	0.750847
cg179185							
01	chr2	27717709		0.402244	2.97705	0.003333	0.751756
cg179337							
22	chr1	1.17E+08		0.352516	2.964326	0.003467	0.753539
cg025694							
37	chr6	42947051	CRIP3	-0.17334	-2.96556	0.003454	0.753539
cg103437							
42	chr3	1.37E+08		0.304238	2.953954	0.00358	0.758629
cg045009							
09	chr5	1.59E+08		-0.33604	-2.95189	0.003603	0.760039
cg098634							
41	chr6	87647129		0.313186	2.957918	0.003536	0.756295
cg017683							
85	chr15	22960745		0.269415	2.964542	0.003465	0.753539
cg236808							
21	chr1	1.09E+08	CLCC1	0.51049	2.976923	0.003335	0.751756
cg190420							
13	chr7	68947865		0.363461	2.95307	0.00359	0.760039

			HOXA-				
cg044931			AS2;HOXA3;HOX				
69	chr7	27912112	A5;HOXA2	0.409057	2.960083	0.003513	0.754746

cg256486							
39	chr10	32216910		-0.22796	-2.96568	0.003453	0.753539
cg089322							
56	chr12	1.16E+08		0.632253	2.955209	0.003566	0.758529
cg253826							
52	chr17	3716426		0.407978	2.954663	0.003572	0.758529
cg088545							
82	chr1	45265622		-0.20774	-2.95689	0.003548	0.757811
cg139305							
57	chr9	1.4E+08	ABCA2;NPDC1	0.387154	2.960903	0.003504	0.753539
cg258925							
37	chr4	6611128		-0.39825	-2.96086	0.003504	0.753539
cg266476							
17	chr2	73519343		0.265857	2.961046	0.003502	0.753539
cg081883							
30	chr19	50666484		0.436764	2.951407	0.003608	0.760076
cg123541			FNDC3B;CLDN11				
92	chr3	1.71E+08	;PLD1	-0.45494	-2.96101	0.003503	0.753539
cg169009							
80	chr19	44303058		-0.28682	-2.95926	0.003522	0.754937
cg092757							
83	chr10	77195235		0.30814	2.951249	0.00361	0.760076
cg210286							
33	chr14	60043767		0.475185	2.961309	0.0035	0.753539
cg007839							
16	chr19	12835059		0.256926	2.966976	0.003439	0.753539
cg034242							
46	chr1	38945700		-0.40423	-2.97296	0.003376	0.753082
cg199795							
90	chr15	63011250		-0.41869	-2.94964	0.003628	0.760469
cg022529							
07	chr19	2151887		0.327847	2.957728	0.003539	0.756295
ch.1.4798							
357R	chr1	2.41E+08		-0.37576	-2.96144	0.003498	0.753539
cg180526							
65	chr6	74064140		0.829338	2.952157	0.0036	0.760039
cg075701							
59	chr2	1.28E+08		0.274454	2.962633	0.003485	0.753539
cg002232			ADAMTS9;PRICK				
45	chr3	64307530	LE2	-0.48778	-2.96541	0.003456	0.753539
cg082513							
98	chr19	15490696		-0.21791	-2.95606	0.003557	0.758341
cg163144							
32	chr6	1.59E+08		-0.27085	-2.95242	0.003597	0.760039
cg001326							
16	chr10	63663140		-0.25245	-2.95149	0.003607	0.760076
cg096842							
33	chr2	1.75E+08		0.459036	2.9577	0.003539	0.756295

cg245121							
32	chr1	2.29E+08		-0.22558	-2.95556	0.003562	0.758529
cg243661							
27	chr3	1.13E+08		0.37119	2.962006	0.003492	0.753539
cg138425							
56	chr10	88023243		0.418568	2.952182	0.0036	0.760039
cg236705							
19	chr1	2.06E+08		0.389483	2.974218	0.003363	0.753082
cg178107							
81	chr1	2.01E+08		0.438203	2.945323	0.003676	0.762378
cg169113			ENSG000001758				
49	chr19	10406935	98;ICAM1	0.370016	2.957892	0.003537	0.756295
cg098773							
01	chr6	1.69E+08		-0.42549	-2.94911	0.003634	0.760469
cg232647							
76	chr1	18686650		-0.55583	-2.96542	0.003455	0.753539
cg044036							
29	chr3	1.15E+08		-0.4695	-2.95432	0.003576	0.758529
cg258862							
84	chr19	36909418		0.388997	2.961095	0.003502	0.753539
cg255250							
68	chr15	79589996		0.352696	2.954008	0.003579	0.758629
cg064542							
83	chr8	40552037		-0.28062	-2.96315	0.00348	0.753539
cg233651							
83	chr10	1.03E+08		0.357757	2.948854	0.003637	0.760469
cg157716							
83	chr20	62697566		-0.40333	-2.95004	0.003623	0.760345
cg145851							
67	chr2	709329		0.414933	2.954376	0.003575	0.758529
cg047979							
36	chr12	49659154		-0.22901	-2.96576	0.003452	0.753539
cg013731							
51	chr15	72613029		0.291639	2.968005	0.003428	0.753539
cg204469							
38	chr9	37753072		-0.4285	-2.94678	0.00366	0.760483
cg117927							
86	chr5	14870083		-0.50823	-2.95009	0.003623	0.760345
cg218604							
52	chr15	80189582		0.204549	2.952326	0.003598	0.760039
cg075193			ZNF559;ENSG00				
73	chr19	9650240	000270614	0.228674	2.958974	0.003525	0.755216
cg207373							
82	chr12	56040096		0.624292	2.94619	0.003666	0.761126
cg066357							
22	chr4	13532622		0.319156	2.943064	0.003702	0.763068
cg033101							
67	chr8	1649143		0.468907	2.952213	0.003599	0.760039

cg187004							
28	chr16	3243304		0.418562	2.948371	0.003642	0.760469
cg264071							
46	chr1	19229049		0.243683	2.947698	0.00365	0.760483
cg250984							
97	chr12	13254403		0.196248	2.948148	0.003644	0.760483
cg184881							
57	chr6	29521598		0.649102	2.951843	0.003603	0.760039
cg016146							
01	chr6	82461874		0.267468	2.963508	0.003476	0.753539
cg125281							
15	chr3	1.16E+08 ZBTB20;LSAMP		-0.54523	-2.95476	0.003571	0.758529
cg225393							
56	chr15	87667434		0.542517	2.950015	0.003624	0.760345
cg073923							
07	chr10	81319751 ZCCHC24		-0.33963	-2.95944	0.00352	0.754937
cg039608							
04	chr1	15570129		0.246522	2.954347	0.003576	0.758529
cg055219							
82	chr16	89159988		0.411924	2.950223	0.003621	0.760345
cg013806							
07	chr19	996373 WDR18		0.580462	2.950785	0.003615	0.760345
cg212164							
77	chr12	54440773		0.297411	2.952328	0.003598	0.760039
cg191096							
08	chr10	29698462		-0.59908	-2.94408	0.00369	0.762378
cg215582							
68	chr19	2785419		0.161551	2.954642	0.003572	0.758529
cg200833							
88	chr19	56615895		0.481553	2.942998	0.003703	0.763068
cg058378							
90	chr20	4702538		-0.35506	-2.94707	0.003657	0.760483
cg120385							
18	chr11	1.28E+08		-0.62753	-2.94098	0.003726	0.764333
cg247683							
65	chr12	43944652		0.340822	2.943595	0.003696	0.762773
cg232579							
35	chr1	1.19E+08		0.397081	2.948812	0.003637	0.760469
cg243652							
15	chr20	61315208 MRGBP		-0.32058	-2.9651	0.003459	0.753539
cg075596							
53	chr16	75032477		-0.293	-2.96162	0.003496	0.753539
cg128201							
22	chr11	76156044		0.180492	2.944861	0.003681	0.762378
cg079285							
41	chr7	1.51E+08		-0.21395	-2.94843	0.003641	0.760469
cg200078							
90	chr10	468755		0.322135	2.956019	0.003557	0.758341
cg139976							
45	chr11	15136475		0.452884	2.94693	0.003658	0.760483

cg009339							
24	chr22	36903051		-0.27551	-2.95562	0.003562	0.758529
cg093316							
51	chr16	87100066		-0.43548	-2.94706	0.003657	0.760483
cg082212							
07	chr11	1.25E+08		0.357593	2.944698	0.003683	0.762378
cg061777							
91	chr1	82092210		-0.54746	-2.94749	0.003652	0.760483
cg023814							
68	chr5	1.32E+08		-0.21699	-2.94392	0.003692	0.762378
cg161588							
43	chr3	9595646		0.417246	2.955262	0.003566	0.758529
cg264605							
06	chr16	13874207		-0.35597	-2.96336	0.003478	0.753539
cg081116							
29	chr3	42977953		0.527643	2.948787	0.003637	0.760469
cg139303							
88	chr9	1.34E+08		-0.28131	-2.93773	0.003763	0.764333
cg270832							
84	chr12	60663727		-0.5372	-2.9393	0.003745	0.764333
cg126684							
82	chr8	72987762		0.389497	2.950417	0.003619	0.760345
cg199265							
05	chr6	33239487	SYNGAP1;RGL2	-0.22662	-2.93983	0.003739	0.764333
cg086171							
60	chr19	345312		0.478586	2.945002	0.00368	0.762378
cg138258							
76	chr6	39902443		0.394758	2.946938	0.003658	0.760483
cg019096							
21	chr5	1.77E+08		0.32226	2.939585	0.003742	0.764333
cg215761							
54	chr15	90437891		0.550401	2.942162	0.003712	0.764294
cg201962							
15	chr13	23422801		-0.42158	-2.93818	0.003758	0.764333
cg204770							
84	chr18	76769175		0.342212	2.943363	0.003698	0.76295
cg190309			ENSG000001882				
94	chr5	273394	42	-0.28417	-2.94497	0.00368	0.762378
cg195315							
36	chr14	76873334	TMEM63C	-0.28571	-2.93798	0.00376	0.764333
cg237523							
80	chr4	1.01E+08	ADH4	0.285183	2.938112	0.003759	0.764333
cg061809							
15	chr7	2394179		-0.23663	-2.95601	0.003557	0.758341
cg023971							
79	chr5	9348193		-0.38142	-2.94662	0.003662	0.760491
cg269261							
38	chr4	54960034		0.363942	2.948888	0.003636	0.760469
cg022639							
99	chr15	66994432		-0.30972	-2.93692	0.003772	0.764333

cg206999							
60	chr11	64135904		-0.30049	-2.96172	0.003495	0.753539
cg090029							
19	chr12	50339186		0.4853	2.937725	0.003763	0.764333
cg264142			S100P;AFAP1;CC				
57	chr4	6888038	DC96	0.292008	2.958721	0.003528	0.755429
cg054794							
62	chr5	94986485		0.455291	2.943933	0.003692	0.762378
cg213709							
86	chr7	6145114		0.17212	2.939597	0.003742	0.764333
cg129243							
02	chr5	1.54E+08		0.623089	2.931656	0.003834	0.765667
cg184896							
14	chr14	95027530		-0.28387	-2.93685	0.003773	0.764333
cg230903							
96	chr1	3407936	MMEL1	-0.22158	-2.9417	0.003717	0.764325
cg087154							
65	chr4	7666117		-0.33882	-2.93634	0.003779	0.764816
cg022039							
22	chr6	657011		0.368354	2.97052	0.003401	0.753539
cg040599							
65	chr5	1.79E+08		-0.26836	-2.93713	0.00377	0.764333
cg031990							
14	chr1	2.27E+08		0.42074	2.937459	0.003766	0.764333
cg137820							
90	chr2	2.2E+08		0.504802	2.929031	0.003865	0.765667
cg200370							
88	chr7	999994		-0.26769	-2.93895	0.003749	0.764333
cg265268							
97	chr6	33232433		-0.20277	-2.94447	0.003686	0.762378
cg109963							
68	chr11	1.32E+08		-0.36324	-2.93575	0.003786	0.765274
cg048246							
66	chr21	48085517		-0.47212	-2.93211	0.003828	0.765667
cg141164							
63	chr7	63641507		0.532515	2.929774	0.003856	0.765667
cg266545							
19	chr8	1.43E+08		0.34706	2.949539	0.003629	0.760469
cg174155							
55	chr12	83081389		-0.32136	-2.94168	0.003718	0.764325
cg094920			RAB11A;SMAD6; PTPLAD1;SNAPC				
74	chr15	66263624	5;UBAP1L	-0.31522	-2.94222	0.003711	0.764294

cg189196			EFCAB6;ENSG0000233157;EFCA				
59	chr22	43343084	B6-AS1	0.441977	2.941237	0.003723	0.764333
cg143700							
79	chr22	49935090		-0.28813	-2.94862	0.003639	0.760469
cg250448							
34	chr11	68177524		0.391497	2.925785	0.003903	0.765667

cg100075			ADARB1;LRRC3DN;PCBP3;ENSG0000267857				
34	chr21	46378354	0000267857	0.761436	2.934132	0.003805	0.765667
cg104952							
27	chr16	82970452		-0.38994	-2.94022	0.003734	0.764333
cg114378							
10	chr15	69744829		0.469028	2.931791	0.003832	0.765667
cg056359							
53	chr19	11039152		-0.20561	-2.93145	0.003836	0.765667
cg159617							
44	chr5	1.4E+08		0.397051	2.938193	0.003758	0.764333
cg241291							
77	chr12	1.32E+08		-0.23738	-2.93689	0.003773	0.764333
cg131700							
32	chr1	2.21E+08		0.442729	2.937527	0.003765	0.764333
cg090792							
75	chr5	1.57E+08	MED7	0.443585	2.929654	0.003857	0.765667
cg041804							
60	chr3	41240962		0.256862	2.946849	0.003659	0.760483
cg234289							
05	chr5	1.73E+08		-0.28319	-2.93687	0.003773	0.764333
cg247608							
69	chr10	1.16E+08		0.316397	2.937035	0.003771	0.764333
cg094712							
80	chr17	39968804		0.315864	2.937675	0.003764	0.764333
cg174988							
67	chr2	72371552		0.342465	2.928429	0.003872	0.765667
cg160387							
38	chr1	1.09E+08		0.343195	2.939624	0.003741	0.764333
cg112112							
04	chr18	55923895		-0.41925	-2.93127	0.003838	0.765667
cg139280							
68	chr22	18324130		-0.35962	-2.92465	0.003917	0.765667

cg020491			LMNA;NES;IQGA				
80	chr1	1.57E+08	P3;UBQLN4	0.375924	2.94069	0.003729	0.764333
cg142092							
99	chr2	1.08E+08		0.272963	2.932831	0.00382	0.765667

cg272348							
64	chr13	21295941		0.488256	2.935708	0.003786	0.765274
cg214266							
86	chr12	334268		-0.37975	-2.92681	0.003891	0.765667
cg202131							
66	chr11	6191635		-0.43474	-2.92844	0.003872	0.765667
cg259000							
85	chr8	65291513		0.309216	2.93352	0.003812	0.765667
cg177684							
91	chr19	41018876		0.468147	2.937013	0.003771	0.764333
cg164770							
91	chr17	56833000		0.46757	2.939645	0.003741	0.764333
cg229423							
84	chr21	46424715		-0.39819	-2.92938	0.003861	0.765667
cg275167							
74	chr15	44955616		-0.18521	-2.93287	0.00382	0.765667
cg165655							
62	chr5	52786484		-0.5491	-2.94444	0.003686	0.762378
cg077564							
34	chr3	1.79E+08		0.342575	2.935679	0.003787	0.765274
cg199538			PITPNB;TTC28;U				
43	chr22	29168388	QCR10;MN1	0.408758	2.930387	0.003849	0.765667
cg185580							
73	chr15	36872349		0.618422	2.934793	0.003797	0.765667
cg062025							
85	chr2	38325802		-0.68784	-2.92572	0.003904	0.765667
cg008865							
12	chr10	1.32E+08		0.350329	2.933388	0.003813	0.765667
cg145103							
22	chr13	1.13E+08		-0.27309	-2.93695	0.003772	0.764333
cg105975							
45	chr19	39340813	KCNK6	-0.33013	-2.93439	0.003802	0.765667
cg263305							
18	chr8	24770342		0.322507	2.922996	0.003937	0.765667
cg010404							
34	chr1	86081443		-0.33703	-2.92436	0.00392	0.765667
cg003338							
70	chr7	51870809		-0.33793	-2.93018	0.003851	0.765667
cg173305							
15	chr19	13031369	CACNA1A	0.469168	2.950858	0.003614	0.760345
cg265735							
18	chr17	33700745		-0.22373	-2.92298	0.003937	0.765667
cg179549							
57	chr19	56136072		-0.30914	-2.94181	0.003716	0.764325
cg242824							
86	chr6	1.39E+08	ABRACL	0.262456	2.936698	0.003775	0.764333
cg211569							
70	chr7	47711149		-0.42319	-2.93123	0.003839	0.765667



cg109403							
74	chr7	10979992		-0.30767	-2.92938	0.003861	0.765667
cg165036							
83	chr11	58345717		-0.50586	-2.93285	0.00382	0.765667
cg038273							
86	chr3	15540665		-0.25346	-2.923	0.003937	0.765667
cg147850							
18	chr15	93447817		-0.37825	-2.9394	0.003744	0.764333
cg201290							
73	chr6	32027528		0.367517	2.923884	0.003926	0.765667
cg064788							
86	chr5	1.35E+08		0.682429	2.951745	0.003604	0.760039
cg096509							
07	chr17	71224983		-0.35632	-2.92633	0.003897	0.765667
cg099261							
78	chr1	2.3E+08		0.488082	2.919918	0.003974	0.765667
cg090038							
33	chr3	1.47E+08		0.336271	2.927056	0.003888	0.765667
cg087709							
61	chr16	66956122		0.438566	2.924415	0.00392	0.765667
cg115465							
54	chr2	2.41E+08		-0.39722	-2.92178	0.003951	0.765667
cg082103							
00	chr13	37575268		0.281768	2.927568	0.003882	0.765667
cg266518							
30	chr7	1.07E+08		-0.41571	-2.92528	0.003909	0.765667
cg143615							
86	chr7	1.29E+08		0.302609	2.925588	0.003906	0.765667
cg054875							
89	chr8	25896196		-0.41807	-2.93348	0.003812	0.765667
cg003702							
29	chr6	29521602 PPP1R11		0.856625	2.926173	0.003899	0.765667
cg134919							
59	chr9	1.39E+08		-0.24229	-2.9306	0.003846	0.765667
cg165705							
07	chr10	88024598 GRID1		-0.35374	-2.92844	0.003872	0.765667
cg148299							
53	chr4	1.54E+08		0.32143	2.944392	0.003687	0.762378
cg151557							
38	chr12	1.21E+08		-0.24696	-2.93082	0.003844	0.765667
cg049098							
54	chr1	1.7E+08		0.40889	2.947767	0.003649	0.760483
cg001565							
69	chr20	42908863		-0.37069	-2.92058	0.003966	0.765667
cg272637							
41	chr21	43099365 UBASH3A		-0.46915	-2.92306	0.003936	0.765667
cg100635							
65	chr11	17884883		-0.28944	-2.92775	0.00388	0.765667
cg271233							
92	chr15	50570473		-0.47627	-2.93045	0.003848	0.765667

cg093369							
47	chr11	2465950		-0.30155	-2.9168	0.004012	0.765667
			TNFRSF10A;TNF				
cg076596			RSF10B;TNFRSF1				
24	chr8	23425272	OD	0.375808	2.922605	0.003941	0.765667
cg006413							
91	chr3	1.97E+08		0.430884	2.918868	0.003987	0.765667
cg020817							
01	chr2	1.4E+08		0.385792	2.932091	0.003829	0.765667
cg068907							
61	chr7	1.58E+08	WDR60	0.402678	2.930041	0.003853	0.765667
cg015347							
07	chr3	57130436		-0.34539	-2.92884	0.003867	0.765667
cg242980							
26	chr6	1.26E+08		-0.36924	-2.926	0.003901	0.765667
cg041013							
42	chr7	1909417	SNX8	-0.41144	-2.92085	0.003963	0.765667
cg204158							
11	chr2	74700246	RTKN	0.374423	2.926549	0.003894	0.765667
cg084623							
06	chr1	45273545		-0.20767	-2.92214	0.003947	0.765667
cg207141							
10	chr3	1.37E+08		0.335779	2.930462	0.003848	0.765667
cg201816							
00	chr6	1.7E+08		-0.25888	-2.92951	0.003859	0.765667
cg229956							
92	chr5	1.41E+08		0.43189	2.915971	0.004022	0.765667
cg007193							
73	chr8	47318649		-0.27652	-2.92773	0.00388	0.765667
cg033896							
62	chr11	67007586		-0.20083	-2.92145	0.003955	0.765667
cg179638							
40	chr8	26722861		0.272893	2.930348	0.003849	0.765667
cg101726							
69	chr4	42154840	ATP8A1	0.465025	2.919834	0.003975	0.765667
cg173878							
70	chr12	1.33E+08		0.373954	2.916443	0.004016	0.765667
cg269660							
01	chr7	1.3E+08		-0.26619	-2.92053	0.003966	0.765667
cg014372							
35	chr4	939027	WHSC1	0.357294	2.936803	0.003774	0.764333
cg079757							
78	chr14	52535425		0.536022	2.940511	0.003731	0.764333
cg054884							
39	chr7	91510314		0.443097	2.921334	0.003957	0.765667
cg163099							
36	chr1	40874587		-0.34234	-2.92915	0.003863	0.765667
cg275864							
10	chr17	80818684		0.451537	2.914195	0.004044	0.765667

cg150564							
71	chr10	48351143		-0.31494	-2.92915	0.003863	0.765667
cg186988							
84	chr11	16632724		0.498116	2.927813	0.003879	0.765667
cg211216							
16	chr13	37249450		0.429933	2.926281	0.003897	0.765667
cg007319							
17	chr18	60263973		0.315061	2.914105	0.004045	0.765667
cg061136							
65	chr4	1.71E+08		-0.33976	-2.92032	0.003969	0.765667
cg051491							
95	chr3	12823966		-0.28814	-2.91428	0.004043	0.765667
cg075983							
57	chr6	1.71E+08		-0.34056	-2.92293	0.003937	0.765667
cg065271							
54	chr7	1.22E+08		0.502173	2.919246	0.003982	0.765667
cg081355							
03	chr19	34177741		-0.42532	-2.91547	0.004028	0.765667
cg166263							
27	chr16	30022598		-0.28067	-2.92011	0.003972	0.765667
cg025270							
30	chr14	63785334		0.403004	2.933415	0.003813	0.765667
cg012302							
43	chr6	1.38E+08		-0.38607	-2.92316	0.003935	0.765667
cg025771							
22	chr11	1.25E+08		0.362617	2.916143	0.00402	0.765667
cg080956							
54	chr19	58728560		0.526167	2.930881	0.003843	0.765667
cg210377							
84	chr14	1.01E+08 DIO3		0.313212	2.920683	0.003965	0.765667
cg091465							
77	chr10	1.05E+08		-0.48455	-2.91379	0.004049	0.765667
cg180192			ZNF70;POM121L				
80	chr22	23860693 9P		-0.26586	-2.9127	0.004062	0.765667
cg120701							
59	chr8	54789325		0.474221	2.912324	0.004067	0.765667
cg044001							
47	chr3	52522246		0.417218	2.926987	0.003889	0.765667
cg132087							
32	chr8	57124347		0.266109	2.92366	0.003929	0.765667
cg149380							
29	chr20	23421747		-0.43436	-2.91458	0.004039	0.765667
cg260658							
70	chr3	52522591 RRP9		-0.29021	-2.93297	0.003818	0.765667
cg124920							
87	chr15	42749885 TMEM62		0.600359	2.914774	0.004037	0.765667
cg105465							
62	chr7	5390491		0.469316	2.928694	0.003869	0.765667

cg035311							
00	chr19	49260119		-0.44829	-2.91606	0.004021	0.765667
cg257303							
56	chr1	1.55E+08		-0.24715	-2.91983	0.003975	0.765667
cg171435							
65	chr17	33569990		-0.25643	-2.91636	0.004017	0.765667
cg026831							
97	chr6	28174875	PRSS16	0.435379	2.916058	0.004021	0.765667
cg127108							
99	chr14	57261702		0.429455	2.926642	0.003893	0.765667
cg223662							
79	chr6	28848900	HLA-F	0.401413	2.916867	0.004011	0.765667
cg127185							
28	chr4	47710147		-0.39526	-2.92393	0.003925	0.765667
cg018837							
77	chr22	38201848		0.5696	2.918754	0.003988	0.765667
cg203104							
35	chr2	1.79E+08		-0.20619	-2.92682	0.003891	0.765667
cg039605							
89	chr17	40840485		0.270859	2.91425	0.004043	0.765667
cg051130							
78	chr3	12583485		0.284151	2.918867	0.003987	0.765667
cg016805							
73	chr19	19256777		0.475071	2.919191	0.003983	0.765667
cg134223							
59	chr7	75959073		-0.32114	-2.92146	0.003955	0.765667
cg243724			GNG7;ZNF57;H				
85	chr19	2078331	MHA1	-0.58618	-2.92639	0.003896	0.765667
cg228467							
76	chr17	2324861		0.305282	2.928765	0.003868	0.765667
cg252242							
32	chr17	72129955	DNAI2;KIF19	-0.36908	-2.91473	0.004037	0.765667
cg194596							
00	chr21	44898847		-0.23466	-2.91999	0.003973	0.765667
cg134244							
22	chr13	1.11E+08		0.318855	2.920919	0.003962	0.765667
cg126734							
29	chr18	11150043		0.412699	2.912976	0.004059	0.765667
cg138133							
66	chr4	42398518		0.607238	2.909786	0.004099	0.766334
cg081192							
75	chr16	56623549		-0.25986	-2.91153	0.004077	0.765723
cg024234							
71	chr7	1.35E+08		-0.48745	-2.92181	0.003951	0.765667
cg036151							
45	chr3	1.07E+08		-0.49873	-2.92122	0.003958	0.765667
cg020577							
82	chr13	26042598		0.354894	2.911102	0.004082	0.766286

cg054408							
24	chr17	32581035		0.305498	2.926824	0.003891	0.765667
cg222889							
27	chr4	1.44E+08		0.445358	2.910364	0.004091	0.766329
cg202538							
55	chr7	1.02E+08		-0.41154	-2.92383	0.003927	0.765667
cg110219							
40	chr5	1.15E+08		0.324802	2.919172	0.003983	0.765667
cg261238			GRK5;CASC2;RA				
24	chr10	1.21E+08	B11FIP2	-0.37555	-2.91149	0.004077	0.765723
cg026535							
57	chr19	58095424	ZIK1;PEG3	0.391471	2.918116	0.003996	0.765667
cg049757							
78	chr2	62733617		0.517309	2.917461	0.004004	0.765667
cg139750			ENSG0000002364				
98	chr10	1.21E+08	26	0.443815	2.906726	0.004137	0.766628
cg220618			CCDC74A;CCDC7				
31	chr2	1.32E+08	4B;ARHGEF4	1.094293	2.909193	0.004106	0.766628
cg135800			ENSG0000002539				
84	chr8	23330039	30	-0.24636	-2.91355	0.004052	0.765667
cg160487							
71	chr10	5541146	IL15RA	-0.37847	-2.91677	0.004012	0.765667
cg056567							
63	chr12	1.33E+08		-0.3216	-2.90855	0.004114	0.766628
cg205417							
52	chr13	54821786		-0.53797	-2.91237	0.004066	0.765667
cg178800							
50	chr7	26416735		0.563316	2.920325	0.003969	0.765667
cg163841							
36	chr15	27215898		0.513792	2.921493	0.003955	0.765667
cg118071							
05	chr6	28784852		0.468676	2.912557	0.004064	0.765667
cg066379							
61	chr2	2.07E+08	ADAM23	0.486007	2.913022	0.004058	0.765667
cg164187							
34	chr1	1720537		0.28551	2.918892	0.003986	0.765667
cg185679							
44	chr20	42843864		0.353647	2.912099	0.00407	0.765667
cg189203							
68	chr2	27069408		0.274537	2.908763	0.004111	0.766628
cg179286							
51	chr1	3457807	FAM213B	-0.39181	-2.91085	0.004085	0.766329
cg031000							
24	chr19	42571402		-0.30853	-2.91872	0.003988	0.765667
cg178408							
58	chr17	62775998	RGS9	0.2191	2.907717	0.004124	0.766628

cg164188							
00	chr5	76476455		0.403722	2.914278	0.004043	0.765667
cg053553							
81	chr10	63545645		-0.38818	-2.92	0.003973	0.765667
cg156964							
62	chr5	1.63E+08		0.399798	2.906506	0.00414	0.766628
cg154284							
53	chr8	92038766		-0.28069	-2.91429	0.004043	0.765667
cg252022							
98	chr2	31456741		-0.18881	-2.91194	0.004072	0.765667
cg084615							
86	chr10	97802977		0.359013	2.921348	0.003957	0.765667
cg118524							
71	chr6	363485		0.297061	2.906476	0.00414	0.766628
cg067710							
21	chr12	1.25E+08		-0.29752	-2.91198	0.004071	0.765667
cg119740							
77	chr10	51465444		-0.41995	-2.91814	0.003996	0.765667
cg230486							
98	chr1	2109816		-0.33139	-2.90155	0.004203	0.76732
cg031902			ENSG000002609				
19	chr7	25898688	51	0.505661	2.912624	0.004063	0.765667
cg080829			ENSG000002495				
08	chr7	1067951	74	0.229594	2.90683	0.004136	0.766628
cg109409							
14	chr2	2.36E+08		-0.37694	-2.90604	0.004146	0.766628
cg243714							
38	chr3	1.84E+08		0.23551	2.91952	0.003979	0.765667
cg191143							
00	chr15	68866992		0.289791	2.914344	0.004042	0.765667
cg071951							
18	chr8	1.45E+08		0.438742	2.916005	0.004022	0.765667
cg075248							
73	chr11	72305346	P2RY6	-0.3558	-2.90691	0.004135	0.766628
cg211361							
04	chr3	1.43E+08	GK5	0.527432	2.918384	0.003993	0.765667
cg081254							
88	chr6	31591517		0.338525	2.90657	0.004139	0.766628
cg258467							
65	chr18	9615093		-0.20672	-2.91271	0.004062	0.765667
cg048683							
76	chr16	64984977		0.410127	2.910014	0.004096	0.766334
cg068565							
63	chr7	75623987		0.18571	2.909844	0.004098	0.766334
cg096677							
21	chr11	1.26E+08		0.330075	2.915095	0.004033	0.765667
cg243842							
12	chr20	31482267		-0.41609	-2.90683	0.004136	0.766628
cg214966							
58	chr3	1.55E+08		0.401257	2.910397	0.004091	0.766329

cg074762							
01	chr1	1.53E+08	FLG-AS1	-0.38117	-2.89935	0.004231	0.770163
cg115099							
07	chr2	2.35E+08		-0.32844	-2.92603	0.0039	0.765667
cg275498							
87	chr15	48623952		-0.19014	-2.91298	0.004059	0.765667
cg145249			PADI1;MFAP2;P				
55	chr1	17531661	ADI2;RCC2	-0.29206	-2.91822	0.003995	0.765667
cg113432							
11	chr17	15686309		0.395807	2.904149	0.00417	0.766628
cg128777							
23	chr8	57358312		0.581546	2.910458	0.00409	0.766329
cg098279							
02	chr10	45475610	RASSF4;CXCL12	-0.35706	-2.9007	0.004213	0.76865
cg261986							
44	chr5	1.77E+08		0.591636	2.903729	0.004175	0.766628
cg133468							
69	chr8	37605517		0.347433	2.907174	0.004131	0.766628
cg157818							
38	chr2	1.28E+08		-0.45382	-2.90835	0.004117	0.766628
cg066414							
15	chr2	73384073		0.399603	2.906517	0.00414	0.766628
cg028591							
29	chr16	55357253	IRX6	0.356373	2.902831	0.004186	0.766628
cg245692							
51	chr6	36628087		0.392931	2.921085	0.00396	0.765667
cg019604							
56	chr3	1.87E+08		-0.34548	-2.90565	0.00415	0.766628
cg198534			ABHD16A;RPL3P				
40	chr6	31838474	2	-0.20136	-2.91523	0.004031	0.765667
cg106894							
04	chr17	35300645		0.378736	2.904083	0.00417	0.766628
cg147820							
15	chr19	6464080		0.304054	2.906878	0.004135	0.766628
cg258949							
39	chr21	46521281		0.733432	2.903263	0.004181	0.766628
cg083169							
83	chr4	14067054		-0.49813	-2.90416	0.004169	0.766628
cg261688			CYS1;KLF11;KIDI				
81	chr2	9451170	NS220;ENSG000	-0.43908	-2.91214	0.004069	0.765667
cg108799			00261104				
58	chr5	68708084		-0.48893	-2.9085	0.004115	0.766628
cg244205							
74	chr7	1893710		-0.36512	-2.91224	0.004068	0.765667
cg117849							
90	chr12	1.03E+08		0.411624	2.907064	0.004133	0.766628

cg209108							
07	chr20	57875384		0.331767	2.900002	0.004222	0.769295
cg059132							
50	chr14	75348325		0.29316	2.914576	0.004039	0.765667
cg190523							
84	chr7	44622341	YKT6;MYO1G	0.242541	2.901998	0.004197	0.766628
cg187599							
90	chr2	1.16E+08		0.231139	2.902407	0.004192	0.766628
cg179555							
57	chr5	1.49E+08		-0.30001	-2.9115	0.004077	0.765723
cg011412							
52	chr19	45251925		0.260346	2.901988	0.004197	0.766628
cg247871							
38	chr6	43214590		0.314264	2.907568	0.004126	0.766628
cg182292							
70	chr14	92608027		-0.3444	-2.90589	0.004147	0.766628
cg167862							
74	chr13	1.03E+08		0.404316	2.900971	0.00421	0.768345
cg097973							
37	chr13	1.13E+08		0.434663	2.915932	0.004023	0.765667
cg138464							
73	chr9	1.32E+08		-0.1939	-2.9023	0.004193	0.766628
cg105157							
53	chr1	1.56E+08		-0.31852	-2.90259	0.004189	0.766628
cg178457							
32	chr19	36130321		0.394169	2.905687	0.00415	0.766628
cg064694							
55	chr5	1.27E+08		-0.47288	-2.89151	0.004333	0.773155
cg190890							
70	chr1	2.25E+08		0.354321	2.902022	0.004197	0.766628
cg074715			COASY;ACLY;ENS				
72	chr17	39879439	G00000236194	-0.28208	-2.91221	0.004068	0.765667
cg151347							
14	chr8	37558448		0.312377	2.902919	0.004185	0.766628
cg102216							
37	chr1	11866416		0.258311	2.895456	0.004281	0.77249
cg201035							
19	chr18	67070045		0.464192	2.903381	0.004179	0.766628
cg172019							
47	chr3	42700007		0.247231	2.909835	0.004098	0.766334
cg133355							
67	chr8	71127379		0.593663	2.890214	0.00435	0.773328
cg068032							
57	chr16	67999044		0.304196	2.914373	0.004042	0.765667
cg196516							
94	chr11	71955164		0.326709	2.915478	0.004028	0.765667
cg139176							
19	chr15	48623422		-0.25101	-2.90249	0.004191	0.766628



cg170706							
11	chr13	33001498		-0.22772	-2.90386	0.004173	0.766628
cg046912							
70	chr10	2371195		0.456776	2.906394	0.004141	0.766628
cg270052							
55	chr2	1.98E+08		0.1961	2.916243	0.004019	0.765667
cg149645							
12	chr19	53832493		0.357415	2.902712	0.004188	0.766628
cg231056							
05	chr6	1.66E+08		-0.34855	-2.89811	0.004247	0.770771
cg003380			ENSG000002706				
02	chr1	28198813	05;FCN3	0.31189	2.903399	0.004179	0.766628
cg013013							
82	chr18	15198067		0.338224	2.8984	0.004243	0.770771
cg228659							
89	chr8	1012382		0.339129	2.894371	0.004295	0.77249
cg053006							
97	chr1	1.68E+08		0.28628	2.902699	0.004188	0.766628
cg041325							
55	chr5	31194641		0.358324	2.896929	0.004262	0.772229
cg043094							
80	chr1	2.05E+08		-0.25653	-2.89591	0.004275	0.77249
cg257261							
28	chr21	45656979		0.406893	2.889649	0.004357	0.773328
cg050720							
08	chr7	50518647		0.441501	2.897877	0.00425	0.770991
cg258626							
44	chr10	77168553		-0.27793	-2.8939	0.004301	0.77249
cg242225							
12	chr6	38128777	RNF8	-0.33723	-2.89419	0.004298	0.77249
cg272486							
99	chr11	23561621		0.548963	2.900187	0.00422	0.769193
cg028259							
85	chr22	49579410		-0.23623	-2.90551	0.004152	0.766628
cg011811							
50	chr7	1.54E+08		-0.29363	-2.90451	0.004165	0.766628
cg196267							
25	chr5	1.79E+08		0.484735	2.894485	0.004294	0.77249
cg198442							
33	chr11	85376231		0.389358	2.887409	0.004387	0.77452
cg071715							
38	chr2	1.05E+08		0.274724	2.898565	0.004241	0.770771
cg049187							
08	chr1	2.04E+08		-0.26072	-2.89629	0.00427	0.772414
cg001360							
77	chr12	1.33E+08		-0.30728	-2.89303	0.004313	0.77249
cg027072							
90	chr16	80952459		0.299619	2.88923	0.004363	0.773328

cg207025							
59	chr8	58907821		-0.39445	-2.89698	0.004261	0.772229
cg242331							
94	chr10	1.14E+08	VTI1A	-0.38883	-2.91043	0.004091	0.766329
cg213243							
08	chr1	1.11E+08		0.314195	2.907825	0.004123	0.766628
cg147113							
66	chr5	1.77E+08		0.303655	2.895321	0.004283	0.77249
cg025428							
72	chr11	70269505		-0.38288	-2.8956	0.004279	0.77249
cg203490							
76	chr11	1.19E+08		0.197346	2.892422	0.004321	0.77249
cg215494							
22	chr6	70993107		0.298346	2.908939	0.004109	0.766628
cg111116							
00	chr17	40718964		0.189963	2.897095	0.00426	0.772229
cg221233							
09	chr1	31191561		-0.20854	-2.89263	0.004318	0.77249
cg149706							
95	chr10	29698447		-0.60489	-2.89001	0.004352	0.773328
cg000640			ECE2;C3orf70;M				
20	chr3	1.84E+08	CF2L2	0.285018	2.889492	0.004359	0.773328
cg120071							
66	chr6	30228058		0.36509	2.896758	0.004264	0.772304
cg171417							
35	chr1	1.5E+08		0.252843	2.902318	0.004193	0.766628
cg016122							
20	chr14	1.05E+08		-0.34922	-2.89839	0.004243	0.770771
cg237963							
29	chr6	1.07E+08		0.231387	2.903009	0.004184	0.766628
cg029882							
67	chr1	78149396		-0.18824	-2.89322	0.00431	0.77249
cg178259							
89	chr6	1.56E+08		0.267347	2.896063	0.004273	0.77249
cg024360			UHRF1;CHAF1A; STAP2;PLIN4;AN				
98	chr19	4640159	KRD24	-0.35474	-2.89224	0.004323	0.77249
cg124616							
77	chr19	58862089	ZNF135;ZNF418	0.450961	2.904012	0.004171	0.766628
cg177592							
74	chr19	39260954	LGALS7;LGALS7B	0.908184	2.902454	0.004191	0.766628
cg124925							
04	chr7	26416890		0.315387	2.902403	0.004192	0.766628
cg124193							
48	chr17	54991398		-0.21742	-2.90664	0.004138	0.766628
cg020349							
49	chr22	38302860		-0.21549	-2.88645	0.0044	0.77452

cg175776							
36	chr12	1.12E+08		-0.2393	-2.89232	0.004322	0.77249
cg150353							
50	chr7	83824382		0.451545	2.892878	0.004315	0.77249
cg076907							
33	chr19	1066985		0.147983	2.903393	0.004179	0.766628
cg236058							
43	chr1	26735630		0.43763	2.887931	0.00438	0.77452
cg000464							
99	chr3	1.54E+08		0.55497	2.890056	0.004352	0.773328
cg102714							
08	chr7	77648600		0.350457	2.890361	0.004348	0.773328
cg133878			LPCAT1;ENSG00				
54	chr5	2225323	000188002	0.543358	2.892756	0.004316	0.77249
cg087179							
80	chr5	1386005		-0.25542	-2.88994	0.004353	0.773328
cg041355							
58	chr15	50979175		-0.24609	-2.88932	0.004362	0.773328
cg023491							
86	chr2	2.39E+08	COL6A3;LRRFIP1	0.616718	2.8929	0.004314	0.77249
cg018507							
98	chr4	77341251	USO1;SDAD1	-0.34215	-2.88572	0.004409	0.77452
cg101423							
15	chr2	84930277		-0.38292	-2.89912	0.004234	0.770375
cg087613							
96	chr5	42468836		-0.33343	-2.89462	0.004292	0.77249
cg236832							
54	chr14	99584667		0.590093	2.882606	0.004451	0.77452
cg026405							
58	chr8	22299141	ENTPD4	-0.22933	-2.89652	0.004267	0.772323
cg040381							
50	chr11	70742796		-0.24235	-2.89062	0.004344	0.773328
cg212040							
20	chr2	3828566		-0.52666	-2.88904	0.004365	0.773328
cg234128							
20	chr15	27959543		0.387257	2.890276	0.004349	0.773328
cg041174							
80	chr1	1.2E+08		-0.35302	-2.88853	0.004372	0.773795
cg252582							
91	chr13	98795562		-0.23035	-2.8995	0.004229	0.770132
cg004982							
19	chr2	1.42E+08		-0.41215	-2.90028	0.004219	0.769193
cg112009							
29	chr15	78632670		0.404048	2.883851	0.004434	0.77452
cg071564							
84	chr7	1.01E+08		-0.26806	-2.89255	0.004319	0.77249
cg018302							
71	chr6	31275148		0.613702	2.888998	0.004366	0.773328

cg195332							
31	chr18	54814390	0.687567	2.889307	0.004362	0.773328	
cg140358							
28	chr1	87291903	-0.31108	-2.8907	0.004343	0.773328	
cg146455							
45	chr2	2.19E+08	0.444932	2.883044	0.004445	0.77452	
cg007345							
92	chr7	1.39E+08	-0.34014	-2.88933	0.004361	0.773328	
cg224000							
15	chr2	2.2E+08 CYP27A1	0.385767	2.883228	0.004443	0.77452	
cg252725							
54	chr2	2.22E+08	-0.22316	-2.89337	0.004308	0.77249	
cg162942							
80	chr12	25048139	0.60327	2.885912	0.004407	0.77452	
cg083091							
35	chr7	1.28E+08	0.386838	2.890405	0.004347	0.773328	
cg132671		TBC1D10C;PTPR					
95	chr11	67777215 CAP	-0.45012	-2.88639	0.0044	0.77452	
cg164536							
17	chr16	1257884 CACNA1H	-0.36913	-2.88765	0.004384	0.77452	
cg132774							
93	chr2	1.25E+08	0.38892	2.884038	0.004432	0.77452	
cg029189							
10	chr1	1.51E+08	0.318775	2.877467	0.004521	0.774543	
cg029840							
09	chr7	86850498	-0.40848	-2.89441	0.004295	0.77249	
cg050223							
01	chr14	93650515	0.299799	2.891468	0.004333	0.773155	
cg120604							
99	chr14	1.02E+08	0.567127	2.888374	0.004374	0.773828	
cg189507							
78	chr11	32455362	0.319483	2.886967	0.004393	0.77452	
cg094136							
15	chr15	78913637	0.398614	2.88627	0.004402	0.77452	
cg044577							
92	chr10	1.02E+08	0.294138	2.882448	0.004453	0.77452	
cg272431							
66	chr11	64479496 RASGRP2	0.385023	2.896471	0.004268	0.772323	
cg005819							
79	chr19	47778059	-0.26517	-2.89328	0.004309	0.77249	
cg122302							
89	chr8	70946891	0.385863	2.888619	0.004371	0.773795	
cg261124							
57	chr2	21267334	0.331141	2.886603	0.004398	0.77452	
cg092246							
89	chr11	31825166	0.330649	2.879859	0.004488	0.77453	
cg096870							
25	chr13	77459109	0.420048	2.88466	0.004423	0.77452	

cg008767							
84	chr19	39986016		0.226817	2.883405	0.00444	0.77452
cg050728							
19	chr3	20081367		-0.30092	-2.89227	0.004323	0.77249
cg031676							
33	chr2	1.45E+08		-0.44348	-2.88184	0.004461	0.77452
cg067707							
35	chr1	11840031 MTHFR		-0.3107	-2.87719	0.004525	0.774543
cg110363							
15	chr7	636258		0.337945	2.874991	0.004555	0.774639
cg263972							
65	chr12	25348258		-0.25054	-2.8827	0.00445	0.77452
cg184175							
62	chr5	1.38E+08 MZB1;TMEM173		-0.4846	-2.89244	0.00432	0.77249
cg162673							
22	chr14	92864074 TC2N;CATSPERB		-0.39089	-2.88298	0.004446	0.77452
cg143059							
42	chr9	1.33E+08		0.268465	2.883953	0.004433	0.77452
cg120243							
11	chr6	1.71E+08		0.175666	2.881923	0.00446	0.77452
cg030638							
06	chr5	1.76E+08 ARL10		-0.28967	-2.88535	0.004414	0.77452
cg185944							
82	chr1	27480543 THEMIS2		-0.43098	-2.89429	0.004296	0.77249
cg129691							
93	chr2	1.77E+08		0.427733	2.891405	0.004334	0.773155
cg001467							
56	chr4	6729110		1.282299	2.874579	0.00456	0.774942
cg136614							
97	chr9	5110940		0.285299	2.88761	0.004384	0.77452
cg202645							
34	chr19	41816349		-0.44135	-2.88469	0.004423	0.77452
cg269153							
36	chr7	35407225 DPY19L1		-0.41304	-2.87643	0.004535	0.774543
cg176423							
69	chr7	47783644		0.375962	2.891586	0.004332	0.773155
cg189627							
86	chr14	32030354		0.356343	2.892248	0.004323	0.77249
cg097357							
23	chr10	1.06E+08		0.400107	2.884888	0.00442	0.77452
cg020228							
08	chr5	1.41E+08		0.521884	2.885856	0.004407	0.77452
cg012952							
03	chr8	70984199		0.322977	2.886042	0.004405	0.77452
cg066530							
04	chr6	50785325		0.485562	2.885281	0.004415	0.77452
cg066887							
70	chr14	74892331		0.416304	2.880216	0.004483	0.77453
cg191690							
23	chr15	41853346		-0.88131	-2.86923	0.004634	0.777232

cg109476							
11	chr2	2.4E+08		-0.40122	-2.89816	0.004246	0.770771
cg091634							
12	chr10	1.34E+08		-0.39404	-2.88082	0.004475	0.77453
cg006367							
69	chr20	57408795		-0.44109	-2.88009	0.004485	0.77453
cg236860							
14	chr7	93519924		-0.31102	-2.88144	0.004467	0.77452
			VPS26B;GLB1L2; ENSG000002555				
cg227910							
45	chr11	1.33E+08	45	-0.368	-2.88574	0.004409	0.77452
cg247595							
99	chr11	3114884		-0.28632	-2.87674	0.004531	0.774543
cg101822							
43	chr17	41570164		0.382482	2.884409	0.004427	0.77452
cg047270							
71	chr19	4061359	TBXA2R;PLIN4	-0.40983	-2.8805	0.00448	0.77453
cg022535							
67	chr17	74117573		-0.17096	-2.88461	0.004424	0.77452
cg221429							
68	chr12	52238436		-0.45468	-2.86965	0.004629	0.777232
cg023846							
61	chr12	54369638		0.395373	2.876852	0.004529	0.774543
cg225952							
09	chr19	11289102		0.296409	2.884635	0.004424	0.77452
cg171693							
97	chr7	32111453		0.317354	2.875201	0.004552	0.774639
cg033552							
04	chr19	1008063		0.329758	2.877688	0.004518	0.774543
cg173736							
44	chr5	1806786		0.293107	2.877383	0.004522	0.774543
cg092981							
83	chr10	1.26E+08		-0.32594	-2.89385	0.004302	0.77249
cg249316							
32	chr1	47899667	TAL1	0.404124	2.8682	0.004649	0.777232
cg249336							
51	chr3	77147070		0.560732	2.883742	0.004436	0.77452
cg112352							
59	chr19	47526657		0.284266	2.88208	0.004458	0.77452
cg032180							
03	chr19	19303504		-0.17855	-2.87878	0.004503	0.774543
cg001288							
05	chr15	40330701		-0.22395	-2.87326	0.004578	0.776878
cg023256							
79	chr20	34542290		-0.21875	-2.87963	0.004491	0.77453
cg011211							
27	chr6	84140785		-0.62537	-2.90333	0.00418	0.766628
cg013957							
60	chr16	29802253		0.238048	2.872985	0.004582	0.777136

cg024617							
73	chr10	70168312		0.323396	2.879414	0.004494	0.77453
cg275122							
05	chr12	88973398		-0.26856	-2.88184	0.004461	0.77452
cg176137							
07	chr5	55424626		-0.66407	-2.87868	0.004504	0.774543
cg142983							
79	chr6	16128926		-0.34621	-2.88316	0.004444	0.77452
cg000862							
97	chr16	3662233		-0.31773	-2.88386	0.004434	0.77452
cg149614							
35	chr12	1.2E+08		0.536663	2.871222	0.004607	0.777232
cg101952							
95	chr12	21809973		-0.26402	-2.88247	0.004453	0.77452
cg195911							
05	chr12	1724930		-0.33889	-2.8795	0.004493	0.77453
cg014057							
61	chr8	62200689		0.427989	2.881043	0.004472	0.77452
cg066601							
16	chr16	89433876		0.311391	2.895077	0.004286	0.77249
cg220063							
92	chr17	927457		1.304992	2.875134	0.004553	0.774639
cg214979							
90	chr7	1.55E+08		0.493255	2.88061	0.004478	0.77453
cg261340							
95	chr8	1.02E+08 GRHL2		-0.5257	-2.87787	0.004515	0.774543
cg253699							
80	chr5	73937328		0.223445	2.871133	0.004608	0.777232
cg238801							
98	chr2	7907372		-0.31676	-2.8827	0.00445	0.77452
cg250370							
00	chr1	2931557		-0.246	-2.87635	0.004536	0.774543
cg211951							
85	chr4	76555782		0.377604	2.877328	0.004523	0.774543
cg243960							
74	chr6	30308095		-0.28642	-2.87488	0.004556	0.774639
cg125340							
08	chr19	2252029		0.442089	2.86852	0.004644	0.777232
cg087028							
05	chr5	1058239		-0.28845	-2.87666	0.004532	0.774543
cg252735							
07	chr2	1.98E+08		-0.2165	-2.88001	0.004486	0.77453
cg136265							
05	chr15	76603987		0.190825	2.882095	0.004458	0.77452
cg176546			FGFR4;COL23A1;				
60	chr5	1.77E+08 GRK6		-0.40316	-2.87511	0.004553	0.774639
cg191415							
63	chr17	56833253		-0.28881	-2.87678	0.00453	0.774543

cg102350							
18	chr1	2.45E+08		0.235239	2.881323	0.004468	0.77452
cg180656							
86	chr8	23411171		-0.37738	-2.87503	0.004554	0.774639
cg059456							
61	chr5	77147651		-0.34702	-2.8863	0.004402	0.77452
cg066976							
00	chr4	7070879		0.432417	2.868888	0.004639	0.777232
cg214206							
22	chr7	1.05E+08 CDHR3		0.310235	2.87624	0.004538	0.774543
cg139387							
85	chr9	1.4E+08		0.286262	2.872119	0.004594	0.777232
cg071163							
36	chr16	88337645		-0.26131	-2.8777	0.004518	0.774543
cg004292							
68	chr20	48097073 KCNB1		-0.27771	-2.87656	0.004533	0.774543
cg223729							
30	chr19	55630001		0.384217	2.877381	0.004522	0.774543
cg237348							
15	chr20	34359740		0.49932	2.87133	0.004605	0.777232
cg228377			ANKRD44;PGAP1				
14	chr2	1.98E+08 ;RFTN2		0.451089	2.883361	0.004441	0.77452
cg212118							
73	chr15	22960638		0.342886	2.881132	0.004471	0.77452
cg152128							
21	chr22	44395017		0.29032	2.884107	0.004431	0.77452
cg145752							
22	chr9	1.32E+08		-0.31998	-2.86389	0.00471	0.777399
cg083511							
05	chr2	28614671		-0.31025	-2.87129	0.004606	0.777232
cg159156							
02	chr2	1.15E+08		0.55865	2.879919	0.004487	0.77453
cg079776							
61	chr16	81567375		-0.28112	-2.86769	0.004656	0.777232
cg138521							
16	chr10	1.22E+08		-0.37275	-2.8708	0.004613	0.777232
cg113998							
37	chr1	64014796		0.403639	2.881472	0.004466	0.77452
cg100936							
48	chr16	29912700		0.385591	2.866345	0.004675	0.777232
cg236015							
15	chr17	74017805 MXRA7		0.324841	2.877907	0.004515	0.774543
cg201948							
72	chr6	41519635		0.340503	2.870988	0.00461	0.777232
cg034817							
74	chr11	45959600 PEX16		-0.25549	-2.87707	0.004526	0.774543
cg104400							
11	chr17	1933183		0.227088	2.883433	0.00444	0.77452



cg11889730	chr10	37967356		-0.42684	-2.87276	0.004585	0.777136
cg15863539	chr17	17716950		-0.28155	-2.87818	0.004511	0.774543
cg14484793	chr9	1.38E+08		0.474016	2.873966	0.004569	0.77585
cg07892597	chr1	1.2E+08		0.327569	2.866807	0.004668	0.777232
cg07303435	chr7	1.51E+08		0.341523	2.873734	0.004572	0.776086
cg13651483	chr19	48566587	PRR24	0.386152	2.871912	0.004597	0.777232
cg02656060	chr10	1.32E+08		-0.44091	-2.86989	0.004625	0.777232
cg12208258	chr18	25757438	AQP4-AS1	0.322037	2.868288	0.004648	0.777232
cg18217136	chr20	36157651	TGM2;SAMHD1;SNHG17;NNAT	-0.35188	-2.87161	0.004601	0.777232
cg02173849	chr5	1.09E+08		0.454573	2.874921	0.004556	0.774639
cg23032045	chr1	91870067		-0.25978	-2.86882	0.00464	0.777232
cg15201877	chr1	71512973		0.318652	2.875074	0.004554	0.774639
cg01687680	chr16	49312238		0.353026	2.866416	0.004674	0.777232
cg05242523	chr19	51588750	ZNF432;C19orf48;ZNF614;JOSD2;FPR1;ZNF615;ENSG0000016776	0.487323	2.878434	0.004508	0.774543
cg13631444	chr8	1.1E+08		0.317229	2.872825	0.004585	0.777136
cg01142676	chr11	1.18E+08	SIK3-IT1;MPZL2	-0.40028	-2.86885	0.00464	0.777232
cg22940031	chr7	1.28E+08		0.411801	2.863304	0.004718	0.777399
cg14700153	chr18	77515904		-0.44555	-2.8661	0.004678	0.777232
cg14059830	chr9	1.26E+08		-0.28331	-2.87155	0.004602	0.777232
cg24423503	chr2	6028915		-0.34877	-2.87942	0.004494	0.77453
cg04922803	chr12	1.04E+08	GLT8D2	0.428719	2.865218	0.004691	0.777399

cg004126						
75	chr8	11577758	0.42902	2.86043	0.004759	0.777399
cg043856						
31	chr12	46385625	0.273274	2.898303	0.004244	0.770771
cg259660						
22	chr22	40417869	-0.34734	-2.86444	0.004702	0.777399
cg129242						
62	chr12	1.02E+08	0.30146	2.865979	0.00468	0.777232
cg012834						
17	chr18	5896071	0.339873	2.869343	0.004633	0.777232
cg055039						
68	chr18	30051336	0.465378	2.861339	0.004746	0.777399
cg105980						
66	chr11	44087808	0.208413	2.858058	0.004793	0.777399
cg167683						
76	chr13	20392608 IFT88	0.47034	2.860802	0.004754	0.777399
cg091194						
33	chr6	30069319	-0.33282	-2.87763	0.004519	0.774543
cg106822						
99	chr4	1.12E+08	0.415318	2.870737	0.004613	0.777232
cg034885						
88	chr6	32135129	0.357493	2.870031	0.004623	0.777232
cg275266						
49	chr1	2.08E+08 PFKFB2	0.551032	2.874486	0.004562	0.774942
cg216019						
19	chr5	1.71E+08	0.260704	2.859771	0.004768	0.777399
cg111830						
01	chr5	34838922	0.381644	2.875486	0.004548	0.774639
cg183576						
96	chr2	2.19E+08	0.358023	2.865981	0.00468	0.777232
cg160359						
21	chr17	48187466	-0.40962	-2.8793	0.004496	0.77453
cg175480						
54	chr5	1.69E+08 C5orf58	-0.40432	-2.86911	0.004636	0.777232
cg157264						
92	chr6	1.27E+08	0.337319	2.868811	0.00464	0.777232
cg053054						
34	chr11	1874049 LSP1	-0.73194	-2.87001	0.004624	0.777232
cg039977						
30	chr16	1487180	-0.31055	-2.86246	0.00473	0.777399
cg179471						
40	chr6	37787739	0.179772	2.865997	0.00468	0.777232
cg041653						
37	chr8	697377	1.727458	2.861817	0.004739	0.777399
cg239025						
50	chr8	1.45E+08 RHPN1-AS1	0.187585	2.861235	0.004747	0.777399
cg262813						
10	chr20	58149139	-0.3402	-2.85532	0.004833	0.778576
cg089620						
38	chr10	88022859	0.508488	2.858121	0.004792	0.777399

			ZFP82;ZNF382;Z NF568;ZNF529;C LIP3;COX7A1;ZN F566;ZNF540;ZN				
cg025873	16	chr19	37096321 F383	0.575493	2.869168	0.004635	0.777232
cg209686	78	chr2	2.17E+08 MREG	-0.32525	-2.86202	0.004736	0.777399
cg105894	47	chr12	1.16E+08	-0.20617	-2.87507	0.004554	0.774639
cg028386	83	chr1	1063857	0.251986	2.861275	0.004747	0.777399
cg041174	55	chr14	1.04E+08 85;ADSSL1	0.385869	2.881302	0.004469	0.77452
cg107470	42	chr3	1.5E+08 ANKUB1	-0.17482	-2.86725	0.004662	0.777232
cg032497	89	chr19	15233798	-0.3384	-2.86957	0.00463	0.777232
cg227947	04	chr2	1.62E+08	0.293024	2.863621	0.004713	0.777399
cg124760	52	chr15	91839976	-0.2087	-2.86449	0.004701	0.777399
cg116885	68	chr20	58179414	-0.2899	-2.86701	0.004666	0.777232
cg071230	69	chr12	54367250	0.330197	2.856447	0.004816	0.778295
cg175702	76	chr7	6099250	0.332622	2.86247	0.00473	0.777399
cg256833	58	chr10	24833063	-0.52174	-2.86996	0.004624	0.777232
cg167084	51	chr19	54411208	0.396117	2.856217	0.00482	0.77854
cg186273	60	chr20	61809834	0.402755	2.860751	0.004754	0.777399
cg241657	60	chr14	1.03E+08	-0.22746	-2.86855	0.004644	0.777232
cg270536	29	chr14	71953890	0.435707	2.859849	0.004767	0.777399
cg041420	11	chr1	4541470	0.391938	2.85905	0.004779	0.777399
cg062510	16	chr16	89258571	-0.24529	-2.86521	0.004691	0.777399
cg255791	57	chr11	2020549	-0.13403	-2.86256	0.004729	0.777399
cg222734	27	chr2	1.28E+08	-0.24739	-2.86786	0.004654	0.777232

cg262712							
12	chr12	77277138	-0.42425	-2.86718	0.004663	0.777232	
cg056286							
16	chr12	80794579	0.481836	2.863373	0.004717	0.777399	
cg156130							
12	chr6	28887742	-0.26957	-2.85806	0.004793	0.777399	
cg039396							
12	chr17	21156707	-0.18604	-2.86573	0.004684	0.777399	
cg161193							
72	chr1	2.02E+08	-0.31502	-2.85781	0.004797	0.777399	
cg193260							
23	chr15	78424152 CRABP1	-0.2186	-2.86115	0.004749	0.777399	
cg042968							
85	chr1	1.55E+08	-0.20864	-2.85787	0.004796	0.777399	
cg068502							
83	chr5	44389769	0.428533	2.859888	0.004767	0.777399	
cg228122							
80	chr11	5173605	-0.43899	-2.86683	0.004668	0.777232	
cg105089							
40	chr22	50689915	-0.22865	-2.85991	0.004766	0.777399	
cg260050							
82	chr19	4769660	0.358682	2.859476	0.004773	0.777399	
cg032241							
75	chr20	3996790	-0.37688	-2.86824	0.004648	0.777232	
cg211480							
25	chr21	19639479	-0.54867	-2.85537	0.004832	0.778576	
cg118067							
03	chr2	2.19E+08	-0.28074	-2.86248	0.00473	0.777399	
cg214846							
80	chr2	27593328	0.213872	2.865948	0.004681	0.777232	
cg226130							
10	chr3	1.84E+08	-0.29022	-2.86184	0.004739	0.777399	
cg170015							
66	chr1	2990490 PRDM16	0.3391	2.861893	0.004738	0.777399	
cg088672							
41	chr15	53087487	0.382279	2.853983	0.004852	0.778694	
cg273910							
93	chr2	1.05E+08	-0.29038	-2.85563	0.004828	0.778576	
cg033159							
40	chr6	27569167	0.461694	2.85745	0.004802	0.777423	
cg020015							
71	chr14	50319805	-0.26989	-2.85902	0.004779	0.777399	
cg003905							
11	chr7	36701016 ANLN	-0.47939	-2.85986	0.004767	0.777399	
cg098741							
77	chr12	77272943	0.2224	2.866093	0.004679	0.777232	
cg117269							
11	chr1	6241120 KCNAB2	0.314589	2.854017	0.004852	0.778694	
cg091573							
02	chr4	25656830 SLC34A2	0.918713	2.854863	0.004839	0.778694	

cg265630							
05	chr17	56296757		0.20756	2.852386	0.004875	0.779765
cg074023							
37	chr8	98672544		-0.40761	-2.8591	0.004778	0.777399
cg114911							
86	chr19	42388160		-0.38758	-2.85863	0.004785	0.777399
cg217907							
15	chr2	1.22E+08		0.361866	2.861001	0.004751	0.777399
cg142376							
74	chr17	43239170		-0.25472	-2.85682	0.004811	0.778295
cg090848							
92	chr4	1.88E+08		-0.3038	-2.86878	0.004641	0.777232
cg028585							
94	chr21	34400211		-0.31023	-2.8609	0.004752	0.777399
cg139909							
47	chr9	19128801		0.364782	2.853343	0.004861	0.779397
cg030915							
90	chr19	42700573		0.343443	2.868733	0.004641	0.777232
cg104388							
93	chr19	1924761		0.235251	2.863533	0.004715	0.777399
cg083143							
87	chr7	1.5E+08		0.342466	2.855305	0.004833	0.778576
cg071297							
31	chr7	99695537		-0.21983	-2.86452	0.004701	0.777399
cg169201							
23	chr9	1.4E+08		-0.22697	-2.85452	0.004844	0.778694
cg201326			ENSG000002554				
98	chr11	86617261	71;FZD4	0.411173	2.863147	0.00472	0.777399
cg122331							
00	chr12	1.14E+08		0.309718	2.86187	0.004738	0.777399
cg168037							
91	chr10	49813128		0.27969	2.853768	0.004855	0.778694
cg050378							
63	chr13	92305086		-0.40978	-2.86825	0.004648	0.777232
cg023242							
27	chr5	1.81E+08		0.315624	2.850215	0.004907	0.781969
cg093085							
36	chr10	1.34E+08		-0.28981	-2.85389	0.004853	0.778694
cg132525							
40	chr3	1.26E+08		0.34312	2.855392	0.004832	0.778576
cg192308							
00	chr10	1.33E+08		-0.40646	-2.85426	0.004848	0.778694
cg026779							
47	chr16	739463		-0.26858	-2.86494	0.004695	0.777399
cg158239							
54	chr5	1.43E+08		-0.44527	-2.85877	0.004783	0.777399
cg208338							
38	chr5	1.76E+08		0.374837	2.856638	0.004813	0.778295

cg058520							
08	chr20	45523541		-0.40115	-2.85778	0.004797	0.777399
cg171854							
04	chr3	70374240		-0.34595	-2.86027	0.004761	0.777399
cg063482							
45	chr10	74140821		-0.34963	-2.85422	0.004849	0.778694
cg209697							
81	chr17	5015309		0.173207	2.85828	0.00479	0.777399
cg223130							
25	chr6	1.05E+08		-0.36593	-2.85463	0.004843	0.778694
cg194035							
41	chr4	1.74E+08		-0.28125	-2.87005	0.004623	0.777232
cg034885							
22	chr2	2.2E+08		-0.20222	-2.85771	0.004798	0.777399
cg066521							
12	chr3	1.94E+08		0.188614	2.846367	0.004964	0.784229
cg112269							
13	chr14	29254961		0.389731	2.852312	0.004876	0.779765
cg255042							
22	chr19	4639508		-0.16274	-2.85452	0.004844	0.778694
cg170314							
78	chr12	54427173		0.310598	2.857522	0.004801	0.777423
cg099493							
66	chr6	12957651		0.242439	2.862399	0.004731	0.777399
cg036985							
39	chr16	68012273		-0.21766	-2.85875	0.004783	0.777399
cg021645							
74	chr2	1.77E+08		0.420797	2.859587	0.004771	0.777399
cg066558							
60	chr12	66524311		0.248123	2.856513	0.004815	0.778295
cg014735							
07	chr4	15163451		-0.33167	-2.85282	0.004869	0.779435
cg259506							
25	chr5	41510116		0.495803	2.858616	0.004785	0.777399
cg167643							
62	chr16	87682674 SLC7A5		-0.31674	-2.85302	0.004866	0.779435
cg085761							
97	chr17	80170622		0.233603	2.851845	0.004883	0.780273
cg039383							
53	chr16	87740479		-0.33601	-2.84913	0.004923	0.782501
cg265298							
33	chr12	49483619		0.313426	2.845026	0.004984	0.784229
cg106349							
50	chr1	1.66E+08		0.340088	2.852702	0.004871	0.779435
cg044640							
85	chr6	30923327		0.24389	2.861855	0.004739	0.777399
cg130701							
93	chr7	45613752		0.300415	2.847584	0.004946	0.783862
cg224518							
87	chr20	60969143		0.267873	2.866409	0.004674	0.777232

cg014791							
87	chr2	43158610		-0.35672	-2.8552	0.004834	0.778576
cg006630							
00	chr1	1.55E+08		0.341588	2.852777	0.00487	0.779435
cg102348							
41	chr13	73302007		0.175583	2.850011	0.00491	0.781969
cg108758							
68	chr12	48152928		0.212509	2.84986	0.004912	0.781969
cg173296							
91	chr19	3626947		-0.206	-2.84922	0.004922	0.782501
cg107618							
43	chr2	1.72E+08		-0.35704	-2.86481	0.004697	0.777399
cg148987							
79	chr7	23749607		-0.50665	-2.85863	0.004785	0.777399
cg268312							
41	chr2	1.76E+08		-0.21383	-2.86006	0.004764	0.777399
cg024446							
95	chr6	1.49E+08		0.386131	2.855735	0.004827	0.778576
cg072379							
79	chr11	1874017	LSP1;C11orf89	-0.67593	-2.84374	0.005003	0.785951
cg099927							
46	chr15	60285821		0.455392	2.843293	0.00501	0.786408
cg029772							
54	chr11	1.23E+08	CLMP	0.565625	2.855463	0.00483	0.778576
cg124055			PKNOX2;FAM11				
20	chr11	1.26E+08	8B	-0.31332	-2.84878	0.004928	0.782501
cg041064							
89	chr12	1.18E+08		-0.39053	-2.85093	0.004897	0.781896
cg233768							
61	chr18	43678713		0.375485	2.850496	0.004903	0.781969
cg226602							
07	chr4	1.74E+08		0.52516	2.85197	0.004881	0.780273
cg181532							
13	chr1	1.79E+08	TOR3A	-0.29101	-2.86408	0.004707	0.777399
cg078076							
90	chr1	41157266		-0.2081	-2.8626	0.004728	0.777399
ch.7.4132							
4965F	chr7	41358440		-0.40824	-2.85037	0.004905	0.781969
cg073681							
46	chr5	1.11E+08		-0.37779	-2.84963	0.004916	0.781969
cg099367							
99	chr5	1.4E+08		0.650856	2.848478	0.004933	0.782703
cg114007							
59	chr10	1.35E+08		-0.35683	-2.85283	0.004869	0.779435
cg045488							
56	chr14	57284528	TMEM260	0.423651	2.850903	0.004897	0.781896
cg185661							
25	chr3	1.6E+08		-0.39697	-2.85038	0.004905	0.781969

cg059761			RNU4ATAC16P;E				
68	chr12	611508	RC1	0.317729	2.845758	0.004973	0.784229
cg189884							
98	chr11	31824262		0.441151	2.846381	0.004964	0.784229
cg004953			CCDC13;HHATL-				
05	chr3	43659797	AS1;ZNF197-AS1	0.387513	2.844928	0.004986	0.784229
cg121012							
64	chr14	79792615		-0.37603	-2.84609	0.004968	0.784229
cg008240							
18	chr10	1.05E+08		0.45666	2.848805	0.004928	0.782501
cg049325							
44	chr1	2.1E+08		0.228257	2.845861	0.004972	0.784229
cg259988							
87	chr2	70676036		-0.39853	-2.84111	0.005043	0.787228
cg260283							
71	chr18	76163007		-0.29523	-2.83815	0.005088	0.787555
cg247398							
49	chr10	1.05E+08		-0.4344	-2.84535	0.004979	0.784229
cg052200							
42	chr16	721934		-0.30078	-2.84084	0.005047	0.787461
cg038045							
68	chr22	39548919	ATF4	0.257215	2.861564	0.004743	0.777399
cg189749							
26	chr1	1.1E+08	CELSR2	0.522548	2.866637	0.004671	0.777232
cg177558							
88	chr5	1.08E+08		0.31284	2.841341	0.005039	0.786981
cg220511							
99	chr15	22881539		0.355479	2.84887	0.004927	0.782501
cg011017							
82	chr1	2.03E+08	PTPN7	0.452557	2.853928	0.004853	0.778694
cg220466							
88	chr18	7122191		-0.32303	-2.84152	0.005037	0.786981
cg068877							
78	chr16	87101965		-0.38512	-2.84506	0.004984	0.784229
cg175462							
47	chr3	1.47E+08		0.395689	2.848367	0.004934	0.782703
cg208138							
27	chr6	1.7E+08		0.251326	2.858986	0.00478	0.777399
cg117309							
25	chr1	1.18E+08		-0.1746	-2.84591	0.004971	0.784229
cg195261							
66	chr5	1.1E+08		0.572127	2.845091	0.004983	0.784229
cg069135							
93	chr11	1.09E+08	C11orf65	0.37266	2.862735	0.004726	0.777399



		ENSG000001299					
cg019805		51;SCAMP4;PPA					
62	chr19	1174207	P2C	-0.25712	-2.84782	0.004943	0.783606
cg147800							
68	chr1	2.02E+08	KIF21B;PTPN7	-0.29091	-2.83939	0.005069	0.787461
cg001576							
38	chr1	10963932	PGD;KIF1B	-0.22887	-2.84318	0.005012	0.786408
cg232978							
91	chr8	1.04E+08		0.298239	2.837483	0.005098	0.787908
cg006646							
34	chr19	58513648	ZNF773;ZNF134	0.575751	2.838625	0.00508	0.787536
cg021721							
50	chr7	70597774		0.345857	2.838057	0.005089	0.787555
cg096269							
84	chr8	11566096		0.314361	2.839626	0.005065	0.787461
cg158272							
14	chr8	80522324		-0.36328	-2.84832	0.004935	0.782703
cg152153							
48	chr19	18344520		0.608503	2.836785	0.005109	0.787908
cg141191							
37	chr6	24477147	PPIAP29	-0.42037	-2.8367	0.00511	0.787908
cg063850							
79	chr16	89634522		-0.28523	-2.83957	0.005066	0.787461
ch.11.200							
7778R	chr11	96049266		0.440069	2.839681	0.005064	0.787461
cg122717							
97	chr8	50891864		-0.53148	-2.84634	0.004965	0.784229
cg225405							
52	chr6	1.67E+08		0.396212	2.834866	0.005138	0.788819
cg270733							
49	chr4	3640481		-0.49126	-2.83938	0.005069	0.787461
cg186899							
58	chr5	33936232		0.303731	2.840179	0.005057	0.787461
cg136027							
98	chr17	8152519		0.228742	2.839486	0.005067	0.787461
cg183536							
61	chr7	2250448		0.410635	2.86621	0.004677	0.777232
cg138821							
69	chr9	1.4E+08		-0.43716	-2.8389	0.005076	0.787536
cg028816							
84	chr19	45978153	HIF3A	0.42768	2.85658	0.004814	0.778295
cg113913							
35	chr1	1.2E+08		0.362111	2.849684	0.004915	0.781969
cg253348							
60	chr17	1094299		-0.36323	-2.84343	0.005008	0.78639
cg009080							
04	chr13	1.14E+08		0.39215	2.841599	0.005035	0.786981
cg206189							
96	chr20	33562784		0.27687	2.841738	0.005033	0.786981

cg156022							
41	chr14	27066771		0.473799	2.843895	0.005001	0.785951
cg117215							
54	chr14	1.02E+08		-0.41526	-2.85033	0.004906	0.781969
cg237834							
44	chr7	1130284		0.26216	2.842621	0.00502	0.786847
cg038526							
59	chr2	1827732		0.35907	2.8371	0.005104	0.787908
cg069467			ENSG000002622				
97	chr16	11422409	22;SOCS1	-0.60708	-2.8371	0.005104	0.787908
cg241548							
53	chr7	1.58E+08		-0.40252	-2.84587	0.004971	0.784229
cg125205							
49	chr2	1.62E+08		0.361769	2.83931	0.00507	0.787461
cg014920							
61	chr6	30919056	PPP1R18	-0.37277	-2.83179	0.005185	0.790074
cg122572							
33	chr6	29597083	ZNRD1-AS1	0.287527	2.833025	0.005166	0.790074
cg124267							
48	chr11	22454152		0.406589	2.840634	0.00505	0.787461
cg145156							
14	chr9	1.17E+08	FKBP15;BSPRY	0.308547	2.84175	0.005033	0.786981
cg147263							
57	chr15	85326723		0.284856	2.841527	0.005037	0.786981
cg164549							
40	chr6	4892329		-0.36082	-2.8453	0.00498	0.784229
cg106219							
24	chr7	39171070		-0.74066	-2.83829	0.005086	0.787555
cg261548							
19	chr5	1.58E+08		-0.3436	-2.84032	0.005055	0.787461
cg258311							
11	chr17	40713740		0.360404	2.835214	0.005133	0.788819
cg255991							
61	chr2	2.42E+08		0.281754	2.845587	0.004976	0.784229
cg188098							
55	chr15	57668539		-0.25999	-2.83915	0.005072	0.787536
cg064543							
80	chr22	50067053	CPT1B	-0.3285	-2.84592	0.004971	0.784229
cg012153							
28	chr16	34208792		-0.33645	-2.84571	0.004974	0.784229
cg101848							
89	chr8	86350919		0.246267	2.842712	0.005019	0.786847
cg013230							
98	chr16	89271303		0.359605	2.839463	0.005068	0.787461
cg048321							
77	chr10	77155143		0.438322	2.838513	0.005082	0.787536
cg139605							
76	chr13	43980408		-0.37623	-2.83055	0.005205	0.790074

cg275210							
93	chr2	25358056		-0.29289	-2.8455	0.004977	0.784229
cg190295							
36	chr11	69867425		-0.31532	-2.83337	0.005161	0.790074
cg048301							
47	chr1	53306959	ZCCHC11;SCP2	-0.36945	-2.83673	0.005109	0.787908
cg199339							
08	chr11	1.14E+08		-0.25276	-2.83877	0.005078	0.787536
cg263121							
49	chr1	1.8E+08		-0.31841	-2.8427	0.005019	0.786847
cg240652							
70	chr5	1.42E+08		0.428625	2.830016	0.005213	0.790074
cg082287							
24	chr1	78444087		0.388981	2.841958	0.00503	0.786981
cg062729							
16	chr22	42306237		-0.34317	-2.83765	0.005095	0.787908
cg233509							
04	chr17	4648580		0.364778	2.835437	0.005129	0.788819
cg219058							
19	chr17	5972032		0.396457	2.835109	0.005134	0.788819
cg140029							
50	chr11	65245129		-0.31432	-2.83619	0.005118	0.788529
cg167092							
32	chr17	72322154	HN1;ATP5H	0.446175	2.841878	0.005031	0.786981
cg001077							
72	chr14	57261886		0.469941	2.836987	0.005105	0.787908
cg219236							
19	chr14	29235469		0.318299	2.832318	0.005177	0.790074
cg079784							
72	chr4	1.23E+08	CCNA2	0.415828	2.835022	0.005135	0.788819
ch.21.788							
740F	chr21	46964226		-0.32109	-2.83865	0.00508	0.787536
cg018580			LINC01091;ANK				
89	chr4	1.25E+08	RD50;FAT4	0.499363	2.850001	0.00491	0.781969
cg023044							
65	chr2	1.77E+08		0.343018	2.842155	0.005027	0.786981
cg056614							
59	chr11	1.08E+08		-0.28146	-2.83395	0.005152	0.789835
cg069222							
48	chr10	1.35E+08		-0.5695	-2.83563	0.005126	0.788819
cg143053							
83	chr9	1.32E+08		-0.31127	-2.83058	0.005204	0.790074
cg239366			RASAL3;SYDE1;S				
09	chr19	15352972	NRPGP15	-0.3222	-2.82999	0.005213	0.790074
cg008381							
50	chr3	69788442		0.20766	2.845481	0.004977	0.784229
cg245527							
73	chr1	9100506		0.246729	2.844838	0.004987	0.784229

cg052118			HSH2D;FCHO1;J				
36	chr19	16999576	AK3;COLGALT1	-0.35662	-2.82955	0.00522	0.790074
cg060475							
87	chr3	1.17E+08		-0.45308	-2.82395	0.005308	0.793658
cg185001			C8orf34;ENSG00				
77	chr8	69387218	000248801	-0.3879	-2.83366	0.005156	0.790074
cg251537							
69	chr13	96707199		-0.50989	-2.83046	0.005206	0.790074
cg135866							
96	chr22	29458723		-0.74228	-2.82891	0.00523	0.790336
cg205469							
28	chr8	27167985		-0.28873	-2.8372	0.005102	0.787908
cg086687							
90	chr19	58220662	PEG3	0.424979	2.835335	0.005131	0.788819
cg022251							
37	chr17	2656868	ASPA	-0.28685	-2.83503	0.005135	0.788819
cg044376							
05	chr17	80922369		0.416793	2.840266	0.005056	0.787461
cg123118							
15	chr2	1.33E+08		0.648042	2.82792	0.005246	0.790638
cg208141							
79	chr4	940893		0.66583	2.83277	0.00517	0.790074
cg141743							
17	chr10	27703362		0.313596	2.831628	0.005188	0.790074
cg146732							
47	chr3	59136006		-0.41822	-2.83456	0.005143	0.789256
cg024713							
25	chr15	42290555		-0.31082	-2.82442	0.005301	0.79331
cg051231							
06	chr22	41212450		0.414505	2.825172	0.005289	0.79331
cg110589							
51	chr7	92855729		0.502317	2.831972	0.005182	0.790074
cg069084							
74	chr11	34460516		-0.41989	-2.8349	0.005137	0.788819
cg079881							
20	chr16	57520496		0.173908	2.831137	0.005195	0.790074
ch.11.252							
7482R	chr11	1.21E+08		-0.42081	-2.83843	0.005083	0.787536
cg118561							
89	chr19	16308750		-0.20423	-2.83259	0.005173	0.790074
cg030595							
28	chr6	1.28E+08		-0.23355	-2.83158	0.005189	0.790074
cg092304							
42	chr15	65809997		-0.2801	-2.83071	0.005202	0.790074
cg034903							
31	chr5	1.73E+08		0.30818	2.830359	0.005207	0.790074

cg107648			EML1;DEGS2;ENSG00000271417				
91	chr14	1E+08	G8;CCDC85C	-0.35944	-2.83648	0.005113	0.788143
cg258181							
09	chr3	1.87E+08		-0.44993	-2.83301	0.005166	0.790074
cg193254							
77	chr17	64688496	PITPNC1	0.489657	2.829664	0.005218	0.790074
cg044568							
92	chr11	6898245		-0.40335	-2.82429	0.005303	0.79331
cg250447							
01	chr12	7849439		-0.3457	-2.83725	0.005101	0.787908
cg187777							
74	chr17	1111345		-0.27242	-2.8279	0.005246	0.790638
cg087923			RPL27;ENSG000				
14	chr17	40714406	00267002	-0.28776	-2.82883	0.005231	0.790336
cg200195							
24	chr4	1.7E+08		0.463665	2.82274	0.005327	0.793658
cg110062			RAD51B;DDX18P				
88	chr14	69012387	1	0.329843	2.839874	0.005062	0.787461
cg125633							
72	chr8	25908503		0.429254	2.830358	0.005207	0.790074
cg085530							
82	chr17	79235567		-0.30991	-2.82789	0.005246	0.790638
cg113440							
26	chr11	71144007		-0.19621	-2.82184	0.005341	0.793658
cg076815							
79	chr12	54954396		0.552359	2.818452	0.005396	0.793662
cg167922							
30	chr16	27629665		0.393213	2.83114	0.005195	0.790074
cg245750							
83	chr11	7695485	OR5P1P	-0.31048	-2.8315	0.00519	0.790074
cg206128							
75	chr17	1094308		-0.52513	-2.81709	0.005417	0.793662
cg145318							
62	chr19	44764205		0.301479	2.822324	0.005334	0.793658
cg081254							
36	chr16	7855305		0.511047	2.831049	0.005197	0.790074
cg189367							
57	chr18	77623282		0.518811	2.830916	0.005199	0.790074

cg245165							
42	chr3	15374170		-0.20094	-2.82612	0.005274	0.79331
cg024577							
50	chr1	2E+08		0.317812	2.831791	0.005185	0.790074
cg023595							
89	chr17	8045663		-0.2365	-2.82817	0.005242	0.790638
ch.21.401							
39802R	chr21	41217932		-0.34097	-2.82543	0.005285	0.79331
cg116730							
92	chr10	23216727	COMMD3	0.511425	2.829089	0.005227	0.790336
cg259857							
34	chr19	58908421	ZIK1;ZNF135	0.253586	2.829631	0.005219	0.790074
cg239990							
81	chr1	1.78E+08		-0.37295	-2.82982	0.005216	0.790074
cg029940							
25	chr1	20902240		-0.37529	-2.82254	0.00533	0.793658
cg069333							
22	chr8	12654008		0.271305	2.828014	0.005244	0.790638
cg183801							
75	chr1	77334070		0.323117	2.82528	0.005287	0.79331
cg202233			ENSG000002720				
92	chr8	328499	05	-0.60563	-2.84376	0.005003	0.785951
cg129245							
73	chr6	1.39E+08		-0.37692	-2.8311	0.005196	0.790074
cg021050							
34	chr1	1.83E+08		0.265136	2.824568	0.005298	0.79331
cg271206							
49	chr7	94286261		0.29025	2.829333	0.005223	0.790317
cg262498							
73	chr10	25465430		0.301357	2.824809	0.005294	0.79331
cg180550							
07	chr6	31698226	SNORA38	0.453304	2.820531	0.005362	0.793658
cg008038							
27	chr10	43393846		0.394408	2.828486	0.005237	0.790635
cg190964							
60	chr4	89490818		-0.3509	-2.82147	0.005347	0.793658
cg141970							
71	chr4	81110459	PRDM8;ANTXR2	0.522432	2.823701	0.005312	0.793658
cg217493							
12	chr1	59248412		-0.37577	-2.82188	0.005341	0.793658
cg167861							
36	chr2	1.22E+08		-0.4749	-2.82598	0.005276	0.79331
cg097931							
18	chr10	1.04E+08		-0.20696	-2.82352	0.005315	0.793658
cg269377							
98	chr16	27326054		0.324774	2.835136	0.005134	0.788819
cg103274							
00	chr14	42075406		0.370837	2.828732	0.005233	0.790336
cg199648							
11	chr7	25896490	OSBPL3	0.402989	2.821816	0.005342	0.793658

cg27393126	chr1	75139364		0.239178	2.827415	0.005253	0.791311
cg00318347	chr8	25812500		0.497386	2.823568	0.005314	0.793658
cg09107432	chr20	2361461		-0.4467	-2.8198	0.005374	0.793658
cg15357118	chr2	1.29E+08		0.39111	2.832884	0.005168	0.790074
cg01547541	chr2	2.11E+08		-0.33411	-2.8328	0.00517	0.790074
cg10321208	chr1	53662243		-0.33981	-2.82489	0.005293	0.79331
cg06618254	chr22	20307980		0.213298	2.820734	0.005359	0.793658
cg19021221	chr1	52834398		-0.2931	-2.83163	0.005188	0.790074
cg02466926	chr10	1.27E+08		-0.26731	-2.81516	0.005449	0.793815
cg19012681	chr3	14643719		0.289639	2.82273	0.005327	0.793658
cg21911851	chr7	1.52E+08		-0.36739	-2.81621	0.005432	0.793662
cg05659526	chr1	1.61E+08		-0.27784	-2.81384	0.00547	0.793895
cg09275602	chr7	66370330		-0.30994	-2.81287	0.005486	0.795374
cg09757277	chr19	44529822	ZNF229	0.445359	2.827372	0.005254	0.791311
cg25297146	chr10	679399		0.823308	2.814965	0.005452	0.793815
cg25515639	chr17	78323799		-0.35469	-2.81449	0.005459	0.793815
cg22509027	chr19	38997351		0.500921	2.82141	0.005348	0.793658
cg25325636	chr20	57766896		0.466073	2.816119	0.005433	0.793662
cg03258495	chr8	1.35E+08		-0.31496	-2.8222	0.005336	0.793658
cg16763270	chr3	57131910		0.31556	2.820473	0.005363	0.793658
cg03995966	chr7	25219874		-0.24996	-2.82003	0.00537	0.793658
cg09977376	chr1	53951348		0.29115	2.823733	0.005311	0.793658
cg07027706	chr2	1.69E+08		0.47462	2.821079	0.005354	0.793658
cg07623116	chr2	2.34E+08	NPPC;UGT1A8;E NSG0000024870 5	-0.39248	-2.8156	0.005441	0.793662

cg063900						
41	chr7	1.4E+08	0.381639	2.817786	0.005406	0.793662
cg129818						
76	chr7	1E+08	0.296126	2.820655	0.00536	0.793658
cg069291						
52	chr1	4837112	-0.30882	-2.82505	0.005291	0.79331
cg135344						
24	chr7	44365292 COA1	-0.20655	-2.82447	0.0053	0.79331
cg008115						
35	chr6	31587543	-0.41785	-2.81449	0.005459	0.793815
ch.3.7842						
7614R	chr3	78344924	-0.26888	-2.82518	0.005288	0.79331
cg233148						
93	chr5	96881859	-0.58534	-2.81908	0.005385	0.793658
cg085505						
88	chr6	31696063	0.339021	2.824677	0.005296	0.79331
cg224269						
38	chr7	1423890	-0.27321	-2.83444	0.005144	0.789256
cg255485						
82	chr13	52598798	-0.42946	-2.84145	0.005038	0.786981
cg049851						
63	chr6	31476231	-0.37799	-2.81615	0.005433	0.793662
cg119330						
94	chr7	32111068	0.333852	2.814835	0.005454	0.793815
cg185761						
58	chr19	57702772	-0.17469	-2.82	0.005371	0.793658
cg138600						
06	chr19	6741178	0.483683	2.820919	0.005356	0.793658
cg004875						
06	chr8	1.44E+08	-0.28311	-2.82017	0.005368	0.793658
cg192482						
42	chr19	3094902	-0.23378	-2.81196	0.005501	0.795727
cg211695						
25	chr6	32862273	-0.30242	-2.83414	0.005149	0.78968
cg053697						
66	chr8	50629982	-0.3596	-2.83139	0.005191	0.790074
cg251347						
47	chr3	52480218	-0.23407	-2.82907	0.005228	0.790336
cg089953						
68	chr7	5632251	0.226587	2.816348	0.005429	0.793662
cg052650						
42	chr14	1.02E+08	-0.25028	-2.81969	0.005376	0.793658
cg159377						
84	chr19	54230170	-0.33565	-2.81619	0.005432	0.793662
cg150730						
65	chr12	34530380	0.339564	2.818888	0.005389	0.793658
cg183414						
91	chr13	38174258 POSTN	-0.52321	-2.82492	0.005293	0.79331
cg068173						
68	chr5	1.12E+08	0.392894	2.822597	0.005329	0.793658



cg004468							
07	chr17	2235848		-0.30467	-2.82048	0.005363	0.793658
cg088177							
86	chr2	2.33E+08		0.171049	2.815628	0.005441	0.793662
cg110912							
62	chr7	1.52E+08		-0.34796	-2.81611	0.005433	0.793662
cg262490							
46	chr1	50489823		0.376196	2.819157	0.005384	0.793658
cg185991							
62	chr15	31217417		0.332341	2.822824	0.005326	0.793658
cg005493							
75	chr2	1.72E+08		0.352199	2.814297	0.005463	0.793815
cg071071							
71	chr1	1.76E+08		0.276313	2.812121	0.005498	0.795727
cg201127							
35	chr8	95009646		0.312592	2.824422	0.0053	0.79331
cg091426							
47	chr16	75674568		0.396161	2.820286	0.005366	0.793658
cg075425							
40	chr16	89122431		-0.49494	-2.84503	0.004984	0.784229
cg102017							
12	chr2	40960283		-0.43103	-2.81561	0.005441	0.793662
cg262210							
19	chr6	4135837		0.203723	2.809224	0.005545	0.79684
cg007147							
25	chr10	94825576		0.493934	2.816984	0.005419	0.793662
cg253672							
06	chr8	1.42E+08		-0.33581	-2.82312	0.005321	0.793658
cg006864							
29	chr19	18207235		-0.30968	-2.81812	0.005401	0.793662
cg037108							
89	chr2	2.19E+08		0.349881	2.815647	0.005441	0.793662
cg027260							
18	chr3	1.23E+08	ADCY5;MYLK	0.172289	2.815773	0.005439	0.793662
cg235618							
06	chr11	9483653		0.337895	2.819215	0.005383	0.793658
cg020545							
59	chr17	41856495		0.176111	2.824339	0.005302	0.79331
cg184625							
21	chr2	64879911	CEP68	0.52766	2.816611	0.005425	0.793662
cg220306							
98	chr7	75931773		0.191191	2.817271	0.005414	0.793662
cg149734							
08	chr5	1.56E+08		-0.41162	-2.82997	0.005213	0.790074
cg223030							
45	chr6	1.01E+08		0.365721	2.814081	0.005466	0.793815
cg056229							
15	chr19	571204		-0.33901	-2.81357	0.005474	0.794252
cg012744							
21	chr12	76084549		-0.57765	-2.82692	0.005261	0.792097

cg243313							
12	chr11	44971833		-0.17959	-2.81626	0.005431	0.793662
cg116358							
39	chr11	1.29E+08		-0.38624	-2.8207	0.00536	0.793658
cg088979							
24	chr1	52832660		0.330844	2.816186	0.005432	0.793662
cg241074							
53	chr1	7720977		-0.31507	-2.80545	0.005608	0.79684
cg166628							
21	chr8	41164679		0.286464	2.817738	0.005407	0.793662
cg021309							
05	chr8	27116213		-0.26696	-2.82089	0.005356	0.793658
cg024803							
20	chr5	2135054		-0.34027	-2.80894	0.00555	0.79684
cg060537			CCDC40;ENSG00				
02	chr17	78872709	000263069	0.224113	2.812309	0.005495	0.795727
cg237650							
86	chr7	44348976		0.468596	2.819967	0.005371	0.793658
cg222268							
04	chr8	1.42E+08		0.50794	2.826278	0.005271	0.79331
cg095301			ANO1;SHANK2;S				
56	chr11	69867139	HANK2-AS1	-0.38841	-2.81562	0.005441	0.793662
cg092949							
37	chr2	2.19E+08		-0.36828	-2.80727	0.005578	0.79684
cg076719							
49	chr6	1.52E+08		0.349323	2.82208	0.005338	0.793658
cg083202							
25	chr16	54689252		0.431139	2.811911	0.005501	0.795727
cg209522							
04	chr7	32931388		-0.22676	-2.806	0.005599	0.79684
cg050200							
81	chr14	1.02E+08		0.408606	2.80941	0.005542	0.79684
cg050767							
30	chr8	1.29E+08	PVT1	0.439795	2.818588	0.005393	0.793662
cg051811							
86	chr4	85504391		-0.26012	-2.80812	0.005564	0.79684
cg035396							
23	chr11	75294284	SERPINH1	-0.37576	-2.80956	0.00554	0.79684
cg004737							
49	chr7	63955932		0.550666	2.81769	0.005408	0.793662
cg058272							
33	chr18	33484837		-0.26535	-2.81769	0.005408	0.793662
cg119262							
68	chr2	2.2E+08		0.233763	2.8094	0.005543	0.79684
cg077973							
67	chr6	84136471		-0.48183	-2.81785	0.005405	0.793662

cg058262							
55	chr18	55019307		0.408458	2.80347	0.005641	0.79684
cg120909							
94	chr14	1.05E+08		-0.30155	-2.80813	0.005563	0.79684
cg009105							
86	chr8	54522246		0.571225	2.807069	0.005581	0.79684
cg193520							
62	chr8	9791449		0.347417	2.814394	0.005461	0.793815
cg141197							
06	chr14	60180222		-0.47804	-2.80476	0.005619	0.79684
cg052519							
52	chr4	1.66E+08		0.390629	2.807971	0.005566	0.79684
cg167429							
90	chr6	1.28E+08		-0.44179	-2.80458	0.005622	0.79684
cg086908							
59	chr2	2E+08		0.344013	2.810785	0.00552	0.796297
cg000423							
35	chr10	70587154		-0.1695	-2.80137	0.005676	0.797531
cg158681							
78	chr3	1.21E+08		-0.32451	-2.81181	0.005503	0.795727

			DNAH10;TCTN2; CCDC92;ZNF664; DHX37;DNAH10 OS;ATP6V0A2				
cg167062							
40	chr12	1.25E+08		0.304762	2.805896	0.0056	0.79684
cg125334							
79	chr10	1.27E+08		-0.22793	-2.81086	0.005519	0.796297
cg010176							
08	chr13	91627026		0.326813	2.831548	0.005189	0.790074
cg117061							
77	chr7	1.56E+08		0.267685	2.814365	0.005461	0.793815
cg176936							
69	chr2	8711075		0.439683	2.806392	0.005592	0.79684
cg032862							
02	chr11	71639070		-0.24362	-2.80859	0.005556	0.79684
cg248284							
55	chr3	1.93E+08		0.361374	2.812542	0.005491	0.795636
cg108510							
33	chr14	65377797		-0.54041	-2.80398	0.005632	0.79684
cg000835							
35	chr8	1.41E+08		-0.29069	-2.80599	0.005599	0.79684
cg004356							
06	chr17	16257223		0.397097	2.80539	0.005609	0.79684
cg262296							
48	chr11	58390406		-0.32034	-2.82281	0.005326	0.793658
cg194217							
52	chr5	1225224		-0.34387	-2.80894	0.00555	0.79684

cg256251						
46	chr22	37213081	0.339732	2.803318	0.005643	0.79684
cg101766						
92	chr11	48238296	0.555341	2.815943	0.005436	0.793662
cg115623						
12	chr8	1.44E+08	-0.35778	-2.80917	0.005546	0.79684
cg107413						
33	chr14	72400168	0.398726	2.811191	0.005513	0.796196
cg163572						
87	chr18	12947517	0.215837	2.81452	0.005459	0.793815
cg091824						
35	chr1	7579016	-0.29688	-2.8194	0.00538	0.793658
cg079621						
28	chr13	37004812	0.365187	2.81077	0.00552	0.796297
cg198448						
29	chr12	1.2E+08 SRSF9	0.451353	2.799175	0.005713	0.800051
ch.19.122						
42617R	chr19	12381617	-0.43108	-2.81	0.005533	0.796783
cg040280						
99	chr9	1.16E+08	-0.33786	-2.80576	0.005603	0.79684
cg243000						
12	chr2	32853008	-0.22052	-2.8054	0.005609	0.79684
cg015242						
78	chr12	54355460	0.334715	2.807998	0.005566	0.79684
cg097849						
77	chr15	83361057 RPS17	0.332962	2.810615	0.005523	0.796366
cg149291						
48	chr8	1.45E+08	-0.17027	-2.80916	0.005546	0.79684
cg216707						
52	chr8	41997579	-0.17964	-2.82041	0.005364	0.793658
cg061247						
93	chr11	1939725 LSP1	-0.3704	-2.80668	0.005588	0.79684
cg139871						
92	chr12	6933322	0.356254	2.819771	0.005374	0.793658
cg011885						
84	chr16	103901	0.201124	2.803666	0.005638	0.79684
cg077469						
43	chr3	238615	0.70258	2.813988	0.005468	0.793815
cg131706						
40	chr8	98471635	-0.35438	-2.80303	0.005648	0.79684
cg196193						
87	chr17	1881036 MIR22HG	0.233625	2.817512	0.005411	0.793662
cg118368						
84	chr10	11934313	-0.34175	-2.80874	0.005553	0.79684
cg273987						
20	chr4	1.12E+08	0.344817	2.796908	0.005751	0.800479
cg264520						
56	chr10	1.32E+08	0.393532	2.803652	0.005638	0.79684
cg178438						
87	chr1	2542359	0.358723	2.797261	0.005745	0.800479

cg238782			CLIP1;ENSG0000				
05	chr12	1.23E+08	0256304	-0.47887	-2.8052	0.005612	0.79684
cg040485							
17	chr2	2.02E+08		0.319575	2.808143	0.005563	0.79684
cg260909							
40	chr12	60130454		-0.30835	-2.80664	0.005588	0.79684
cg247880							
28	chr19	30869034		-0.41155	-2.80268	0.005654	0.79684
cg171187							
75	chr8	74282812		0.841383	2.804022	0.005632	0.79684
cg007023							
25	chr1	17665930		-0.34959	-2.80409	0.005631	0.79684
cg159340							
90	chr1	1E+08		-0.31221	-2.81505	0.00545	0.793815
cg043785							
18	chr20	60585259		-0.38202	-2.8133	0.005479	0.794635
cg056581							
73	chr20	43377579	WFDC6	-0.31255	-2.81554	0.005442	0.793662
cg037434							
32	chr4	1.64E+08		0.450983	2.812145	0.005498	0.795727
cg249599							
65	chr18	76543059		-0.28968	-2.79598	0.005767	0.800479
cg207456							
52	chr12	69979104		-0.29634	-2.80373	0.005636	0.79684
cg050546							
83	chr16	1124349		-0.58601	-2.81892	0.005388	0.793658
cg176416							
31	chr3	4535021		-0.26198	-2.80563	0.005605	0.79684
cg232759							
72	chr7	1.57E+08		-0.43341	-2.80256	0.005656	0.79684
cg068262							
83	chr7	600452		-0.33016	-2.80025	0.005695	0.79902
cg109930							
74	chr6	31627313		0.264344	2.797705	0.005738	0.800479
cg012993							
69	chr10	1.03E+08		-0.2794	-2.80334	0.005643	0.79684
cg052262							
83	chr9	21560355		-0.57085	-2.81041	0.005526	0.796366
cg018593							
12	chr8	1.46E+08		-0.36921	-2.79426	0.005797	0.800495
cg137999							
41	chr7	96632294		0.26229	2.803173	0.005646	0.79684
cg219355							
49	chr17	48198183		-0.20819	-2.79479	0.005788	0.800479
cg242969							
20	chr10	1.24E+08		-0.30704	-2.81132	0.005511	0.796196
cg126835							
33	chr4	1.85E+08		-0.35904	-2.80272	0.005653	0.79684

cg162471							
84	chr17	63822421		-0.52423	-2.80209	0.005664	0.79684
cg249176							
73	chr19	17798755		0.438286	2.797842	0.005736	0.800479
cg018200							
93	chr3	55202157		-0.41245	-2.81253	0.005491	0.795636
cg218316							
12	chr13	1.12E+08		-0.42652	-2.79577	0.005771	0.800479
cg098754			SLC4A8;OR7E47				
44	chr12	52317302	P;TFCP2	-0.28328	-2.80704	0.005581	0.79684
cg012989							
45	chr14	73259435		-0.3181	-2.80385	0.005635	0.79684
cg260676							
47	chr19	1420404		0.282655	2.8114	0.00551	0.796196
cg268564							
75	chr5	1.41E+08		0.385433	2.800186	0.005696	0.79902
cg037778							
68	chr7	1.35E+08		-0.29481	-2.80159	0.005672	0.797265
cg081643							
71	chr1	18967220		0.202417	2.799564	0.005706	0.799443
cg264468							
16	chr2	2.37E+08		-0.34724	-2.79656	0.005757	0.800479
cg012025							
19	chr11	85645743		0.477102	2.801942	0.005666	0.79684
cg165789							
38	chr5	1.79E+08	ADAMTS2;GFPT2	-0.29461	-2.79731	0.005745	0.800479
cg160363							
05	chr1	1.15E+08		-0.15031	-2.80359	0.005639	0.79684
cg048798							
32	chr16	88717456		-0.18823	-2.80189	0.005667	0.79684
cg009270							
35	chr11	45825445		0.287051	2.802095	0.005664	0.79684
cg093943							
06	chr2	20330742		-0.30684	-2.80801	0.005565	0.79684
cg065564							
97	chr18	76828521		0.470452	2.796604	0.005757	0.800479
cg010911							
56	chr16	87991122		-0.28673	-2.80023	0.005695	0.79902
cg107705							
33	chr1	2997542		-0.29151	-2.79739	0.005743	0.800479
cg087665							
03	chr6	32822246		-0.33464	-2.81409	0.005466	0.793815
cg247016							
06	chr13	1.15E+08		-0.37513	-2.80374	0.005636	0.79684
cg155716							
86	chr13	1.13E+08		-0.39361	-2.8104	0.005526	0.796366
cg183835							
38	chr6	28557823	ZSCAN12	0.396394	2.803871	0.005634	0.79684

cg107006							
34	chr1	6566528		-0.34885	-2.8022	0.005662	0.79684
ch.19.748							
535F	chr19	17764577		-0.35551	-2.80113	0.00568	0.797835
cg152037			SLAMF8;FCRL6;A				
77	chr1	1.59E+08	IM2;CCDC19	-0.31928	-2.79448	0.005793	0.800479
cg202201							
96	chr16	111753		0.366567	2.803844	0.005635	0.79684
cg035854							
47	chr15	29077683	APBA2	0.372005	2.794802	0.005787	0.800479
cg008740							
73	chr17	73073329		0.24164	2.811154	0.005514	0.796196
cg257228							
80	chr19	8396681		-0.299	-2.80478	0.005619	0.79684
cg204798							
05	chr18	43684716	TCEB3B	-0.28393	-2.80067	0.005688	0.798671
cg078512							
78	chr18	21033426		-0.24622	-2.79957	0.005706	0.799443
cg007445							
24	chr6	44239416		-0.24559	-2.80406	0.005631	0.79684
cg236583							
62	chr1	1.8E+08	TOR1AIP2	-0.2811	-2.79296	0.005819	0.800567
cg108172							
23	chr8	1.45E+08		-0.35981	-2.80223	0.005662	0.79684
cg042285			CCDC174;ENSG0				
53	chr3	15247818	0000251576	-0.23803	-2.79456	0.005792	0.800479
cg030136							
99	chr7	50772477		-0.30144	-2.80309	0.005647	0.79684
cg195348							
05	chr19	6418059		0.365133	2.798686	0.005721	0.800211
cg001755							
79	chr6	33272215	HLA-DOA	0.30004	2.806461	0.005591	0.79684
cg247604							
14	chr11	3167563		0.342046	2.792818	0.005821	0.800567
cg142066							
68	chr10	31955302		0.276413	2.805887	0.005601	0.79684
cg276396							
62	chr4	81111393	PRDM8	0.362876	2.789902	0.005872	0.801315
cg264298							
56	chr1	1.84E+08		-0.21335	-2.80468	0.005621	0.79684
cg198084							
83	chr19	56011528		-0.24342	-2.80321	0.005645	0.79684
cg030525							
41	chr17	78925543		-0.21947	-2.80351	0.00564	0.79684
cg004224							
74	chr8	67261068		0.464554	2.793983	0.005801	0.800495

cg075397							
98	chr5	1.41E+08	WDR55;DIAPH1	0.444338	2.795802	0.00577	0.800479
cg250968							
47	chr8	95274654		-0.24398	-2.80475	0.005619	0.79684
cg276278							
03	chr17	20744682		0.50726	2.795322	0.005779	0.800479
cg196972							
39	chr12	752646		0.449558	2.790009	0.00587	0.801315
cg033470							
95	chr7	1.58E+08		-0.42549	-2.79747	0.005742	0.800479
cg034437							
51	chr19	37407462		0.228162	2.795557	0.005775	0.800479
cg200343							
72	chr15	37179610		-0.33817	-2.79217	0.005833	0.800567
cg180521							
06	chr6	93354363		0.49052	2.789799	0.005874	0.801315
cg027691							
04	chr1	27333245	CD52	0.237219	2.807816	0.005569	0.79684
cg095761							
24	chr4	1807287		-0.3306	-2.79439	0.005794	0.800479
cg022981							
16	chr14	57264579		0.344458	2.789237	0.005883	0.802132
cg044762							
86	chr9	1.4E+08		-0.349	-2.7936	0.005808	0.800557
cg111887							
41	chr12	42876885		0.236251	2.795067	0.005783	0.800479
cg154907							
15	chr6	29521568		0.621355	2.791927	0.005837	0.800567
cg050371							
68	chr11	46259470		0.27217	2.808827	0.005552	0.79684
cg226665							
98	chr13	27073814	WASF3	-0.55597	-2.79166	0.005841	0.800567
cg063022							
95	chr16	58764886		-0.33399	-2.80253	0.005657	0.79684
cg176533							
68	chr5	1.26E+08	ALDH7A1	0.36705	2.792144	0.005833	0.800567
cg025509							
49	chr12	22777790		-0.36056	-2.79495	0.005785	0.800479
cg239840							
35	chr1	2719864		-0.29262	-2.79509	0.005782	0.800479
cg115310							
21	chr2	2.2E+08		0.22643	2.797812	0.005736	0.800479
cg096187							
73	chr8	1049167		-0.54759	-2.79243	0.005828	0.800567
cg169359							
80	chr7	1.55E+08		0.405084	2.796091	0.005765	0.800479
cg180718							
32	chr13	23345152		0.389976	2.79778	0.005737	0.800479
cg023340							
81	chr10	45475126		-0.21744	-2.79162	0.005842	0.800567



cg094226						
14	chr19	54484823 ZNF415	0.359542	2.791543	0.005843	0.800567
cg123446						
05	chr17	11924919	0.253889	2.791439	0.005845	0.800567
cg074822						
57	chr5	1.74E+08	0.48934	2.792017	0.005835	0.800567
cg275705						
96	chr5	6633851	0.213442	2.796512	0.005758	0.800479
cg062641						
83	chr20	35202306	-0.43246	-2.78536	0.005951	0.803674
cg136432						
40	chr11	1.03E+08	0.360042	2.797223	0.005746	0.800479
cg029870						
95	chr1	1.46E+08	0.314556	2.798796	0.005719	0.800211
cg219428						
93	chr19	835499 HMHA1	0.434476	2.787503	0.005913	0.80338
cg157291						
37	chr19	36024282	0.478695	2.793852	0.005804	0.800495
cg048411						
21	chr21	47529764	-0.21314	-2.80286	0.005651	0.79684
cg087512						
65	chr13	95366044 GPC6	-0.25795	-2.789	0.005887	0.802442
cg264729						
73	chr7	1.58E+08	-0.30517	-2.79543	0.005777	0.800479
cg210476						
95	chr8	63614552	0.525177	2.787425	0.005915	0.80338
cg267751						
76	chr6	27725308	0.331992	2.78644	0.005932	0.80338
cg100797						
40	chr16	55513480	0.772596	2.798438	0.005726	0.800479
cg196113						
92	chr18	56888922	0.34526	2.796737	0.005754	0.800479
cg156827						
97	chr8	1049394	-0.59824	-2.78499	0.005958	0.803777
cg107310						
73	chr4	1.26E+08	0.398864	2.787602	0.005912	0.80338
cg009432						
45	chr5	1.41E+08 PCDH1	-0.27192	-2.79879	0.00572	0.800211
cg149327						
94	chr17	52977932	-0.22617	-2.78487	0.00596	0.803777
cg144228						
99	chr14	95538385	-0.24983	-2.79081	0.005856	0.801234
cg266016						
60	chr17	79849648 FN3KRP	-0.1886	-2.78809	0.005903	0.803051
cg131665						
32	chr14	50418578 KLHDC1	-0.43542	-2.7927	0.005824	0.800567
cg087396						
51	chr10	51784888	0.486579	2.788489	0.005896	0.802921
cg032764						
08	chr13	1.13E+08	0.313367	2.803881	0.005634	0.79684

cg044698							
80	chr19	36736565		0.302485	2.791432	0.005845	0.800567
cg060560							
28	chr17	17184997		0.552496	2.781893	0.006012	0.804467
cg004105							
76	chr15	52311136		-0.3246	-2.79502	0.005784	0.800479
cg001222							
15	chr14	68086827		-0.3156	-2.79373	0.005806	0.800495
cg109134							
56	chr6	35656590		0.16442	2.791555	0.005843	0.800567
cg172188							
82	chr3	1.39E+08		-0.34917	-2.78649	0.005931	0.80338
cg190624							
89	chr19	15662114		0.318678	2.790273	0.005865	0.801315
cg175890							
56	chr13	72454090		0.466531	2.79974	0.005704	0.799443
cg246130							
50	chr10	81743128		0.30775	2.785495	0.005949	0.803674
cg192759							
78	chr2	60983087 KIAA1841		0.360585	2.793027	0.005818	0.800567
cg133619							
20	chr10	94333759		-0.23168	-2.78851	0.005896	0.802921
cg016015							
73	chr4	1.44E+08		0.313671	2.791066	0.005852	0.80111
cg167785							
27	chr15	45406477		-0.21239	-2.79787	0.005735	0.800479
cg238770			VWF;IFFO1;CLST				
43	chr12	6818384 N3		-0.55928	-2.79591	0.005769	0.800479
cg266311							
27	chr19	54568346		0.331114	2.799086	0.005715	0.800051
cg178392							
59	chr20	62715661		-0.17191	-2.7898	0.005873	0.801315
cg027706							
72	chr6	1.64E+08		-0.56975	-2.78526	0.005953	0.803674
cg115250			ENSG000002507				
11	chr12	1.33E+08 90		0.554227	2.786323	0.005934	0.80338
cg138129							
37	chr17	26793413		0.361221	2.791415	0.005846	0.800567
cg078654							
44	chr8	47866659		0.457221	2.794626	0.00579	0.800479
cg009122							
77	chr7	55313376		-0.73305	-2.7933	0.005813	0.800567
cg104049							
50	chr11	1.07E+08		-0.31118	-2.79384	0.005804	0.800495
cg020468							
54	chr7	2699640		-0.33103	-2.78128	0.006023	0.804467
cg119207							
37	chr2	64880293		0.51798	2.785398	0.00595	0.803674

cg195488							
62	chr14	67692701		-0.37384	-2.78828	0.0059	0.802995
cg011835							
79	chr11	66512052		-0.19125	-2.78467	0.005963	0.803777
			ENSG000002252				
cg245382			16;NRP2;ENSG0				
92	chr2	2.07E+08	0000180672	0.37838	2.781805	0.006014	0.804467
cg098619							
92	chr6	29342815		-0.39229	-2.79445	0.005793	0.800479
cg128435							
28	chr6	32016803		-0.3657	-2.78623	0.005936	0.80338
cg220507							
05	chr3	44666898		0.37694	2.784438	0.005967	0.803823
cg013501							
69	chr10	98862384		-0.26689	-2.78407	0.005974	0.804184
cg044609							
84	chr15	78933630	ADAMTS7	0.360546	2.789266	0.005883	0.802132
cg084523							
27	chr11	1.28E+08		-0.32194	-2.79995	0.0057	0.799325
cg182261							
66	chr19	45996901	PPM1N	0.332686	2.788472	0.005897	0.802921
cg146158							
07	chr1	55464173		-0.26252	-2.79199	0.005836	0.800567
cg110256			ENSG000002258				
04	chr11	72182728	05	-0.30346	-2.79097	0.005853	0.80111
cg112295							
78	chr19	2230593		0.20334	2.785675	0.005945	0.803674
cg064034							
22	chr16	30970886		0.251522	2.775436	0.006127	0.805651
cg154007							
03	chr14	93391194		-0.27427	-2.7818	0.006014	0.804467
cg060823							
18	chr13	1.02E+08		-0.49625	-2.78127	0.006023	0.804467
cg184043							
74	chr3	26663551	SLC4A7	0.439969	2.784253	0.00597	0.804008
cg025995							
51	chr9	1E+08		-0.33198	-2.78823	0.005901	0.802995
cg224359							
82	chr17	42441259		0.242192	2.79269	0.005824	0.800567
cg129403							
37	chr11	1023614		-0.35132	-2.77871	0.006069	0.805058
cg254125							
46	chr5	76925450		0.335529	2.79379	0.005805	0.800495
cg230504							
37	chr7	45197609		-0.33686	-2.78572	0.005945	0.803674
cg026882							
26	chr5	68665548		0.205688	2.783751	0.005979	0.804184

cg275041							
17	chr2	2.41E+08		0.253929	2.780377	0.006039	0.804467
cg040578							
58	chr8	10383763	BLK	-0.32481	-2.77767	0.006087	0.805539
cg177169							
30	chr19	51017331		-0.32405	-2.78699	0.005922	0.80338
			ODF3B;RABL2B;T				
			YMP;DENND6B;				
			RPL23AP82;SCO				
cg092262							
88	chr22	51225561	2	-0.29767	-2.78241	0.006003	0.804467
cg174287							
74	chr17	73070880		-0.33027	-2.78671	0.005927	0.80338
cg199941							
59	chr13	22794813		-0.30859	-2.78209	0.006009	0.804467
cg157705							
15	chr3	1.19E+08		-0.48744	-2.78246	0.006002	0.804467
cg206460							
18	chr12	4430090	DYRK4	-0.23323	-2.77713	0.006097	0.805651
cg168744							
42	chr9	25678485		0.288009	2.787771	0.005909	0.80338
cg096835							
66	chr17	21002807		0.189062	2.779782	0.00605	0.804777
cg093911							
36	chr5	1.77E+08		0.735775	2.775532	0.006126	0.805651
cg061328							
76	chr6	31692080		0.214608	2.786816	0.005925	0.80338
cg197598							
47	chr17	56283364		-0.57471	-2.81903	0.005386	0.793658
cg250940							
81	chr6	31829205		0.285399	2.778956	0.006064	0.804922
cg079153							
43	chr11	18477680		0.524462	2.785239	0.005953	0.803674
cg197973							
76	chr1	47695475		0.331144	2.784755	0.005962	0.803777
cg248220							
53	chr19	18979397		0.618486	2.797311	0.005745	0.800479
			MAP3K13;EHHA				
cg043808							
73	chr3	1.84E+08	DH;ABCC5;CHRD	-0.3903	-2.79263	0.005825	0.800567
cg170776							
39	chr6	31055492		-0.50304	-2.78215	0.006008	0.804467
cg134609							
42	chr1	52870042		-0.36589	-2.77818	0.006078	0.805085
cg201654							
16	chr10	89264080		0.490397	2.786436	0.005932	0.80338
cg085502							
05	chr17	45786854		0.459388	2.778876	0.006066	0.804922

cg181540							
14	chr19	37997991	0.273049	2.774531	0.006144	0.805651	
cg055687							
61	chr17	42297957	-0.23702	-2.78251	0.006001	0.804467	
cg081666							
31	chr1	40599011	0.485637	2.780443	0.006038	0.804467	
cg105117							
58	chr4	2817055 LETM1	-0.28794	-2.77594	0.006118	0.805651	
cg093679							
01	chr14	54418851 CDKN3	0.561988	2.782271	0.006005	0.804467	
cg092120							
58	chr2	37543459	-0.3816	-2.78549	0.005949	0.803674	
cg225103							
76	chr5	1.79E+08	0.340825	2.77905	0.006063	0.804922	
cg072008							
50	chr16	74808755	-0.23572	-2.77998	0.006046	0.804777	
cg065220							
54	chr18	11752538	0.42646	2.7945	0.005793	0.800479	
cg251526							
31	chr3	1.41E+08	-0.29588	-2.79	0.00587	0.801315	
cg029067							
87	chr1	1.55E+08 YY1AP1	-0.20856	-2.78682	0.005925	0.80338	
cg200670							
89	chr7	1E+08	0.249395	2.782365	0.006004	0.804467	
cg250405							
62	chr14	99850049	-0.33094	-2.77661	0.006106	0.805651	
cg235212							
81	chr2	1.9E+08 HIBCH	-0.27519	-2.78274	0.005997	0.804467	
cg059283							
42	chr19	9473598	0.337012	2.787204	0.005919	0.80338	
cg167358							
21	chr18	13727230	-0.22053	-2.77943	0.006056	0.804868	
cg138268							
62	chr9	1.31E+08	0.183426	2.780439	0.006038	0.804467	
cg063243							
73	chr10	99734805	0.583139	2.780594	0.006035	0.804467	
cg032172							
09	chr5	1.15E+08	-0.28168	-2.79002	0.00587	0.801315	
cg207582							
19	chr3	1.39E+08	0.55937	2.772638	0.006178	0.805651	
cg270796		SLC36A1;ZNF300					
80	chr5	1.5E+08 P1	0.444388	2.782514	0.006001	0.804467	
cg060497							
91	chr20	43280726	-0.248	-2.77427	0.006148	0.805651	
cg085183							
29	chr2	20101943	0.210964	2.789844	0.005873	0.801315	
cg264765							
74	chr10	27485901	-0.37644	-2.77194	0.006191	0.805651	

cg042376						
62	chr11	1.17E+08	-0.22225	-2.77661	0.006106	0.805651
cg028398						
11	chr19	51607208	-0.3444	-2.77412	0.006151	0.805651
cg115279						
88	chr1	2.37E+08	0.600019	2.780336	0.00604	0.804467
cg217240						
44	chr7	1.07E+08	-0.40552	-2.77898	0.006064	0.804922
cg132548						
98	chr17	1957794	-0.26932	-2.77967	0.006052	0.804792
cg017532						
52	chr16	88757588	-1.76681	-2.76915	0.006242	0.805651
cg171192						
79	chr8	1049477	-0.52437	-2.77356	0.006161	0.805651
cg271054						
46	chr14	23504664	0.358721	2.770692	0.006213	0.805651
cg056375						
36	chr1	1.54E+08	0.399463	2.787105	0.00592	0.80338
cg194760						
37	chr6	1.69E+08	0.284737	2.780598	0.006035	0.804467
cg018477						
19	chr11	34460557	-0.50005	-2.79496	0.005785	0.800479
cg166985						
21	chr6	1.67E+08	0.43945	2.773086	0.00617	0.805651
cg266774						
31	chr1	1.17E+08	0.336692	2.774789	0.006139	0.805651
cg012294						
52	chr17	7350282 KIAA0753	0.32874	2.775789	0.006121	0.805651
cg161998						
81	chr4	1.87E+08	0.529669	2.77449	0.006144	0.805651
cg023569						
93	chr15	27111476	0.284526	2.77592	0.006119	0.805651
cg040653						
38	chr2	1.21E+08	0.321284	2.772561	0.006179	0.805651
cg248568						
02	chr10	1.33E+08	-0.33757	-2.778	0.006081	0.805085
cg137303						
58	chr10	1.34E+08	0.389398	2.789933	0.005871	0.801315
cg264827						
57	chr15	85999002	0.380758	2.775584	0.006125	0.805651
cg039032						
50	chr6	1.59E+08	-0.43063	-2.78197	0.006011	0.804467
cg107601						
12	chr17	1420209	-0.27326	-2.77274	0.006176	0.805651
cg145170						
67	chr3	1.97E+08	0.195271	2.783802	0.005978	0.804184
cg262843						
00	chr6	90025968	-0.3295	-2.76707	0.00628	0.805651
cg194404						
84	chr8	93977688	0.338766	2.770348	0.00622	0.805651

cg248172							
16	chr8	63516617		-0.39677	-2.78056	0.006036	0.804467
cg058593							
23	chr12	1.21E+08		0.298957	2.775093	0.006134	0.805651
cg039461							
86	chr1	1.98E+08		0.416615	2.770524	0.006216	0.805651
cg073661							
96	chr12	1.28E+08		0.216914	2.776956	0.0061	0.805651
cg184986							
84	chr8	1.41E+08		-0.28702	-2.77409	0.006152	0.805651
cg100849							
02	chr5	1.68E+08		0.290178	2.773917	0.006155	0.805651
ch.11.115							
5333R	chr11	60687684		-0.30616	-2.78381	0.005978	0.804184
cg141884							
81	chr12	99038318		-0.22963	-2.77365	0.00616	0.805651
cg057591							
50	chr10	1.25E+08		0.235018	2.787017	0.005922	0.80338
cg000334							
57	chr8	74884507		-0.2668	-2.77293	0.006173	0.805651
cg154758							
40	chr10	1.03E+08		0.351629	2.766312	0.006294	0.805651
cg261879							
42	chr6	83837754		-0.28796	-2.78001	0.006045	0.804777
cg103296							
94	chr17	3592947	P2RX5;ITGAE	-0.26742	-2.77026	0.006221	0.805651
cg148806							
55	chr20	33133505		-0.30957	-2.78228	0.006005	0.804467
cg027048							
95	chr6	28109581		-0.25055	-2.78072	0.006033	0.804467
cg052319							
30	chr16	57758366		-0.37846	-2.76915	0.006242	0.805651
cg203666							
33	chr6	32797234		0.32616	2.772849	0.006174	0.805651
cg100846							
44	chr7	99775521		0.561482	2.771709	0.006195	0.805651
cg226333							
90	chr7	1.01E+08		0.244764	2.780336	0.00604	0.804467
cg174594							
97	chr2	3675253		-0.28762	-2.76553	0.006308	0.805651
cg267415							
30	chr10	1.05E+08		0.391147	2.771507	0.006199	0.805651
cg161968							
12	chr10	1.2E+08		0.384445	2.769219	0.00624	0.805651
cg001702							
36	chr7	99691604		0.264984	2.774485	0.006145	0.805651
cg246872							
76	chr15	89163928		0.384972	2.772309	0.006184	0.805651
cg052878							
86	chr19	12167119		0.319064	2.772555	0.00618	0.805651

cg154019							
68	chr17	1179554	RTN4RL1	0.292567	2.777964	0.006082	0.805085
cg177476							
35	chr2	6964889		-0.34513	-2.77731	0.006094	0.805651
cg009306							
06	chr22	31740944	SMTN;SLC5A4	0.223251	2.779501	0.006055	0.804868
cg221312							
17	chr17	80348302		-0.32253	-2.77278	0.006175	0.805651
cg144258							
63	chr11	17566034		0.493434	2.768333	0.006257	0.805651
cg041375							
94	chr20	62737966		-0.30216	-2.778	0.006081	0.805085
cg117518							
06	chr12	43945680		0.47154	2.765715	0.006305	0.805651
cg164945							
90	chr6	26421791		-0.20534	-2.76952	0.006235	0.805651
cg176308							
85	chr12	1.33E+08		-0.32601	-2.78448	0.005966	0.803823
cg072176							
25	chr2	29093807		0.426911	2.785143	0.005955	0.803674
cg062435							
56	chr19	58609473	ZNF671	-0.20747	-2.77113	0.006206	0.805651
cg150871							
29	chr21	47532333		-0.36828	-2.76491	0.00632	0.805651
cg256060							
97	chr1	1.7E+08		-0.32536	-2.77605	0.006116	0.805651
cg217551							
53	chr8	1.46E+08		0.278014	2.772421	0.006182	0.805651
cg267061							
87	chr11	1.15E+08		0.641201	2.781793	0.006014	0.804467
cg147096							
91	chr1	46632871		0.672082	2.768107	0.006261	0.805651
cg046713							
00	chr11	70962357		0.317708	2.763423	0.006347	0.805651
cg053483			KLHDC7A;UBXN1				
66	chr1	19665184	0	0.636238	2.776443	0.006109	0.805651
cg084919							
19	chr6	43255944		-0.21658	-2.76826	0.006258	0.805651
cg019770							
82	chr8	1.01E+08		0.433872	2.769103	0.006242	0.805651
cg014725							
38	chr16	58549086		-0.1989	-2.78214	0.006008	0.804467
cg105924			HCG11;HIST1H2				
54	chr6	27215509	BH;ZKSCAN8;HIS	0.269629	2.783102	0.005991	0.804467
cg102040							
53	chr19	36630888	T1H2BN	-0.17164	-2.77342	0.006164	0.805651



cg238454							
50	chr1	75597887		0.486378	2.769941	0.006227	0.805651
cg235817							
93	chr14	95999775		-0.34084	-2.77468	0.006141	0.805651
cg024707							
36	chr12	50505862		-0.16836	-2.76867	0.00625	0.805651
cg231138							
26	chr21	15580581		0.405027	2.772944	0.006172	0.805651
cg214689							
39	chr17	58226730		0.352817	2.763311	0.006349	0.805651
cg141559							
72	chr9	1.39E+08		0.221814	2.778349	0.006075	0.805085
cg016447							
41	chr20	47896888		0.438332	2.769476	0.006236	0.805651
cg154994							
02	chr6	97282253		-0.35308	-2.77822	0.006077	0.805085
cg089453							
40	chr16	1077028 TSR3		-0.33058	-2.78092	0.006029	0.804467
cg003525							
60	chr1	45106266		-0.35504	-2.77279	0.006175	0.805651
cg024719							
17	chr5	1.6E+08		-0.50578	-2.76617	0.006296	0.805651
cg263346							
27	chr12	22095477		0.408607	2.763169	0.006352	0.805651
cg026784							
76	chr4	1.84E+08		-0.2995	-2.78098	0.006028	0.804467
cg138936							
37	chr11	2783554		-0.29293	-2.76628	0.006294	0.805651
cg059812							
47	chr2	8821346		-0.23445	-2.77071	0.006213	0.805651
cg218314							
67	chr13	29397818		-0.48534	-2.7655	0.006309	0.805651
cg179901							
85	chr17	75797067 TMC8		0.287029	2.76265	0.006362	0.805651

			ST6GALNAC2;RN				
			F157-				
cg075305			AS1;LINC00338;S				
99	chr17	74275137 MIM5;RHBDF2		-0.21465	-2.77049	0.006217	0.805651
cg016467							
95	chr7	57324841		0.567916	2.762256	0.006369	0.805651
cg247373							
74	chr15	77933785		-0.38914	-2.76486	0.006321	0.805651
cg136636							
67	chr19	4180236 DPP9		0.24915	2.764704	0.006324	0.805651
cg242754							
37	chr10	1.35E+08		-0.35161	-2.76752	0.006271	0.805651

cg168885							
59	chr15	34031029		-0.3325	-2.76616	0.006297	0.805651
cg134870							
26	chr13	1.14E+08		-0.39743	-2.77284	0.006174	0.805651
cg268926			ENSG000002720				
35	chr16	3253043	79	-0.45224	-2.76948	0.006235	0.805651
cg164958							
73	chr8	77616126		-0.45757	-2.75965	0.006418	0.807205
cg233578							
05	chr12	95135078	RN7SL330P	-0.33514	-2.7685	0.006254	0.805651
cg121069							
76	chr6	1.52E+08		0.48459	2.758655	0.006437	0.807205
cg194045							
82	chr9	1.4E+08		0.259646	2.775459	0.006127	0.805651
cg048714			MXRA8;RER1;SKI				
60	chr1	1991521	;VWA1	0.34737	2.775083	0.006134	0.805651
cg249866							
15	chr7	597101	GPER1;GPR146	0.379255	2.767506	0.006272	0.805651
cg221235							
04	chr17	17897313		0.260701	2.764089	0.006335	0.805651
cg088693							
83	chr1	11865661	TNFRSF8	-0.21302	-2.76349	0.006346	0.805651
cg133262							
27	chr20	20349168		0.202177	2.765682	0.006305	0.805651
cg120740							
90	chr8	6360436		-0.37652	-2.76581	0.006303	0.805651
cg240128							
11	chr10	1.18E+08		-0.44682	-2.77847	0.006073	0.805085
cg092516							
00	chr1	1.8E+08	ANGPTL1	-0.47571	-2.77932	0.006058	0.804881
cg270095							
50	chr22	26830041		-0.33814	-2.76903	0.006244	0.805651
cg161407							
94	chr1	2.11E+08		-0.43733	-2.76439	0.006329	0.805651
cg153267							
55	chr17	25620596		-0.26324	-2.77986	0.006048	0.804777
cg198759							
36	chr12	7858848		-0.26078	-2.76462	0.006325	0.805651
cg212365							
93	chr15	75287447	PML	0.252403	2.76313	0.006353	0.805651
cg059537			SECTM1;ENSG00				
51	chr17	80054291	000262410	0.29246	2.765456	0.00631	0.805651
cg080446							
34	chr3	10436197		-0.26218	-2.76939	0.006237	0.805651
cg235826			BCL2;SERPINB2;				
44	chr18	61557687	PHLPP1	-0.49543	-2.7646	0.006326	0.805651

cg236148							
16	chr10	3150966		0.499101	2.767194	0.006278	0.805651
cg012471							
27	chr20	1538366 SDCBP2		-0.34262	-2.75838	0.006442	0.807205
cg171007							
51	chr1	2.3E+08		0.283519	2.761724	0.006379	0.805651
cg080157							
55	chr4	1.56E+08		-0.25713	-2.76243	0.006366	0.805651
cg165629							
13	chr10	92682357		-0.3531	-2.76252	0.006364	0.805651
cg178887							
92	chr10	92631135		0.49105	2.759263	0.006425	0.807205
cg063397							
12	chr11	1.18E+08		-0.19645	-2.76326	0.00635	0.805651
cg239120							
81	chr2	4156091		-0.54281	-2.76153	0.006383	0.805651
cg030546							
84	chr3	39543515		0.783686	2.764142	0.006334	0.805651
cg074778							
15	chr19	5785818		0.313968	2.774296	0.006148	0.805651
cg124747							
59	chr6	26027625		-0.34266	-2.76298	0.006356	0.805651
cg130531							
50	chr6	1.23E+08		-0.38788	-2.76381	0.00634	0.805651
cg172471							
49	chr3	66455638		0.296413	2.768012	0.006262	0.805651
cg121876							
24	chr19	13226110		-0.2983	-2.76063	0.006399	0.80651
cg132927							
77	chr11	34196220		0.285768	2.763516	0.006346	0.805651
cg158412							
12	chr18	51885030		0.345946	2.764486	0.006328	0.805651
cg047729							
47	chr11	57363540		-0.36438	-2.76791	0.006264	0.805651
cg018483							
72	chr6	1.68E+08		-0.28814	-2.77081	0.006211	0.805651
cg157751							
38	chr7	1.28E+08		0.273974	2.773811	0.006157	0.805651
cg028677							
63	chr5	1.41E+08 KIAA0141		0.379584	2.766438	0.006291	0.805651
cg103740							
84	chr19	50666238		0.783178	2.761259	0.006388	0.805651
cg199527							
04	chr4	1.88E+08		-0.5646	-2.81013	0.005531	0.796736
cg276255							
62	chr10	75599274		-0.27585	-2.76482	0.006321	0.805651
cg175406							
24	chr19	50167792		-0.25034	-2.75414	0.006522	0.80845
cg019777							
56	chr16	58021912		0.310752	2.758214	0.006445	0.807205

cg11786657	chr15	27113511		0.428403	2.761825	0.006377	0.805651
cg09401099	chr3	1.57E+08	LINC00886	0.421909	2.765509	0.006309	0.805651
cg01434160	chr5	1.22E+08		0.36417	2.762372	0.006367	0.805651
ch.9.107006705R	chr9	1.08E+08	NIPSNAP3A	-0.32243	-2.77216	0.006187	0.805651
cg01899130	chr14	55348681	CNIH1	0.406168	2.762907	0.006357	0.805651
cg08774009	chr8	49309094		0.374648	2.766183	0.006296	0.805651
cg09481404	chr15	53087316		0.512115	2.765344	0.006312	0.805651
cg13892386	chr9	1.21E+08	ASTN2	-0.32644	-2.76882	0.006248	0.805651
cg19806833	chr8	10529501		-0.32491	-2.7593	0.006424	0.807205
cg11028453	chr11	43374300		-0.36009	-2.77139	0.006201	0.805651
cg17179875	chr1	1.17E+08		-0.19908	-2.7586	0.006438	0.807205
cg00320749	chr22	39715143		-0.37129	-2.75566	0.006493	0.80845
cg02038168	chr22	39784481		0.343192	2.76142	0.006385	0.805651
cg19711579	chr2	1.83E+08		0.323345	2.769385	0.006237	0.805651
cg05486551	chr20	5731259		0.410835	2.762393	0.006367	0.805651
cg22645350	chr2	2.02E+08		0.415933	2.758311	0.006443	0.807205
cg16269236	chr17	53638963		-0.34396	-2.76187	0.006376	0.805651
cg17370981	chr13	1.14E+08		-0.66858	-2.76393	0.006338	0.805651
cg22109841	chr2	1.92E+08		0.213124	2.758726	0.006435	0.807205
cg13415120	chr9	1.03E+08		-0.42613	-2.76115	0.00639	0.805651
cg04899753	chr14	1.01E+08		0.386521	2.757006	0.006468	0.807857
cg02047803	chr5	1.41E+08	PCDHB1;PCDHA C2;IK;WDR55;EN SG00000246422	-0.25683	-2.75732	0.006462	0.807833
cg27252855	chr3	16189891		0.355064	2.762102	0.006372	0.805651

cg145445							
83	chr11	5248566		-0.41342	-2.75966	0.006418	0.807205
cg023359			ENSG000002483				
71	chr8	1.21E+08	18	0.213628	2.764278	0.006331	0.805651
cg133693							
32	chr2	1.13E+08		-0.39668	-2.77335	0.006165	0.805651
cg187423							
46	chr8	57358625		0.397125	2.763367	0.006348	0.805651
cg036971							
36	chr17	46703879		0.348684	2.761975	0.006374	0.805651
cg255068							
79	chr20	3388711		-0.20122	-2.76179	0.006378	0.805651
cg274059							
60	chr18	44786886		0.223284	2.763624	0.006344	0.805651
cg266059							
14	chr1	2174798		0.247002	2.761314	0.006387	0.805651
cg114037							
06	chr22	49042600		-0.37544	-2.75826	0.006444	0.807205
cg022955							
74	chr5	1054262		-0.3706	-2.77108	0.006206	0.805651
cg024281							
19	chr19	58520874		0.471687	2.753797	0.006529	0.80845
cg247271			SPRY1;LINC0109				
14	chr4	1.25E+08	1	0.46303	2.763038	0.006355	0.805651
cg014563							
68	chr3	52351859		0.684719	2.757082	0.006466	0.807857
cg006919							
69	chr14	64855353		-0.27243	-2.75809	0.006447	0.807205
cg152750							
17	chr3	1.23E+08	ADCY5	0.498008	2.757877	0.006451	0.807452
cg244546							
95	chr1	2.36E+08		0.307602	2.757698	0.006455	0.807638
cg214851							
22	chr2	71203331		-0.32513	-2.76951	0.006235	0.805651
cg021119							
51	chr11	61544854	SLC15A3	0.297969	2.760293	0.006406	0.806723
cg067344							
06	chr12	50349329	FMNL3	0.460154	2.759651	0.006418	0.807205
cg205270							
70	chr8	95906439		-0.42726	-2.76967	0.006232	0.805651
cg172696			FMNL1;ENSG000				
33	chr17	42733600	00267121	0.399892	2.752616	0.006551	0.80845
cg269196							
57	chr15	78004680		-0.28616	-2.75172	0.006568	0.80845
cg001875							
03	chr18	74729519		0.288279	2.780544	0.006036	0.804467
cg210076							
91	chr14	1.03E+08		-0.35007	-2.76775	0.006267	0.805651

cg131568							
63	chr5	1.41E+08		0.411074	2.750216	0.006597	0.808617
cg091281							
69	chr8	8735969		-0.40543	-2.75746	0.006459	0.807736
cg073189							
83	chr1	91185922		0.387203	2.75145	0.006574	0.808496
cg090004							
69	chr10	1.34E+08		-0.35833	-2.75258	0.006552	0.80845
cg137548							
79	chr4	44680204		0.35543	2.756807	0.006471	0.807889
cg057364							
24	chr2	1.28E+08		-0.41846	-2.75417	0.006522	0.80845
cg130884			ITPKB;WNT9A;C				
65	chr1	2.27E+08	1orf95	-0.78573	-2.75537	0.006499	0.80845
cg132803							
59	chr4	1353105		-0.38065	-2.76556	0.006308	0.805651
cg204425							
50	chr17	73512550		-0.26261	-2.75354	0.006534	0.80845
cg217370							
66	chr3	72495901		-0.20121	-2.76312	0.006353	0.805651
cg114106			NOVA2;SNRPD2; FOXA3;HIF3A;M				
82	chr19	46999224	YPOP	-0.3297	-2.76545	0.00631	0.805651
cg268983							
52	chr4	1.13E+08		0.175547	2.754439	0.006516	0.80845
cg107602							
99	chr15	45669010	GATM	0.517877	2.755816	0.00649	0.80845
cg102974							
91	chr10	11059677		-0.22524	-2.75138	0.006575	0.808496
cg034146							
31	chr1	26146153		-0.32029	-2.76858	0.006252	0.805651
cg028488							
75	chr15	64387786		0.563513	2.770841	0.006211	0.805651
cg040755							
46	chr7	54143022		-0.36634	-2.75454	0.006514	0.80845
cg193507			TIMM10;ZDHHC 5;APLNR;UBE2L6				
67	chr11	57956794	;SLC43A1	-0.39196	-2.74854	0.00663	0.808617
cg040257							
01	chr5	1.5E+08		0.237453	2.750989	0.006582	0.808617

			ATP11A;ADPRHL 1;DCUN1D2;TUB GCP3;ATP11A-				
cg270960							
43	chr13	1.13E+08	AS1	0.564042	2.760123	0.006409	0.806885
cg142538							
75	chr9	1.16E+08		-0.25783	-2.75481	0.006509	0.80845
cg071421							
31	chr1	22247949		0.237508	2.754206	0.006521	0.80845
cg032167							
29	chr16	603845		-0.25632	-2.75485	0.006509	0.80845
cg088883							
54	chr19	37958707		0.312016	2.751624	0.00657	0.80845
			C17orf72;MARC				
cg020409							
21	chr17	61554411	H10	-0.2388	-2.75212	0.006561	0.80845
cg000186							
06	chr2	2.09E+08	KLF7	0.552906	2.761194	0.006389	0.805651
cg103854							
11	chr19	48897143		0.213433	2.753125	0.006542	0.80845
cg213333							
38	chr17	2808456	TRPV3	-0.28181	-2.77015	0.006223	0.805651
cg150768							
20	chr6	33376315		-0.36614	-2.76129	0.006387	0.805651
			COL4A2;COL4A1				
cg089590							
39	chr13	1.11E+08	;RAB20	-0.37079	-2.75911	0.006428	0.807205
cg214880							
66	chr6	28367898	ZSCAN23	0.443549	2.753111	0.006542	0.80845
ch.12.118							
3517F	chr12	56819834		-0.43895	-2.74806	0.006639	0.808617
cg138401			AKR7A2;KLHDC7				
74	chr1	18693462	A	-0.36779	-2.76313	0.006353	0.805651
cg240843							
63	chr13	45992551		0.272033	2.760309	0.006406	0.806723
cg261600							
86	chr7	1.57E+08		-0.19313	-2.76134	0.006386	0.805651
cg086232							
23	chr8	11141415		0.546156	2.763153	0.006352	0.805651
cg168722							
26	chr7	94023749		0.247514	2.75077	0.006587	0.808617
cg243035							
59	chr2	2335769		0.407584	2.757457	0.006459	0.807736
ch.6.7511							
03R	chr6	31113865		-0.25329	-2.76709	0.00628	0.805651
cg203125							
81	chr10	96305480		0.242117	2.753351	0.006537	0.80845
cg236548							
44	chr1	1.54E+08		-0.27802	-2.75445	0.006516	0.80845

cg168115							
58	chr7	50634252		-0.34627	-2.75378	0.006529	0.80845
cg245545							
08	chr8	987162		-0.31553	-2.75846	0.00644	0.807205
cg236601							
97	chr6	31477952	RPL3P2	0.312827	2.751713	0.006569	0.80845
cg067111							
75	chr5	55543927		0.323389	2.755486	0.006497	0.80845
cg038388							
68	chr4	1.54E+08		-0.27518	-2.75349	0.006535	0.80845
cg253821							
08	chr6	1.26E+08		-0.28141	-2.76596	0.0063	0.805651
cg024826							
14	chr1	995013		-0.20406	-2.75067	0.006589	0.808617
cg267506							
17	chr12	1.32E+08		0.559417	2.756793	0.006472	0.807889
cg092166							
66	chr1	8436291		-0.35381	-2.75568	0.006493	0.80845
cg211517							
69	chr20	30946476		-0.21394	-2.75103	0.006582	0.808617
cg078689							
09	chr6	1.37E+08		-0.23151	-2.75389	0.006527	0.80845
cg030193							
55	chr6	40345751		0.316319	2.752173	0.00656	0.80845
cg142587							
56	chr1	6158059		-0.41431	-2.75705	0.006467	0.807857
cg238686							
72	chr14	35344258		-0.18101	-2.75808	0.006447	0.807205
cg043039							
20	chr6	73951939	CD109	-0.25628	-2.76377	0.006341	0.805651
cg066702							
67	chr4	13632652		0.424867	2.758878	0.006432	0.807205
cg266463							
97	chr5	1.5E+08		-0.33148	-2.75596	0.006487	0.80845
cg135233							
86	chr4	71457838		-0.37436	-2.76058	0.0064	0.80651
cg181592							
76	chr13	1.14E+08		-0.30411	-2.75007	0.0066	0.808617
cg014503							
90	chr19	54483251		0.389638	2.750402	0.006594	0.808617
cg073674							
69	chr5	1.16E+08		-0.30721	-2.7536	0.006532	0.80845
cg191064							
67	chr2	3836516		-0.26183	-2.74945	0.006612	0.808617
cg218645							
19	chr15	79298396		-0.25483	-2.75253	0.006553	0.80845
cg023877							
01	chr11	67810303		-0.26204	-2.74522	0.006694	0.810156
cg243638							
48	chr1	16439898		-0.19726	-2.74991	0.006603	0.808617



cg261483							
77	chr1	1.54E+08	INTS3;C1orf189	0.506953	2.752505	0.006553	0.80845
cg154087							
22	chr7	1.58E+08		-0.88956	-2.74587	0.006682	0.810156
cg025102							
99	chr8	1.21E+08		-0.38714	-2.75658	0.006476	0.808166
cg264288							
25	chr9	2717531		0.323707	2.753711	0.00653	0.80845
cg267913							
84	chr16	77246057		-0.22627	-2.75309	0.006542	0.80845
cg059143							
69	chr5	1.47E+08		-0.22766	-2.75337	0.006537	0.80845
cg156850							
06	chr8	11413043		-0.30471	-2.75181	0.006567	0.80845
cg212687							
70	chr15	36837152		-0.39871	-2.741	0.006777	0.812482
cg257714							
51	chr4	1.8E+08		-0.47382	-2.74906	0.00662	0.808617
cg275506							
06	chr6	30881786		0.193369	2.758183	0.006446	0.807205
cg152708							
92	chr3	27762352		0.319355	2.748069	0.006639	0.808617
cg056369							
12	chr5	64011797		-0.42405	-2.7518	0.006567	0.80845
cg145215							
52	chr15	25312131		-0.33006	-2.74958	0.00661	0.808617
cg118449							
65	chr19	42510093		-0.42702	-2.7474	0.006652	0.809319
cg149997							
26	chr17	31251090		-0.30664	-2.75249	0.006554	0.80845
cg177577							
78	chr10	53778690		-0.39174	-2.75247	0.006554	0.80845

			ZNF418;ENSG0000176593;ZNF274;ENSG00000269054;ZNF135;				
cg187565							
45	chr19	58666863	ZNF671	0.316513	2.74895	0.006622	0.808617
cg185226							
03	chr2	2.06E+08		-0.62937	-2.75867	0.006436	0.807205
cg077754							
17	chr4	84469563	PLAC8	-0.47937	-2.75479	0.00651	0.80845
cg005084							
99	chr22	38054505		-0.23809	-2.76458	0.006326	0.805651
cg241060							
40	chr1	44612654		0.332029	2.74784	0.006643	0.808751
cg006170							
64	chr2	27272375		0.405166	2.749306	0.006615	0.808617

cg034833							
30	chr2	1.76E+08		-0.38856	-2.74763	0.006647	0.809025
cg181375							
98	chr14	1.04E+08		0.545969	2.763229	0.006351	0.805651
cg174637							
45	chr1	16554402		0.499022	2.752806	0.006548	0.80845
cg109975							
40	chr12	71376748		-0.40543	-2.75067	0.006589	0.808617
cg170843							
26	chr8	17104852		-0.30764	-2.74656	0.006668	0.810156
cg116965			ENSG000002728				
76	chr6	1.61E+08	41	-0.27713	-2.74941	0.006613	0.808617
cg003999							
51	chr7	8476098		0.368266	2.748229	0.006636	0.808617
cg268979							
04	chr11	1892142	LSP1	0.358542	2.745129	0.006696	0.810156
cg089002							
33	chr1	45454424		-0.30115	-2.74641	0.006671	0.810156
cg113697							
06	chr11	32122111		0.252525	2.752547	0.006553	0.80845
cg119507							
85	chr6	1.55E+08		0.270454	2.743962	0.006719	0.810626
cg245674							
64	chr20	44039093		-0.41409	-2.74856	0.006629	0.808617
cg180483							
09	chr8	1.46E+08		0.364376	2.743182	0.006734	0.811006
cg270011							
84	chr7	94286267		0.255138	2.751596	0.006571	0.80845
cg219325							
13	chr1	17751974		-0.34423	-2.75122	0.006578	0.808617
cg204601							
53	chr15	57602664		-0.29935	-2.74697	0.00666	0.809993
cg261951							
78	chr5	1885716		0.41906	2.751599	0.006571	0.80845
cg106188							
82	chr19	18509358	JAK3;FCHO1	-0.26203	-2.74507	0.006697	0.810156
cg147991							
29	chr3	1.07E+08		-0.29981	-2.74803	0.00664	0.808617
cg079766							
44	chr1	55266932		0.193255	2.748543	0.00663	0.808617
			GALNT16;ACTN1				
cg052061			;ENSG00000242				
20	chr14	69730129	941	0.370898	2.761244	0.006388	0.805651
cg241636							
16	chr10	1E+08		0.269561	2.743936	0.006719	0.810626
ch.1.3056							
292F	chr1	1.56E+08		-0.39944	-2.74578	0.006683	0.810156
cg020288							
14	chr17	73197937		0.32646	2.748632	0.006628	0.808617

cg003533							
30	chr4	1.02E+08		-0.42613	-2.74499	0.006699	0.810156
cg024338							
82	chr6	44187031		0.423477	2.753647	0.006532	0.80845
cg015607							
73	chr21	47428846		-0.42669	-2.74799	0.00664	0.808617
cg083097							
47	chr11	13983705		-0.34421	-2.74937	0.006614	0.808617
cg037128							
16	chr18	76741157		0.365309	2.742445	0.006749	0.81203
cg002323							
87	chr19	2717526		0.523752	2.748121	0.006638	0.808617
cg167635							
74	chr13	1.12E+08		0.465361	2.749148	0.006618	0.808617
cg072381		ENSG000002601					
89	chr16	81130092	83	0.15531	2.749814	0.006605	0.808617

			PYCR1;LINC0048				
cg052712			2;SECTM1;NOTU				
55	chr17	79821342	M;SIRT7;P4HB	-0.36398	-2.75414	0.006522	0.80845
cg058133							
80	chr8	1.22E+08		0.26532	2.749218	0.006617	0.808617
cg152359							
99	chr19	52996352		0.374915	2.765966	0.0063	0.805651
cg151488							
79	chr11	47788577		0.189367	2.743742	0.006723	0.810854
cg103787							
92	chr6	33764239		-0.29	-2.74184	0.006761	0.812482
cg079767							
87	chr16	25598190		-0.60724	-2.73783	0.00684	0.812482
cg185789							
39	chr12	2919557		0.372811	2.739183	0.006813	0.812482
cg016178							
59	chr6	41527294		0.275908	2.742375	0.00675	0.81203
cg091805							
12	chr15	37110422		0.467678	2.766939	0.006282	0.805651
cg108904							
03	chr12	1.32E+08		0.333296	2.734242	0.006912	0.812482
cg236482							
63	chr2	8686184		-0.31216	-2.74454	0.006708	0.810156
cg229763							
31	chr5	1.4E+08		-0.42119	-2.74614	0.006676	0.810156
cg136077							
09	chr3	46940153		0.485304	2.743305	0.006732	0.810973
cg233620							
89	chr6	31638864		-0.19436	-2.74917	0.006618	0.808617
cg148105							
01	chr22	50609143		-0.20455	-2.74108	0.006776	0.812482

cg106203							
95	chr5	1056468	-0.2955	-2.74051	0.006787	0.812482	
cg182836							
27	chr1	6202409	-0.37689	-2.73667	0.006863	0.812482	
cg138797							
76	chr3	1.7E+08	0.39733	2.740589	0.006785	0.812482	
cg271766							
14	chr16	88717989 CYBA	-0.35163	-2.74574	0.006684	0.810156	
cg198234							
52	chr19	17326726 COLGALT1	0.253497	2.735995	0.006877	0.812482	
cg066154							
64	chr1	32080287	-0.27456	-2.74676	0.006664	0.810145	
cg112133							
83	chr9	17579734	0.415088	2.743385	0.00673	0.810973	
cg074255							
97	chr17	43503567	-0.24459	-2.7364	0.006868	0.812482	
cg239429							
84	chr12	14103087	-0.36802	-2.75563	0.006494	0.80845	
cg156464							
63	chr2	51446925	-0.46468	-2.74538	0.006691	0.810156	
ch.10.295							
680R	chr10	10685161	-0.59987	-2.74554	0.006688	0.810156	
cg257782							
62	chr12	69327449	0.261771	2.744407	0.00671	0.810199	
cg220419							
88	chr1	55181385	-0.23633	-2.74873	0.006626	0.808617	
cg036560							
99	chr17	59481954	0.567694	2.743465	0.006729	0.810973	
cg021776							
21	chr14	53196625	0.252131	2.738216	0.006832	0.812482	
cg250081							
52	chr12	69561355	0.279842	2.749804	0.006605	0.808617	
cg006647							
23	chr5	15927184	-0.73276	-2.73915	0.006814	0.812482	
cg148431							
29	chr5	75810564	-0.40635	-2.73989	0.006799	0.812482	
cg133775							
30	chr16	88709526 GALNS	-0.36064	-2.74117	0.006774	0.812482	
cg202521							
11	chr20	42143211	0.158173	2.739163	0.006813	0.812482	

		ENSG000002263					
		28;ENSG000002					
		38120;FBLN1;RI					
cg186335		BC2;NUP50;ENS					
68	chr22	45897933 G00000273243	-0.25548	-2.74078	0.006781	0.812482	

cg217035							
38	chr17	7145882		0.312787	2.740723	0.006783	0.812482
cg103323							
21	chr1	7184783		0.236334	2.76181	0.006377	0.805651
cg086717							
64	chr11	57996369	FAM111B	-0.41196	-2.74692	0.006661	0.809993
cg211672							
69	chr9	98981500		0.529509	2.743098	0.006736	0.811006
cg123543							
82	chr3	1.33E+08		-0.31202	-2.73614	0.006874	0.812482

cg239303			PLCB3;FRMD8;P				
34	chr11	64993335	PP1R14B;KCNK7	-0.32126	-2.74158	0.006766	0.812482
cg008259							
67	chr16	88990454		-0.2568	-2.73665	0.006863	0.812482
cg247246							
33	chr19	36909413		0.222802	2.753729	0.00653	0.80845
cg023121							
70	chr10	1.23E+08		-0.25415	-2.74431	0.006712	0.810202
cg131367							
21	chr17	78937183		-0.50626	-2.73512	0.006894	0.812482
cg019591							
23	chr15	65197576	ANKDD1A	0.845734	2.732145	0.006954	0.813208
cg099880							
59	chr16	2072809		-0.25821	-2.75292	0.006545	0.80845
cg189011							
40	chr17	8908225		0.421187	2.744633	0.006706	0.810156
cg103343							
54	chr4	66535203		0.639797	2.737788	0.006841	0.812482
cg002990							
52	chr11	1.25E+08		-0.28146	-2.74943	0.006613	0.808617
cg083717							
06	chr13	21291998		0.343763	2.737735	0.006842	0.812482
cg025944							
10	chr6	1.08E+08		-0.23061	-2.73321	0.006932	0.813184

			KDM1B;RBM24; STMND1;CAP2;G				
cg232075							
27	chr6	17283113	MPR;FAM8A1	0.430726	2.746085	0.006677	0.810156
cg135056							
08	chr9	1.4E+08		-0.40524	-2.7406	0.006785	0.812482
cg179958							
67	chr18	19749168		0.183089	2.740168	0.006794	0.812482
cg062731							
25	chr3	1.13E+08	ZBTB20	-0.39553	-2.74528	0.006693	0.810156

		CALHM2;USMG5					
cg163010		;OBFC1;GSTO1;S					
04	chr10	1.06E+08	LK	-0.41264	-2.7393	0.006811	0.812482
ch.21.366							
880F	chr21	33747404		-0.44548	-2.73753	0.006846	0.812482
cg026770							
35	chr11	1.29E+08		-0.29831	-2.73796	0.006837	0.812482
cg018643							
61	chr19	54188647		0.301139	2.74558	0.006687	0.810156
cg092330							
13	chr16	66638412		-0.22039	-2.74005	0.006796	0.812482
cg116526							
36	chr2	55450823		0.506134	2.737956	0.006837	0.812482
cg079011							
43	chr1	3568707		-0.23552	-2.73174	0.006962	0.813208
cg218099							
13	chr14	1.02E+08		-0.29996	-2.73406	0.006915	0.812482
cg122578							
30	chr1	22191591		-0.27134	-2.73432	0.00691	0.812482
cg221446		ENSG000002330					
68	chr5	1.32E+08	06	-0.34133	-2.72884	0.007021	0.814093
cg243479							
03	chr11	46958091		0.317245	2.735678	0.006883	0.812482
cg115579							
01	chr9	1.28E+08		-0.40591	-2.74151	0.006767	0.812482
cg212710							
15	chr1	4542704		-0.37274	-2.73631	0.00687	0.812482
cg254549							
31	chr2	1.32E+08		-0.43289	-2.73257	0.006945	0.813208
cg217893							
26	chr7	26487456		-0.3468	-2.73681	0.00686	0.812482
cg146030							
85	chr8	1.01E+08	RGS22;SPAG1	0.30032	2.740257	0.006792	0.812482
cg140327							
32	chr10	11784473	ECHDC3	0.587913	2.736138	0.006874	0.812482
cg032472							
08	chr2	39005648		-0.26248	-2.73317	0.006933	0.813184
cg086239							
48	chr7	23221430		-0.22027	-2.7392	0.006813	0.812482
cg157397							
58	chr20	23402367	NAPB	0.375553	2.733672	0.006923	0.812802
cg206729							
30	chr12	259396		0.402252	2.734663	0.006903	0.812482
cg132739							
16	chr14	1.03E+08		-0.33019	-2.73002	0.006997	0.813208
cg100305							
12	chr7	2656424		0.382489	2.732017	0.006957	0.813208
cg019275							
50	chr14	1.03E+08		0.309462	2.738686	0.006823	0.812482

cg128912							
52	chr10	43902500		-0.50633	-2.74085	0.00678	0.812482
cg198850							
01	chr13	50388665		-0.3503	-2.73754	0.006846	0.812482
cg050242							
07	chr1	35545302		0.294643	2.734056	0.006915	0.812482
cg020290							
91	chr6	1.67E+08		0.218001	2.738205	0.006833	0.812482
cg261628							
36	chr1	1.6E+08	NDUFS2	-0.22237	-2.74654	0.006669	0.810156
cg042968			TSPAN1;HECTD3;				
37	chr1	46087792	IPP	-0.35004	-2.73038	0.00699	0.813208
cg258616							
99	chr6	10882050		0.218115	2.740503	0.006787	0.812482
cg174457			ENSG000002290				
65	chr7	64403162	64	0.620306	2.736612	0.006864	0.812482
cg134545							
42	chr4	1.88E+08		0.345667	2.728372	0.007031	0.814093
cg104013							
67	chr1	1.51E+08	POGZ;RPRD2	-0.28029	-2.74245	0.006748	0.81203
cg040567							
57	chr17	73361703		-0.53794	-2.73319	0.006933	0.813184
cg008833							
11	chr2	62932096		-0.32232	-2.73674	0.006862	0.812482
cg018935			ENSG000002720				
71	chr2	38272884	54;SOS1	-0.39234	-2.74193	0.006759	0.812482
cg217412							
23	chr5	1257903		-0.4708	-2.73569	0.006883	0.812482
cg031581							
94	chr2	2.04E+08		-0.32954	-2.74463	0.006706	0.810156
cg224736							
37	chr6	1E+08		0.411623	2.733082	0.006935	0.813184
cg134362							
13	chr6	1.64E+08		-0.27481	-2.72824	0.007033	0.814093
cg208237							
42	chr2	1.37E+08	CXCR4	0.314751	2.739898	0.006799	0.812482
cg044287							
01	chr10	81892639		-0.20757	-2.74535	0.006692	0.810156
cg242376							
36	chr20	8481650		-0.38612	-2.73729	0.006851	0.812482
cg183170							
22	chr19	48017995		-0.22256	-2.73181	0.006961	0.813208
cg217627							
88	chr8	9756501		0.505739	2.730629	0.006985	0.813208
cg140710							
23	chr6	45901289		-0.24722	-2.73886	0.006819	0.812482
cg104574							
40	chr6	26663660		0.324749	2.731348	0.00697	0.813208

cg224111							
65	chr7	42251735		-0.26453	-2.74339	0.00673	0.810973
cg081825							
01	chr2	1.77E+08		0.36955	2.73135	0.00697	0.813208
cg230188							
91	chr1	1.15E+08		-0.25613	-2.73471	0.006902	0.812482
cg051755							
40	chr6	2890674		-0.30597	-2.7321	0.006955	0.813208
cg111117							
40	chr6	28584288	PGBD1	0.386494	2.735584	0.006885	0.812482
cg061817							
61	chr14	92042045	ATXN3	-0.45006	-2.73546	0.006887	0.812482
cg153905							
18	chr5	1.46E+08		-0.40734	-2.73882	0.00682	0.812482
cg275522							
18	chr7	1.03E+08		-0.48812	-2.73224	0.006952	0.813208
cg118071							
43	chr6	13326305		0.473909	2.728384	0.00703	0.814093
cg215282							
04	chr6	1E+08		0.38582	2.744803	0.006702	0.810156
cg050285							
55	chr10	1.11E+08		-0.41106	-2.72869	0.007024	0.814093
cg253987							
27	chr8	10756220		-0.40993	-2.74048	0.006787	0.812482
cg024340							
35	chr7	1273835		0.369344	2.7352	0.006892	0.812482
cg243462							
23	chr19	36279422		-0.23969	-2.72824	0.007033	0.814093
cg032255							
20	chr7	72437350		-0.27198	-2.7374	0.006849	0.812482
cg258413							
48	chr2	2.18E+08		-0.32157	-2.73731	0.00685	0.812482
cg013342							
32	chr3	1.79E+08		-0.28845	-2.73949	0.006807	0.812482
cg022278							
79	chr10	75576192	TTC18;P4HA1	0.42218	2.73022	0.006993	0.813208
cg016932							
46	chr15	31512162		-0.5377	-2.73135	0.00697	0.813208
cg002578							
78	chr7	54827094		0.281434	2.744522	0.006708	0.810156
cg217756							
68	chr6	1.31E+08		0.372888	2.731518	0.006967	0.813208
cg133419							
07	chr17	7402671		0.195226	2.730235	0.006993	0.813208
cg224504							
06	chr2	2.35E+08		-0.44064	-2.72723	0.007054	0.814093
cg137470							
66	chr9	74525074		-0.43103	-2.73095	0.006978	0.813208
cg192639							
74	chr12	3103878	PARP11	-0.28492	-2.73003	0.006997	0.813208



cg114807			SLC29A3;UNC5B;				
62	chr10	73103395	PALD1	0.348003	2.73515	0.006894	0.812482
cg254525							
03	chr7	23052616		0.441368	2.726264	0.007074	0.814093
cg100679							
70	chr13	95359666		0.372929	2.739793	0.006801	0.812482
cg025579			FAM110C;SH3YL				
22	chr2	595312	1	-0.40511	-2.73469	0.006903	0.812482
cg259521							
04	chr14	74250584		0.378648	2.73179	0.006961	0.813208
cg276074							
38	chr10	1.33E+08		-0.31644	-2.7255	0.007089	0.814093
cg131910							
08	chr11	4629912		0.327402	2.731712	0.006963	0.813208
cg100166							
47	chr7	22528033		-0.32171	-2.73485	0.0069	0.812482
cg126797							
60	chr1	36786615	CSF3R	0.361305	2.727446	0.00705	0.814093
cg016187							
81	chr21	43187300		-0.22246	-2.72915	0.007015	0.814093
cg103322							
02	chr1	32573013		0.217906	2.739918	0.006799	0.812482
cg086290							
43	chr2	2.4E+08		-0.2954	-2.73872	0.006822	0.812482
cg044829							
48	chr2	2.28E+08		-0.26799	-2.7362	0.006873	0.812482
cg235458							
28	chr10	1.25E+08		-0.34895	-2.72483	0.007103	0.814093
cg040215							
44	chr7	2705189		0.546275	2.733643	0.006924	0.812802
cg212798							
40	chr7	1.58E+08		-0.32719	-2.73065	0.006984	0.813208
cg064660							
27	chr17	26691950		0.375702	2.725791	0.007083	0.814093
cg206804							
60	chr1	1.68E+08		0.313074	2.733009	0.006937	0.813184
cg073557							
63	chr5	1.28E+08		-0.40379	-2.73112	0.006975	0.813208
cg041011							
94	chr4	25656865	SLC34A2	0.848985	2.724941	0.007101	0.814093
cg046930							
14	chr5	1.81E+08		0.540509	2.723664	0.007127	0.814633
cg217372							
26	chr8	53326668	RB1CC1	0.488357	2.734493	0.006907	0.812482
cg181103							
59	chr2	45179970		-0.30374	-2.73663	0.006864	0.812482
cg146395							
67	chr2	2.38E+08		-0.31198	-2.7309	0.006979	0.813208

cg199300							
57	chr18	19180767		-0.24443	-2.73862	0.006824	0.812482
cg012694							
69	chr7	1.55E+08		0.260314	2.73762	0.006844	0.812482
cg040660							
19	chr3	16554466		0.234299	2.730808	0.006981	0.813208
cg095511							
72	chr1	1E+08		-0.20622	-2.72762	0.007046	0.814093
cg011338							
56	chr18	11822136		0.244037	2.740117	0.006795	0.812482
cg046478							
35	chr8	1.31E+08		-0.32582	-2.72912	0.007015	0.814093
cg015767							
79	chr2	2.43E+08		-0.36591	-2.72696	0.007059	0.814093
cg014105							
22	chr8	1026545		-0.23091	-2.73027	0.006992	0.813208
cg119140							
20	chr5	1.18E+08		-0.34448	-2.72483	0.007103	0.814093
cg210224							
47	chr6	30521181		-0.2349	-2.72431	0.007114	0.814093
cg116717							
71	chr15	65133392	ANKDD1A	0.334986	2.727454	0.007049	0.814093
cg244414							
40	chr10	1.2E+08		0.576243	2.728677	0.007024	0.814093
cg192279							
47	chr10	1.01E+08		-0.22008	-2.72627	0.007074	0.814093
cg264709							
26	chr11	1.06E+08		-0.38063	-2.72454	0.007109	0.814093
cg215033							
92	chr6	1.68E+08		-0.22751	-2.73436	0.006909	0.812482
cg239353							
00	chr7	6661876	MIOS	0.37047	2.736103	0.006874	0.812482

			FAM83H- AS1;RHPN1- AS1;MAPK15;RH PN1;LY6H;BAI1;P YCRL;PSCA				
cg003990							
59	chr8	1.44E+08		0.472607	2.721587	0.00717	0.814633
cg058752							
39	chr14	99787559		-0.38883	-2.73435	0.00691	0.812482
cg169986							
56	chr7	32114197		-0.42376	-2.72165	0.007169	0.814633
cg273741							
67	chr15	28359911		0.215454	2.727268	0.007053	0.814093
cg076978							
95	chr7	1.17E+08		0.452805	2.735087	0.006895	0.812482
cg045247							
19	chr5	14065611		0.35679	2.736788	0.006861	0.812482

ch.1.9449							
12R	chr1	28658666		-0.35979	-2.72984	0.007001	0.81334
cg093561							
24	chr19	18256654		-0.27236	-2.72303	0.00714	0.814633
cg009126							
39	chr12	21590544		0.220606	2.72748	0.007049	0.814093
cg165794							
29	chr14	71279803		0.294287	2.728056	0.007037	0.814093
cg189797							
62	chr1	2.32E+08		0.387227	2.728338	0.007031	0.814093
cg226996							
20	chr21	46348691	ITGB2-AS1	0.432134	2.725011	0.0071	0.814093
cg105046							
06	chr17	8464766		-0.32236	-2.73083	0.006981	0.813208
cg140300							
83	chr17	72983622		-0.27174	-2.73172	0.006963	0.813208
cg017236							
06	chr7	1.02E+08		0.388223	2.728218	0.007034	0.814093
cg179442							
41	chr17	40021637		-0.14091	-2.73397	0.006917	0.812482
cg107613							
15	chr14	1.05E+08		0.467678	2.724119	0.007118	0.814124
cg019393							
36	chr5	1.14E+08		-0.34707	-2.72428	0.007114	0.814093
cg057615							
64	chr18	48194330	CCDC11	-0.32883	-2.72137	0.007175	0.814633
cg221421							
37	chr14	22103031		-0.37394	-2.72114	0.00718	0.814633
cg038396							
26	chr11	57479895		0.271803	2.740097	0.006795	0.812482
cg193055							
45	chr1	3548894		-0.46415	-2.73533	0.00689	0.812482
cg060256							
71	chr8	1.42E+08		-0.38573	-2.72611	0.007077	0.814093
cg205533							
94	chr11	64879336		-0.23681	-2.72004	0.007202	0.814633

			TMEM45B;ARHG				
			AP32;ENSG0000				
			0255455;ENSG0				
cg162207			0000175773;BA				
43	chr11	1.3E+08	RX2	0.574711	2.734882	0.006899	0.812482
cg024593							
75	chr2	3393152		-0.36906	-2.71665	0.007274	0.815165
cg051497							
76	chr5	1.41E+08		-0.27685	-2.71682	0.00727	0.815165
cg013158							
63	chr2	2.43E+08		-0.2416	-2.72466	0.007107	0.814093

cg162464							
88	chr2	10444921		0.296831	2.732663	0.006944	0.813208
cg072621							
39	chr11	1.34E+08		0.54597	2.721133	0.00718	0.814633
			PLK1;PRKCB;ENS				
			G00000261266;				
			ERN2;ENSG0000				
cg039359			0261583;SCNN1				
56	chr16	23511855	G	-0.46894	-2.71832	0.007238	0.814633
cg091339							
53	chr17	37824468		-0.32815	-2.72285	0.007144	0.814633
cg179610							
77	chr8	297436		0.381787	2.730869	0.00698	0.813208
cg171555							
96	chr10	90640042		-0.24216	-2.745	0.006699	0.810156
cg221582							
29	chr18	76686008		-0.43867	-2.72527	0.007094	0.814093
cg138755							
36	chr9	1.35E+08		-0.21098	-2.72513	0.007097	0.814093
cg246843							
36	chr15	42565701		-0.2009	-2.72513	0.007097	0.814093
cg036417							
97	chr7	5396436		0.334657	2.728045	0.007037	0.814093
cg046928							
70	chr22	42525206		0.537677	2.731584	0.006965	0.813208
cg064435							
42	chr10	1E+08		0.226705	2.720786	0.007187	0.814633
cg116547							
37	chr6	80816077		-0.40805	-2.7246	0.007108	0.814093
cg060727							
43	chr3	1.41E+08		-0.27626	-2.72449	0.00711	0.814093
cg236767							
34	chr17	76491989		-0.26264	-2.71751	0.007255	0.814763
cg193421							
02	chr11	32265612		0.44992	2.726819	0.007062	0.814093
cg249533							
21	chr3	32860553		0.23743	2.723278	0.007135	0.814633
cg042306							
99	chr12	12849443		0.186974	2.726589	0.007067	0.814093
cg178233							
21	chr10	70287041		-0.19976	-2.72603	0.007079	0.814093
cg221271							
14	chr1	2440270		0.330614	2.719213	0.00722	0.814633
cg114142							
67	chr10	99694717		-0.45313	-2.716	0.007287	0.815165
cg161623							
91	chr10	29698368		-0.63254	-2.71608	0.007286	0.815165

cg192802							
06	chr3	1.97E+08	DLG1	0.425259	2.725647	0.007086	0.814093
cg006578							
10	chr16	69967212		-0.30738	-2.72322	0.007137	0.814633
cg034669							
32	chr6	26027575		-0.24415	-2.72221	0.007157	0.814633
cg056580							
46	chr6	32163730		-0.17739	-2.72262	0.007149	0.814633
cg234522							
20	chr4	16846297		-0.34018	-2.73745	0.006848	0.812482
cg247075							
05	chr2	1.79E+08		0.219978	2.720567	0.007192	0.814633
cg164683							
89	chr17	46831742		0.298348	2.719982	0.007204	0.814633
cg229222							
26	chr14	96505373		0.213442	2.72479	0.007104	0.814093
cg180305							
45	chr6	1.07E+08		-0.24163	-2.72244	0.007153	0.814633

			ENSG000002220				
			12;ENSG000002				
cg224982							
23	chr7	1.58E+08	33038	-0.40705	-2.72012	0.007201	0.814633

			TMEM178A;ARH				
			GEF33;DHX57;M				
cg074907							
19	chr2	39744451	ORN2	-0.47007	-2.72134	0.007176	0.814633
cg074579							
44	chr18	67957061		0.241456	2.717352	0.007259	0.814763
cg048064							
21	chr16	15069894		-0.24092	-2.72551	0.007089	0.814093

			SMOC2;DACT2;				
cg218800							
20	chr6	1.68E+08	MLLT4;FGFR1OP	-0.30634	-2.72294	0.007142	0.814633
cg133116							
55	chr2	1.85E+08		-0.37396	-2.72171	0.007168	0.814633
cg075965							
24	chr8	65286371		0.254384	2.720738	0.007188	0.814633

			TP73-				
cg175129							
22	chr1	3548777	AS1;MEGF6	-0.55874	-2.72566	0.007086	0.814093
cg153550							
15	chr7	1.02E+08		0.338468	2.717611	0.007253	0.814763
cg108210							
44	chr17	685468		0.204581	2.720507	0.007193	0.814633
cg262979							
68	chr2	2.11E+08		-0.24334	-2.71981	0.007207	0.814633

cg207066							
38	chr1	2.28E+08		-0.18976	-2.72017	0.0072	0.814633
cg179242							
27	chr2	1.28E+08		0.306231	2.722651	0.007148	0.814633
cg015487							
42	chr16	3311857		0.381119	2.714389	0.007321	0.815566
cg119046							
86	chr3	52811517		-0.32682	-2.72537	0.007092	0.814093
cg187728			ACAN;NTRK3;MF				
82	chr15	88616079	GE8	0.314601	2.724573	0.007109	0.814093
cg266511							
48	chr7	1.58E+08		-0.63274	-2.7195	0.007214	0.814633
cg152228							
99	chr18	55095249		0.474516	2.724224	0.007116	0.814093
cg160075							
41	chr11	18728598	ZDHHC13	0.44795	2.725427	0.007091	0.814093
cg033153							
46	chr1	19109544		-0.28487	-2.71804	0.007244	0.814763
cg235856							
87	chr6	82161324		-0.41201	-2.71358	0.007338	0.81599
cg242712			CLIP1;ENSG0000				
03	chr12	1.23E+08	0251497;PITPN M2	-0.43305	-2.71905	0.007223	0.814633
cg179239							
47	chr14	50584005	CDKL1	0.429417	2.719262	0.007219	0.814633
cg174700							
61	chr1	33336618		-0.1975	-2.72363	0.007128	0.814633
cg162347							
26	chr14	1.02E+08		-0.25587	-2.72704	0.007058	0.814093
cg140809							
82	chr15	71736038		-0.35705	-2.73093	0.006979	0.813208
cg047684							
59	chr10	73828556		0.253585	2.718601	0.007233	0.814633
cg142051							
31	chr9	86323672		0.233904	2.724584	0.007108	0.814093
cg081202							
63	chr14	29236013		0.392774	2.726186	0.007075	0.814093
cg081727							
87	chr19	44258864		-0.21157	-2.71346	0.007341	0.816052
cg252265							
72	chr10	64564161		0.157262	2.72256	0.00715	0.814633
cg000852							
56	chr2	2.18E+08		0.277713	2.715054	0.007307	0.815566
cg275372							
90	chr8	1.14E+08		0.33385	2.727042	0.007058	0.814093
cg216969							
75	chr1	1.53E+08		-0.36385	-2.71874	0.00723	0.814633

cg158373							
83	chr16	84256190		0.352846	2.716605	0.007275	0.815165
cg123386							
57	chr10	80384267		-0.37407	-2.71754	0.007255	0.814763
cg033415							
08	chr8	38238324		-0.39755	-2.71846	0.007235	0.814633
cg126825							
73	chr17	27188876	TWF1P1	0.248044	2.719578	0.007212	0.814633
cg116421							
27	chr8	1.43E+08		-0.28204	-2.71515	0.007305	0.815566
cg066384							
33	chr17	47075175		0.351604	2.725094	0.007098	0.814093
cg160772			FADS3;RAB3IL1;F				
26	chr11	62156701	ADS1;LRRN4CL	0.386115	2.716267	0.007282	0.815165
cg123680							
55	chr3	15469185		-0.16608	-2.71912	0.007222	0.814633
cg065189							
98	chr16	88460822		0.551112	2.714613	0.007317	0.815566
cg234556							
14	chr5	44808879		0.387426	2.722075	0.00716	0.814633
cg087397							
38	chr12	1963310		-0.39388	-2.7199	0.007206	0.814633
cg260115							
48	chr10	1.34E+08		-0.40025	-2.73472	0.006902	0.812482
cg232886							
53	chr1	1.55E+08		-0.21307	-2.71279	0.007355	0.816588
cg040106							
84	chr7	94284411		0.378705	2.717308	0.00726	0.814763
cg272198							
74	chr16	67696095		-0.3189	-2.72304	0.00714	0.814633
cg209997							
99	chr1	2.28E+08		-0.26444	-2.72999	0.006998	0.813208
cg216178							
70	chr15	64525039		-0.48199	-2.72212	0.007159	0.814633
cg194960							
59	chr17	71308198		-0.21722	-2.71102	0.007393	0.817125
cg048308							
14	chr5	32174484		-0.20828	-2.71564	0.007295	0.815538
cg009112							
26	chr7	38580353	EPDR1;SFRP4	-0.42853	-2.71822	0.007241	0.814633
cg192119							
34	chr2	6913403		0.256287	2.720109	0.007201	0.814633
cg271435							
70	chr10	1.03E+08		0.335576	2.718467	0.007235	0.814633
cg091479							
85	chr11	40314618		0.306482	2.711673	0.007379	0.817124
cg018045							
28	chr11	75167027	ARRB1	-0.28738	-2.71454	0.007318	0.815566

cg256868							
91	chr4	854566		-0.21375	-2.72286	0.007144	0.814633
cg227438							
84	chr8	11839844		-0.36299	-2.70956	0.007424	0.817499
cg254750							
56	chr19	36138893		0.482807	2.720875	0.007185	0.814633
cg224758							
59	chr2	365090		-0.3408	-2.71144	0.007384	0.817125
cg060930							
39	chr12	1.32E+08	GPR133	0.529358	2.709077	0.007435	0.817499
cg115549							
75	chr13	1.12E+08		-0.28879	-2.70845	0.007448	0.817499
cg116462							
59	chr7	34026657		0.393868	2.71438	0.007321	0.815566
cg121561							
67	chr8	1.34E+08		0.313019	2.713272	0.007345	0.816075
cg199018							
01	chr1	1.15E+08		0.49775	2.718551	0.007234	0.814633
cg071314							
13	chr11	1.25E+08		-0.34154	-2.71972	0.007209	0.814633
cg048671							
15	chr2	20645320		0.423559	2.711647	0.00738	0.817124
cg232918							
86	chr4	1.74E+08	GALNT7	0.375547	2.714171	0.007326	0.815566
cg040907			BAK1;TAP1;TAP2				
45	chr6	32724369	;HSPA1L;KIFC1	-0.41393	-2.71651	0.007277	0.815165
cg036438							
38	chr11	1978156		0.223585	2.718307	0.007239	0.814633
cg134464							
04	chr3	46640523		0.296994	2.7161	0.007285	0.815165
cg252720							
65	chr1	77334678		0.478101	2.706483	0.00749	0.817805
cg141804							
79	chr11	17667326		-0.22646	-2.71906	0.007223	0.814633
cg215659							
37	chr2	709250	PXDN	0.522779	2.711073	0.007392	0.817125
cg027425							
33	chr7	75608829		0.311359	2.708915	0.007438	0.817499
cg095533							
46	chr10	1.24E+08		-0.27304	-2.7082	0.007453	0.817499
cg100644							
00	chr1	90460439		0.181921	2.712392	0.007364	0.816845
cg013132							
34	chr8	82595877		-0.31792	-2.7109	0.007395	0.817125
cg155800							
52	chr12	618772	B4GALNT3	-0.47772	-2.70868	0.007443	0.817499
cg044931							
43	chr5	1.48E+08		0.495214	2.709976	0.007415	0.817499



cg091316							
29	chr2	1.28E+08		-0.19619	-2.71048	0.007404	0.817125
cg165755							
30	chr2	8118404		-0.35413	-2.7243	0.007114	0.814093
cg043644							
53	chr2	10442941		-0.12816	-2.72909	0.007016	0.814093
cg133136							
16	chr11	2127569		-0.32338	-2.70749	0.007469	0.817804
cg208327							
22	chr2	1.99E+08		0.450739	2.710407	0.007406	0.817125
cg027514							
49	chr3	1.42E+08		-0.20821	-2.71214	0.007369	0.816845
cg173145							
38	chr4	1.87E+08		0.25872	2.71432	0.007323	0.815566
cg196023							
15	chr17	30669494		0.337021	2.718601	0.007233	0.814633
cg040433							
36	chr16	87741582		-0.30173	-2.71687	0.007269	0.815165
cg135661							
81	chr9	7797446		-0.34	-2.71421	0.007325	0.815566
cg015662							
42	chr1	1.5E+08 ECM1		-0.18444	-2.71586	0.00729	0.815288
cg140522							
21	chr9	80912058		0.287364	2.714265	0.007324	0.815566
cg264226							
24	chr10	98469535		0.396194	2.710812	0.007397	0.817125
cg202161							
39	chr11	16632509		0.387968	2.71358	0.007338	0.81599
cg079254							
29	chr10	1.15E+08		-0.34106	-2.70527	0.007517	0.817805
cg147062							
97	chr2	43328266		0.434313	2.709217	0.007432	0.817499

			CLDN7;TXNDC17				
cg258566			;MPDU1;AURKB;				
32	chr17	7111551	VAMP2;PHF23	0.311786	2.709004	0.007436	0.817499
cg275833							
83	chr20	3185850		0.293878	2.716723	0.007272	0.815165
cg231205							
18	chr6	84233917		-0.36053	-2.71123	0.007388	0.817125
cg120967							
59	chr14	96002581		-0.32277	-2.70887	0.007439	0.817499
cg019728							
43	chr22	17680706	CECR1	-0.53341	-2.72435	0.007113	0.814093
cg056477							
20	chr2	2.32E+08		-0.3374	-2.70876	0.007441	0.817499
cg126370							
57	chr20	59967284		0.31638	2.715573	0.007296	0.815538

cg080776							
73	chr7	1.3E+08	MKLN1	0.405652	2.714733	0.007314	0.815566
cg266863							
66	chr7	1.4E+08		-0.26282	-2.72161	0.00717	0.814633
cg067919							
71	chr17	80986867		-0.31205	-2.72055	0.007192	0.814633
cg117939							
78	chr5	1.35E+08		-0.46611	-2.70245	0.007578	0.818601
cg215766							
98	chr1	46767971		-0.2212	-2.70844	0.007448	0.817499
cg197070							
13	chr19	38800279		-0.3456	-2.7152	0.007304	0.815566
cg233618							
62	chr10	15256422		0.449718	2.705241	0.007517	0.817805
cg276285							
36	chr5	43017351	C5orf34	0.325722	2.72389	0.007123	0.814446
cg144098							
50	chr12	27091377		0.236884	2.713071	0.007349	0.816126
cg218027							
26	chr20	33735257		-0.31843	-2.71055	0.007403	0.817125
cg208769							
87	chr6	28553998		0.326988	2.716017	0.007287	0.815165
cg248850							
55	chr2	1.63E+08		0.218034	2.713294	0.007345	0.816075
cg221004							
76	chr1	43638037		-0.30482	-2.7144	0.007321	0.815566
cg074029							
39	chr13	1.13E+08		-0.38808	-2.70624	0.007496	0.817805
cg062147							
45	chr17	1051817	FAM101B	0.230744	2.718661	0.007231	0.814633
cg135388							
65	chr8	7538373		0.16173	2.712011	0.007372	0.816931
cg058899							
32	chr4	1.14E+08		0.203054	2.718359	0.007238	0.814633
cg251476							
32	chr10	84027418		-0.35027	-2.70856	0.007446	0.817499

			HLA-DMA;HLA-DQB2;HLA-DOA;HLA-DMB				
cg148123							
13	chr6	32797268		0.600549	2.707498	0.007469	0.817804
cg049888							
45	chr11	1.12E+08		-0.21337	-2.7055	0.007512	0.817805
cg177732							
25	chr12	58165920	AGAP2	-0.21374	-2.70388	0.007547	0.817959
cg175942							
41	chr2	37571901		0.314127	2.718905	0.007226	0.814633

cg052234							
87	chr16	1080540	NME4	0.237022	2.706102	0.007499	0.817805
cg043285							
62	chr19	11649701		0.304479	2.704792	0.007527	0.817805
cg043915							
88	chr19	55832610		-0.29827	-2.71219	0.007368	0.816845
cg196733							
76	chr19	55721180	LENG9;HSPBP1	-0.26517	-2.71309	0.007349	0.816126
cg138602							
83	chr12	55524042	DGKA	-0.37905	-2.7111	0.007391	0.817125
cg274797							
59	chr12	1.05E+08		-0.33861	-2.72239	0.007154	0.814633
cg211053							
19	chr11	1.18E+08		-0.1885	-2.70766	0.007465	0.817804
cg115455							
21	chr11	48019467		0.311125	2.719393	0.007216	0.814633
cg080830			MCAM;CBL;RPL5				
88	chr11	1.19E+08	P30	0.366324	2.704238	0.007539	0.817805
cg143057							
63	chr2	28114016		-0.31144	-2.71164	0.00738	0.817124
cg234743							
12	chr6	1.58E+08		0.301708	2.709149	0.007433	0.817499
cg112005							
68	chr7	226540		-0.28128	-2.71016	0.007411	0.81749
cg203097							
94	chr7	73184656		0.391561	2.70457	0.007532	0.817805
cg026051							
73	chr19	7566312		0.306041	2.71737	0.007258	0.814763
cg150850							
86	chr6	1.54E+08		0.458077	2.70698	0.00748	0.817805
cg036685							
56	chr6	2977293		-0.51458	-2.71068	0.0074	0.817125
cg043708			MEIS3P2;DHR57				
34	chr17	21194769	B	0.359949	2.723515	0.00713	0.814633
cg232797			ENSG000002208				
92	chr2	2.43E+08	04	0.343459	2.709743	0.00742	0.817499
cg206438							
71	chr15	76629838		0.447849	2.71726	0.007261	0.814763
cg048392							
19	chr2	2.35E+08		0.262413	2.719624	0.007211	0.814633
cg131608							
74	chr2	2.43E+08		0.307918	2.705683	0.007508	0.817805
cg052215							
44	chr6	1.5E+08		0.247548	2.707692	0.007464	0.817804
cg141790							
31	chr21	42679822	FAM3B;RIPK4	-0.44519	-2.71157	0.007381	0.817124
cg104070							
92	chr17	69821245		-0.27774	-2.70419	0.00754	0.817805

cg152839							
04	chr10	27703377		0.366108	2.70099	0.00761	0.819533
ch.5.2679							
849F	chr5	1.43E+08		-0.4745	-2.70068	0.007617	0.819544
cg203401							
90	chr17	27950413		0.216013	2.705411	0.007514	0.817805
cg219775							
07	chr17	12145856 SHISA6		0.495608	2.70147	0.007599	0.819224
cg067105							
96	chr19	36024279		0.590049	2.708277	0.007452	0.817499
cg150499							
68	chr18	44337910		0.258783	2.7049	0.007525	0.817805
cg144659							
00	chr9	1.33E+08		-0.19115	-2.70173	0.007594	0.819224
cg082637							
50	chr16	62002686 CDH8		0.425821	2.703104	0.007564	0.818058
cg029176							
40	chr6	37673773		0.323947	2.708412	0.007449	0.817499
cg135587		ENSG000002670					
54	chr19	36247867 53;DMKN		0.484992	2.703285	0.00756	0.817959
cg117285							
46	chr10	1.14E+08 ACSL5;ZDHHC6		-0.33098	-2.70964	0.007422	0.817499
cg206997							
80	chr17	935017 RTN4RL1;NXN		0.467271	2.703234	0.007561	0.817959
cg247487							
46	chr7	1.56E+08		-0.51625	-2.70832	0.007451	0.817499
cg034571							
95	chr2	1.62E+08 PSMD14		0.420667	2.712601	0.007359	0.816599
cg239878							
76	chr1	29562838		-0.22398	-2.71265	0.007358	0.816599
cg248036							
87	chr11	5462916 APBB1		-0.53305	-2.70443	0.007535	0.817805
cg175943							
51	chr12	81101397		0.350994	2.717264	0.007261	0.814763
cg102353							
55	chr17	6358830 ELP5		-0.39431	-2.70154	0.007598	0.819224
cg229376		ENSG000001845					
32	chr11	33563946 66		-0.27042	-2.70489	0.007525	0.817805
cg236538							
35	chr1	31538603		-0.22163	-2.70418	0.00754	0.817805
cg046401							
97	chr7	1.03E+08 FAM185A		-0.26413	-2.71445	0.00732	0.815566
cg160023							
78	chr14	1.05E+08		-0.37572	-2.70576	0.007506	0.817805
cg053212							
25	chr14	1.05E+08		0.317508	2.707277	0.007473	0.817804
cg117744							
99	chr19	46303628		-0.3102	-2.71734	0.007259	0.814763

cg229811						
75	chr13	1.14E+08	0.30263	2.70832	0.007451	0.817499
cg172356						
10	chr9	82187209	-0.377	-2.70107	0.007608	0.819533
cg133327						
83	chr6	57040282	0.356438	2.709433	0.007427	0.817499
cg139052						
38	chr3	1.97E+08 DLG1	-0.49235	-2.69841	0.007667	0.820556
cg131468						
39	chr3	1.91E+08	0.452295	2.704574	0.007532	0.817805
cg220661						
08	chr4	3534761	0.328275	2.705081	0.007521	0.817805
cg221221						
74	chr6	44187055	0.27229	2.716168	0.007284	0.815165
cg071004						
11	chr11	64884229	0.277628	2.703616	0.007553	0.817959
cg164796						
74	chr1	2.49E+08	0.35089	2.704268	0.007538	0.817805
cg136292						
01	chr9	5111420	0.292425	2.703345	0.007559	0.817959
cg219922		CEACAM6;CEAC				
82	chr19	42826477 AM7	-0.24287	-2.7145	0.007319	0.815566
cg078625						
54	chr3	1.55E+08	0.403778	2.707272	0.007473	0.817804
cg059492						
05	chr7	1.27E+08	-0.23361	-2.70572	0.007507	0.817805
cg012649						
63	chr11	1.24E+08 CLMP	-0.44973	-2.71412	0.007327	0.815566
cg088708						
93	chr8	1.18E+08	-0.49701	-2.6981	0.007674	0.820589
cg012571						
71	chr5	1.73E+08	0.272476	2.70669	0.007486	0.817805
cg145570						
64	chr5	1752840	-0.39602	-2.70558	0.00751	0.817805
cg065353						
08	chr11	17497693	0.333216	2.696531	0.007708	0.820908
cg037453						
83	chr17	31662900	0.369291	2.699897	0.007634	0.819819
cg266619						
12	chr20	633854	-0.21218	-2.70335	0.007558	0.817959
cg263857						
79	chr5	1.5E+08	-0.28654	-2.70439	0.007536	0.817805
cg016281						
40	chr12	1.03E+08	-0.37341	-2.70056	0.007619	0.819544
cg263289						
24	chr14	1.06E+08	-0.38014	-2.70024	0.007626	0.819819
cg146639						
65	chr6	1.08E+08	0.36797	2.702827	0.00757	0.818412

cg088936							
92	chr5	72595741		0.387877	2.706531	0.007489	0.817805
cg021173							
64	chr2	2.41E+08		-0.32379	-2.69954	0.007642	0.819819
cg082513							
37	chr16	81040389		-0.16957	-2.69615	0.007717	0.820929
cg270532							
99	chr13	1.01E+08		0.412667	2.710534	0.007403	0.817125
cg089502							
87	chr7	99725807		0.225918	2.697756	0.007681	0.820589
cg139196							
94	chr12	53738960		-0.22535	-2.71362	0.007338	0.81599
cg246102							
31	chr15	29967620		0.372864	2.698493	0.007665	0.820556
cg217639							
52	chr12	1.11E+08 IFT81		-0.22074	-2.70163	0.007596	0.819224
cg236361							
62	chr8	56364289		0.306985	2.704815	0.007527	0.817805
cg039042							
91	chr11	1.19E+08 USP2		-0.22983	-2.70226	0.007582	0.818796
cg104965							
11	chr14	81392851		-0.22401	-2.7051	0.00752	0.817805
cg022158							
15	chr16	28962783		-0.2083	-2.70658	0.007488	0.817805
cg077683							
72	chr5	14509008		-0.31371	-2.70356	0.007554	0.817959
cg170687							
00	chr4	1.88E+08		-0.39665	-2.70113	0.007607	0.819533
cg035312							
47	chr2	50573485		0.418135	2.698989	0.007654	0.820236
cg007562							
51	chr15	41187367		0.348727	2.703867	0.007547	0.817959
cg241823							
00	chr7	97736853		0.223473	2.699437	0.007644	0.819819
cg025586							
23	chr15	53097060		0.243398	2.699413	0.007645	0.819819
cg080823							
74	chr16	58059152		-0.36511	-2.70326	0.00756	0.817959
RSG1;C1orf134;E							
cg215349			NSG0000023342				
31	chr1	17381980	1	-0.26667	-2.70361	0.007553	0.817959
cg051227			ENSG000002515				
94	chr3	14993813	76	0.333398	2.698376	0.007668	0.820556
cg221526							
05	chr19	52253373		-0.34386	-2.71397	0.00733	0.815699
cg155533							
97	chr1	76695186		0.253757	2.702435	0.007578	0.818601
cg240857							
07	chr17	79615652		0.365598	2.702018	0.007587	0.819132

cg031981							
16	chr1	55270945		-0.21237	-2.69798	0.007676	0.820589
cg047111							
62	chr19	30017511		0.298324	2.700715	0.007616	0.819544
cg013115							
37	chr10	50386709	VSTM4	-0.35702	-2.69614	0.007717	0.820929
cg059402							
31	chr1	1.2E+08		0.281777	2.701947	0.007589	0.819132
cg139569							
07	chr15	28051262		0.446563	2.696925	0.0077	0.820908
cg275192							
36	chr16	57836397		-0.18376	-2.71047	0.007405	0.817125
cg248362							
81	chr19	41100790		-0.40643	-2.69888	0.007656	0.820236
cg164534							
74	chr5	40982092	C6	-0.54831	-2.69208	0.007808	0.82254
cg134945							
87	chr19	34172448		-0.2874	-2.70761	0.007466	0.817804
cg265789							
23	chr6	42928546		-0.41732	-2.69641	0.007711	0.820908
cg248294							
83	chr4	15341641	FGFBP1	0.396205	2.702662	0.007573	0.818479
cg255916							
64	chr5	79551865		-0.27442	-2.69958	0.007641	0.819819
cg031087							
77	chr6	31169142		-0.26866	-2.69421	0.00776	0.822444
cg106148							
56	chr19	50025115	FUT2	-0.27423	-2.69374	0.007771	0.822444
cg123952							
99	chr15	29349218		-0.28893	-2.69652	0.007709	0.820908
cg092337							
30	chr1	1688446		-0.22906	-2.69786	0.007679	0.820589
cg186690							
22	chr7	39875276		1.12987	2.690848	0.007835	0.822782
cg058049							
49	chr7	23719620		-0.26878	-2.7044	0.007536	0.817805
cg053279							
71	chr14	77278659		0.22368	2.699931	0.007633	0.819819
cg264230							
41	chr6	4794490		0.299503	2.704909	0.007525	0.817805
cg172616							
76	chr6	26016808	BTN3A1;BTN3A2	0.435173	2.694501	0.007753	0.822141
cg051406							
50	chr10	1.12E+08		0.36089	2.69649	0.007709	0.820908
cg126095							
26	chr1	1.17E+08		-0.39243	-2.70581	0.007505	0.817805
cg203379							
96	chr12	1.25E+08		-0.6461	-2.69383	0.007768	0.822444
cg212693							
30	chr6	46702790		-0.40319	-2.69826	0.00767	0.820589

cg243485							
73	chr10	6020387		-0.49768	-2.69886	0.007657	0.820236
cg020055							
05	chr19	19005959		0.256547	2.705304	0.007516	0.817805
cg035730							
68	chr11	20620287		0.399908	2.695292	0.007736	0.821169
cg018115							
61	chr16	67753396		0.250747	2.707562	0.007467	0.817804
cg002948							
85	chr2	33815183		0.354545	2.692073	0.007808	0.82254
cg027586							
74	chr11	33795236		-0.30676	-2.70434	0.007537	0.817805
cg109794							
36	chr7	27242005		0.258559	2.693511	0.007776	0.822444
cg131607							
99	chr19	41074150		0.186827	2.695285	0.007736	0.821169

			ELF5;CD44;ENSG				
			00000251194;L				
			MO2;ENSG0000				
cg113435			0184566;PAMR1				
06	chr11	34535568	;SLC1A2;CD59	0.63068	2.707271	0.007473	0.817804
cg149589							
51	chr2	1.78E+08		0.201911	2.704739	0.007528	0.817805
cg180809							
06	chr10	94832106		0.276529	2.69227	0.007803	0.82254
cg130964							
36	chr18	21083456		-0.20747	-2.695	0.007742	0.821169
cg099982							
29	chr19	3606757		0.335988	2.69201	0.007809	0.82254
cg037788							
95	chr13	50699716		-0.29835	-2.69695	0.007699	0.820908
cg077090							
65	chr9	1.35E+08		-0.30541	-2.69354	0.007775	0.822444
cg062541							
23	chr16	15743797		-0.1745	-2.69257	0.007797	0.82254
cg007290							
39	chr7	1.49E+08		0.325441	2.693063	0.007786	0.82254
cg091892							
76	chr6	33226718		0.342128	2.709099	0.007434	0.817499
cg193036							
37	chr13	24153954		-0.19877	-2.71216	0.007369	0.816845
cg011130							
73	chr6	1.56E+08		-0.33314	-2.69951	0.007642	0.819819
cg030513							
84	chr15	65197883	ANKDD1A	0.605241	2.688988	0.007877	0.823862



cg093849							
37	chr12	49359996		-0.29022	-2.70069	0.007617	0.819544
cg094883							
52	chr6	53950838		-0.46019	-2.69938	0.007645	0.819819
cg123131			HLA-DPB1;HLA-				
58	chr6	33989813	DPA1	-0.36656	-2.69122	0.007827	0.822782
cg027203							
21	chr10	3373668		0.335459	2.699265	0.007648	0.819897
cg230100							
48	chr19	52391257		0.456979	2.689498	0.007866	0.823807
cg218858							
64	chr13	1.01E+08		0.291825	2.696319	0.007713	0.820908
cg142825							
31	chr9	1.37E+08		-0.34497	-2.69211	0.007807	0.82254
cg203743							
17	chr12	1.29E+08		0.368778	2.687567	0.00791	0.823862
cg157150							
94	chr19	19302729		0.266368	2.687384	0.007914	0.823862
cg236518							
08	chr4	8200974		-0.30677	-2.69976	0.007637	0.819819
cg161944							
51	chr6	31827554		0.258561	2.698496	0.007665	0.820556
cg148730							
22	chr4	1.47E+08		0.473692	2.695664	0.007728	0.821169
cg260111							
99	chr1	25665163		-0.19122	-2.69966	0.007639	0.819819
cg080584							
34	chr16	85832378		0.403091	2.687547	0.00791	0.823862
cg270248							
76	chr19	49867109		0.344499	2.690372	0.007846	0.822936
cg085541							
14	chr14	53163204	GNG2	-0.33942	-2.69664	0.007706	0.820908
cg068831							
26	chr5	1.4E+08		0.465059	2.688652	0.007885	0.823862
cg027131							
80	chr10	1.35E+08		-0.22821	-2.69556	0.00773	0.821169
cg032692							
18	chr10	96990700		0.664901	2.688443	0.00789	0.823862
cg009541							
05	chr17	63739259		-0.48275	-2.69178	0.007814	0.822782
cg118356							
95	chr19	1555395		-0.46182	-2.69504	0.007741	0.821169
cg088758							
69	chr17	70770808	SDK2	0.426802	2.698015	0.007675	0.820589
cg213810							
65	chr18	49866304		0.346675	2.69395	0.007766	0.822444
cg134817							
76	chr2	2.33E+08	EFHD1	-0.32456	-2.69206	0.007808	0.82254

cg012548							
90	chr15	60289239	CCNB2	0.370111	2.691498	0.007821	0.822782
cg125929							
65	chr5	1.78E+08		-0.20575	-2.68967	0.007862	0.823807
cg091790			ENSG000002625				
46	chr16	14164850	29	0.307286	2.696517	0.007709	0.820908
cg010830							
50	chr1	18700899		0.339381	2.690079	0.007853	0.823196
cg212439							
39	chr14	55033137		-0.34226	-2.70126	0.007604	0.819525
cg263652							
99	chr7	27205381		0.368276	2.688478	0.007889	0.823862
cg126310							
00	chr1	10729216		0.31133	2.700492	0.007621	0.819544
cg241140							
14	chr6	28584167	PGBD1;ZSCAN12	0.587668	2.695032	0.007742	0.821169
cg149234							
35	chr2	1.21E+08		-0.29212	-2.68515	0.007965	0.82432
cg070743							
90	chr21	40555500		-0.20669	-2.6851	0.007966	0.82432
cg036491							
25	chr16	4802469		0.339701	2.692647	0.007795	0.82254
cg089626							
82	chr12	8850939		-0.22952	-2.68775	0.007905	0.823862

			ENSG000002677				
cg217272			31;ABCA8;ABCA				
23	chr17	66755770	10;ABCA6	-0.41207	-2.6926	0.007796	0.82254
cg166126							
99	chr11	1.24E+08		0.322367	2.690795	0.007837	0.822782
cg177549							
45	chr1	85514684		-0.44254	-2.6926	0.007796	0.82254
cg094052							
31	chr16	1614911		-0.27827	-2.69047	0.007844	0.822936
cg164103							
38	chr15	42783121		0.215834	2.686905	0.007925	0.823862
cg255614							
09	chr6	28477957		-0.21359	-2.70174	0.007593	0.819224
cg154321							
80	chr20	35374647		-0.161	-2.68689	0.007925	0.823862
cg058763							
25	chr8	1.45E+08		-0.24475	-2.69541	0.007733	0.821169
cg087486							
15	chr1	39957298		0.423557	2.692615	0.007796	0.82254
cg261618			ENSG000002522				
49	chr5	1.38E+08	13	-0.21477	-2.68191	0.008039	0.824604
cg101327							
04	chr7	1.53E+08		0.360392	2.687654	0.007908	0.823862

cg224337							
26	chr17	73870495	TRIM47	-0.27984	-2.68828	0.007893	0.823862
cg184324							
98	chr2	1.76E+08		0.296283	2.695996	0.00772	0.821056
cg217511							
45	chr2	1.91E+08		0.319329	2.690557	0.007842	0.822936
cg168060							
41	chr3	59996265		0.426168	2.702778	0.007571	0.818412
cg059259							
27	chr7	1075592		-0.25607	-2.69312	0.007784	0.82254
cg013051							
27	chr22	18893367		0.240721	2.688318	0.007892	0.823862
cg208884							
99	chr2	426252		0.288772	2.70046	0.007622	0.819544
cg230214							
77	chr19	53700527		-0.23272	-2.68655	0.007933	0.823862
cg167030							
08	chr2	29828479		-0.45643	-2.68375	0.007997	0.82432
cg132952							
42	chr17	7239718		-0.40756	-2.68345	0.008004	0.82432
cg022471							
78	chr13	31506687	TEX26	0.382048	2.684089	0.007989	0.82432
cg029806							
21	chr8	65280876		0.381705	2.685617	0.007954	0.82432
cg008633							
53	chr20	9049694		-0.24798	-2.69775	0.007681	0.820589
cg172856							
63	chr11	43597210		0.35609	2.691677	0.007817	0.822782
cg119268							
39	chr8	1.43E+08		-0.3913	-2.68942	0.007867	0.823807
cg068812							
42	chr9	36191535		-0.29506	-2.68609	0.007943	0.823862
cg211949							
37	chr19	2151584		-0.21941	-2.68459	0.007977	0.82432
cg261143							
24	chr1	44401857		-0.32351	-2.68823	0.007894	0.823862
cg016304							
79	chr22	20072709		-0.21677	-2.68791	0.007902	0.823862
cg253899							
47	chr7	64838786		-0.28055	-2.69234	0.007802	0.82254
cg177180							
36	chr6	27219983	ZKSCAN8	0.202852	2.690302	0.007848	0.822936
cg175200							
80	chr1	23495439		-0.35237	-2.68323	0.008009	0.82432
cg152405							
68	chr11	14996456		0.395799	2.691615	0.007818	0.822782
cg239853							
74	chr5	1.4E+08		0.484603	2.67951	0.008094	0.825129
cg124562							
86	chr19	40698192		0.231231	2.695005	0.007742	0.821169

cg090689							
93	chr10	95462173		-0.42421	-2.68867	0.007884	0.823862
cg166218							
33	chr6	1.18E+08		0.457237	2.689422	0.007867	0.823807
cg082969							
69	chr16	69154282		-0.31825	-2.6863	0.007938	0.823862
cg136006							
52	chr6	32800429		0.345574	2.687499	0.007911	0.823862
cg195240							
23	chr6	1.71E+08		-0.315	-2.68537	0.00796	0.82432
cg263401							
49	chr11	69988497		-0.41195	-2.68311	0.008011	0.82432
cg159274							
65	chr1	1.98E+08		-0.37531	-2.68063	0.008068	0.824933
cg246737			ENSG000002670				
65	chr19	36247869	53;DMKN	0.283957	2.682408	0.008027	0.82432
cg057121							
26	chr22	29601860		0.181101	2.680493	0.008072	0.824933
cg224424							
30	chr1	25876626	AIM1L	-0.31717	-2.69712	0.007695	0.820908
cg233572							
65	chr6	31430770		0.278808	2.69742	0.007689	0.820908
cg246757							
70	chr2	33622300		-0.30838	-2.69639	0.007711	0.820908
cg081441							
57	chr16	88937115		0.416789	2.685819	0.007949	0.824295
cg188810							
94	chr6	30885141		0.404998	2.690022	0.007854	0.823196
cg266716							
87	chr1	54872113		-0.19493	-2.6885	0.007888	0.823862
cg268195							
90	chr16	2105207		0.463361	2.696326	0.007713	0.820908
cg000263							
46	chr15	42267275	STARD9	-0.42515	-2.69088	0.007835	0.822782
cg022773							
26	chr15	28357447		-0.31437	-2.68554	0.007956	0.82432
cg065387							
71	chr22	50636937		-0.30118	-2.68282	0.008018	0.82432
cg232354							
97	chr1	1.11E+08		0.267912	2.687438	0.007912	0.823862
cg188156							
47	chr13	25744676		0.485892	2.684995	0.007968	0.82432
cg099440							
20	chr10	76871970		0.194969	2.692677	0.007794	0.82254
cg027174							
70	chr2	2.42E+08		-0.3717	-2.68378	0.007996	0.82432
cg081445							
03	chr16	67450471		-0.3462	-2.68054	0.00807	0.824933

cg099483							
50	chr2	70189092	MXD1;ANXA4	-0.26902	-2.69517	0.007739	0.821169
cg004297							
67	chr6	31468473		0.400412	2.690897	0.007834	0.822782
cg241456							
85	chr19	1227852	HMHA1	-0.35477	-2.69092	0.007834	0.822782
cg250356							
31	chr1	35586358		0.42058	2.683725	0.007997	0.82432
cg040863							
27	chr7	6200886		-0.32526	-2.69402	0.007764	0.822444
cg010257							
74	chr5	42944457		0.458458	2.681238	0.008054	0.824933
cg156173							
36	chr11	67764948		-0.32432	-2.68446	0.00798	0.82432
cg005246							
94	chr5	1.77E+08		-0.36956	-2.69358	0.007774	0.822444
cg194201							
02	chr19	458895		-0.43405	-2.6862	0.007941	0.823862
cg173276							
30	chr7	1.49E+08		-0.27946	-2.6938	0.007769	0.822444
cg043506							
10	chr10	93683445		0.25961	2.681313	0.008053	0.824933
cg076363							
38	chr19	46214108		0.248419	2.689198	0.007873	0.823862
cg168662							
06	chr8	30003656		-0.36033	-2.68669	0.007929	0.823862
cg023484							
88	chr11	43540266		-0.29558	-2.68442	0.007981	0.82432
cg192307							
55	chr7	65878503		0.329985	2.696701	0.007705	0.820908
cg087607							
53	chr22	49069623		-0.2686	-2.68272	0.00802	0.82432
cg152342							
97	chr19	50143472		-0.27431	-2.68675	0.007928	0.823862
cg068797			HCP5;HLA-				
46	chr6	30883768	B;GPANK1	0.401336	2.68238	0.008028	0.82432
cg059444							
77	chr2	2.05E+08		0.325856	2.686914	0.007924	0.823862
cg061835							
77	chr13	76123853		-0.24483	-2.68652	0.007933	0.823862
cg087133							
67	chr6	37225473		0.187702	2.690468	0.007844	0.822936
cg135459			SET;ENSG00000				
26	chr9	1.32E+08	228395	0.225547	2.686315	0.007938	0.823862
cg024894							
93	chr16	83842257		0.351982	2.683489	0.008003	0.82432

cg086023							
46	chr13	1.13E+08	ADPRHL1;TFDP1	0.536155	2.682973	0.008014	0.82432
cg165238							
39	chr19	10077134		0.361527	2.688339	0.007892	0.823862
cg262930							
15	chr7	1.28E+08		0.228066	2.682429	0.008027	0.82432
cg255580							
27	chr17	9930194		-0.30411	-2.67666	0.008161	0.825545
cg013007							
78	chr16	9184995		0.206271	2.686279	0.007939	0.823862
cg204919							
14	chr2	26915349		0.279471	2.679283	0.0081	0.825129
cg076685							
58	chr17	36500547	SYNRG;PLXDC1	-0.41914	-2.68519	0.007964	0.82432
cg024848							
50	chr22	36783942	RAC2	-0.18973	-2.68752	0.007911	0.823862
cg226564							
20	chr2	74740238		0.318352	2.67723	0.008147	0.825545
cg195924							
72	chr20	3052274	RNF24	0.520511	2.686787	0.007927	0.823862
cg166658							
66	chr16	1222626		-0.434	-2.69362	0.007773	0.822444
cg239681							
54	chr17	64973939		-0.42358	-2.68268	0.008021	0.82432
cg126460							
67	chr22	50481514		0.536632	2.681856	0.00804	0.824604
cg086610							
07	chr3	79817232		0.425898	2.690851	0.007835	0.822782
cg166203							
90	chr12	1.26E+08		0.282124	2.678613	0.008115	0.825545
cg015817							
57	chr20	2383390	SIRPA;SIRPG	-0.36758	-2.68645	0.007935	0.823862
cg017078							
18	chr6	1.23E+08		0.347029	2.697532	0.007686	0.820908
cg198190							
49	chr12	25540253		0.396579	2.683747	0.007997	0.82432
cg093088							
03	chr4	1.01E+08		0.260145	2.689101	0.007875	0.823862
cg052140							
88	chr10	1.35E+08		-0.19736	-2.67952	0.008094	0.825129
cg076021							
95	chr11	48345361		0.525917	2.682328	0.008029	0.82432
cg212061							
28	chr5	1190571		0.366626	2.683199	0.008009	0.82432
cg113808							
30	chr10	96123085		0.539227	2.676798	0.008157	0.825545
cg216513							
56	chr12	1.05E+08		-0.25372	-2.68483	0.007972	0.82432
cg145425			PRKCH;TMEM30				
54	chr14	61122327	B	0.44802	2.69283	0.007791	0.82254

cg248015							
87	chr7	1.55E+08		0.326262	2.681272	0.008054	0.824933
cg108857							
79	chr11	34331908	APIP;ELF5	0.212982	2.676347	0.008168	0.825545
cg223350							
74	chr11	70733258		0.296943	2.679602	0.008092	0.825129
cg268681							
56	chr11	1892180	LSP1	0.245541	2.687887	0.007902	0.823862
cg110754							
15	chr14	1.02E+08		0.288987	2.677082	0.008151	0.825545
cg127937							
53	chr6	75933274	COL12A1	0.367429	2.691434	0.007822	0.822782
cg157654							
97	chr8	91863566		-0.32573	-2.67721	0.008148	0.825545
cg119292			IL12RB1;FCHO1;J				
84	chr19	18731797	AK3	-0.42142	-2.6801	0.008081	0.824933
cg094520			CRY2;TSPAN18;				
27	chr11	45825483	MAPK8IP1	0.286622	2.68302	0.008013	0.82432
cg153879							
43	chr5	68513219		-0.36843	-2.68009	0.008081	0.824933
cg175285							
80	chr10	69962886	STOX1;PBLD	-0.56278	-2.67516	0.008196	0.825845
cg056543							
40	chr6	1.11E+08		0.363899	2.677307	0.008146	0.825545
cg144623							
07	chr5	1.79E+08		-0.35642	-2.67533	0.008192	0.825845
cg208314			PDE2A;P2RY6;AR				
13	chr11	72460551	HGEF17	-0.4081	-2.68122	0.008055	0.824933
cg190411			IL10RA;USP2- AS1;CD3G;DSCA				
46	chr11	1.18E+08	ML1;C2CD2L	-0.22533	-2.67271	0.008253	0.82617
cg239587							
04	chr8	1.04E+08		-0.47074	-2.6773	0.008146	0.825545

				HOXB4;MIR10A; NPEPPS;HOXB- AS3;CALCOCO2; PRR15L;HOXB- AS2;COPZ2;HOX B6;HOXB3;HOXB 1;HOXB5;SKAP1;			
cg167792							
51	chr17	45928077	TBKBP1	-0.28399	-2.67914	0.008103	0.825208
cg037533							
91	chr17	59478958		0.320662	2.684297	0.007984	0.82432
cg183014							
10	chr7	1.32E+08		-0.34006	-2.67538	0.008191	0.825845
cg190048							
83	chr19	14448422	CACNA1A	0.320151	2.680184	0.008079	0.824933
cg054418			FAM92B;C16orf				
54	chr16	85650374	74;FOXL1	0.355279	2.675719	0.008183	0.825845
cg125624							
61	chr17	62778131		-0.20262	-2.68074	0.008066	0.824933
cg012549							
91	chr4	8163114		-0.20469	-2.68016	0.008079	0.824933
cg162751							
72	chr15	52121933		-0.34079	-2.67817	0.008126	0.825545
cg157868							
27	chr12	1.33E+08		-0.2841	-2.67684	0.008157	0.825545
ch.14.769			SIX1;SLC38A6;SI				
589F	chr14	60785506	X4;GPR135	-0.48718	-2.67857	0.008116	0.825545
cg206270							
99	chr1	11822296		0.277722	2.678423	0.00812	0.825545
cg086374							
38	chr17	70113856		0.416684	2.671804	0.008275	0.826605
cg004276							
04	chr16	55542751		0.288863	2.684358	0.007983	0.82432
cg135618							
79	chr8	35092687		0.532126	2.675192	0.008195	0.825845
cg181196							
21	chr11	76709256		0.35168	2.683135	0.008011	0.82432
cg125438			FAM83F;CBX7;N				
36	chr22	39552224	PTXR	-0.25267	-2.67818	0.008125	0.825545
cg139351							
27	chr1	41128874		-0.29664	-2.68244	0.008027	0.82432



cg033610							
85	chr11	1324625	LRRC56;MUC5B	0.367114	2.695075	0.007741	0.821169
cg178682							
87	chr20	36572422		-0.25698	-2.67793	0.008131	0.825545
cg203806							
49	chr5	10988333		0.343113	2.679447	0.008096	0.825129
cg235281							
42	chr14	1.01E+08		-0.52839	-2.67677	0.008158	0.825545
cg049348							
67	chr3	2933549		-0.31889	-2.67102	0.008293	0.826738
cg171199							
07	chr12	1.18E+08	NOS1	0.594655	2.670133	0.008314	0.827043
cg150164							
81	chr2	2.39E+08	HES6	0.353252	2.682273	0.008031	0.82432
cg092573			LINC00665;COX7				
32	chr19	36909913	A1	0.430805	2.673629	0.008232	0.825989
cg243230							
31	chr6	52227260		0.298563	2.670361	0.008309	0.827043
cg165304							
32	chr13	27744825		-0.3736	-2.68097	0.008061	0.824933
cg242592							
44	chr13	1.01E+08		0.27373	2.672773	0.008252	0.82617
cg271752							
94	chr22	42311039		-0.18617	-2.67366	0.008231	0.825989
cg235201							
19	chr10	1.21E+08		0.331111	2.680126	0.00808	0.824933
cg115726							
55	chr3	1.26E+08		0.285534	2.674953	0.008201	0.825845
cg192794			ENSG000001792				
32	chr11	75110505	40;ENSG00000255326	-0.17998	-2.67645	0.008166	0.825545
cg028827							
55	chr6	34100963		-0.29384	-2.68611	0.007943	0.823862
cg157265							
32	chr17	46184914		-0.19593	-2.67769	0.008137	0.825545
cg045175							
88	chr14	1.03E+08	TNFAIP2	-0.26885	-2.68231	0.00803	0.82432
cg193310							
40	chr6	30882208	ZNRD1	0.173485	2.687078	0.007921	0.823862
cg111714							
29	chr4	1.22E+08		0.308586	2.671842	0.008274	0.826605
cg210925							
51	chr15	29993498		0.292572	2.679268	0.0081	0.825129
cg054220							
49	chr2	1595734		0.42837	2.670704	0.008301	0.826851
cg143859							
61	chr6	42952270		-0.21199	-2.67459	0.008209	0.825845

cg030750							
50	chr16	46462790		0.249214	2.681821	0.008041	0.824604
cg038316							
65	chr13	95202629		0.335923	2.677464	0.008142	0.825545
cg196578							
75	chr5	76382381		0.308402	2.673211	0.008242	0.826058
cg010161							
02	chr7	33146808		0.360538	2.676779	0.008158	0.825545
cg178565							
59	chr13	1.1E+08		-0.39367	-2.67418	0.008219	0.825845
cg160654							
73	chr15	88576884 ISG20		-0.46637	-2.67396	0.008224	0.825989
cg148981							
51	chr14	68232975		0.278705	2.669275	0.008335	0.827659
cg167600		CDC42EP1;DNAL					
49	chr22	38452866 4		0.403758	2.675491	0.008188	0.825845
cg088260							
80	chr3	1.23E+08		-0.24708	-2.68479	0.007973	0.82432
cg033661							
68	chr22	45636900		-0.21235	-2.68092	0.008062	0.824933
cg056794							
03	chr4	37650328 C4orf19		0.371341	2.683068	0.008012	0.82432
cg144376							
34	chr14	67879385		-0.37093	-2.67109	0.008292	0.826738
cg111032							
73	chr5	1.11E+08		-0.36361	-2.68467	0.007976	0.82432
cg095251							
46	chr8	854719		-0.34436	-2.67257	0.008257	0.826302
cg204805							
22	chr8	97274997		-0.22592	-2.66897	0.008342	0.827659
cg081611							
58	chr1	2126151		0.170979	2.679454	0.008096	0.825129
cg129610							
10	chr12	1.33E+08		-0.28207	-2.67296	0.008248	0.826058
cg165373							
71	chr11	1.32E+08		-0.38091	-2.68096	0.008061	0.824933
cg127460							
59	chr4	1.34E+08		0.296012	2.679469	0.008095	0.825129
cg274721							
02	chr12	77459941		-0.27603	-2.67151	0.008282	0.826738
cg194522							
76	chr21	43736736		0.283544	2.679259	0.0081	0.825129
cg261422							
62	chr5	1.32E+08		-0.18942	-2.673	0.008246	0.826058
cg057732							
07	chr3	1.15E+08		-0.43011	-2.67464	0.008208	0.825845
cg155204							
43	chr10	1.19E+08		0.432125	2.684402	0.007982	0.82432
cg140022							
26	chr9	1.39E+08		-0.51369	-2.67194	0.008272	0.826605

cg148486							
85	chr6	1.39E+08		0.508976	2.675903	0.008178	0.825845
cg017484							
98	chr7	2290726		-0.29715	-2.6742	0.008218	0.825845
cg048203							
87	chr20	62887534		-0.35599	-2.6802	0.008078	0.824933
cg013834							
40	chr13	1.14E+08		-0.31204	-2.68011	0.008081	0.824933
cg023155							
08	chr14	77787366		-0.16001	-2.68638	0.007936	0.823862

			C3orf67;ENSG00				
			000242428;DEN				
			ND6A;ABHD6;RP				
cg241211			P14;FLNB				
68	chr3	58652503		0.26348	2.693345	0.007779	0.82254
cg128238							
39	chr7	1.55E+08		0.317186	2.667714	0.008372	0.827659
cg246737							
69	chr3	1.27E+08		-0.31134	-2.67798	0.00813	0.825545
cg199953							
43	chr15	64443886		-0.19856	-2.67896	0.008107	0.825249
cg177050							
66	chr19	3587038		0.704335	2.676356	0.008168	0.825545
cg078545							
47	chr8	50823173		0.431634	2.67364	0.008231	0.825989
cg014033							
79	chr10	1202350		-0.20768	-2.67628	0.00817	0.825545
cg256092							
20	chr19	49109961		-0.29808	-2.67209	0.008268	0.826605
cg146053							
57	chr9	93881805		-0.52669	-2.67103	0.008293	0.826738
cg264682							
74	chr6	43544000		-0.17563	-2.67421	0.008218	0.825845
cg201168							
05	chr12	54363054		0.405201	2.670833	0.008298	0.826738
cg045654							
64	chr8	1.46E+08		-0.24063	-2.669	0.008341	0.827659
cg136076							
99	chr17	42295918		-0.39375	-2.67562	0.008185	0.825845
cg086958							
55	chr7	94023743		0.327813	2.673281	0.00824	0.826058
cg161905							
47	chr2	1.54E+08		0.212503	2.674499	0.008211	0.825845
cg158402							
56	chr4	54243739	PDGFRA	-0.20288	-2.67827	0.008123	0.825545
cg028859							
22	chr22	47078434		0.246008	2.682279	0.00803	0.82432

cg136790							
83	chr5	53240482		-0.26068	-2.67428	0.008216	0.825845
cg161647							
32	chr22	36851465		0.353566	2.67677	0.008158	0.825545
cg074576							
26	chr6	1.55E+08		-0.49419	-2.66878	0.008347	0.827659
cg235407							
04	chr17	43046275		0.241481	2.679021	0.008106	0.825249
cg145173							
90	chr15	78463330	PEAK1	0.409407	2.666953	0.00839	0.827866
cg026146							
61	chr16	87878292		0.28273	2.691072	0.00783	0.822782
cg195498			TMEM229B;PIG				
98	chr14	68000922	H	0.532211	2.671408	0.008284	0.826738
cg137581							
86	chr2	1.02E+08	IL18R1	-0.42098	-2.6706	0.008303	0.826866
cg218342							
07	chr1	50489827		0.575732	2.67456	0.00821	0.825845
cg266885			AKAP9;FZD1;CDK				
82	chr7	91477554	14	-0.54627	-2.67135	0.008286	0.826738
cg079930							
03	chr19	55454132		-0.23915	-2.67475	0.008205	0.825845
cg274672							
49	chr20	43159618		-0.34123	-2.67819	0.008125	0.825545
cg267230			FAM92B;C16orf				
54	chr16	85650522	74;FOXL1	0.459689	2.670884	0.008297	0.826738
cg177652							
94	chr6	31632889	PPP1R18	-0.25309	-2.67301	0.008246	0.826058
cg086171							
35	chr6	9516073		-0.36953	-2.66565	0.008421	0.827866
cg262415							
14	chr10	1.03E+08		-0.26166	-2.66403	0.00846	0.829598
cg100354							
32	chr14	39644345		-0.27799	-2.67416	0.008219	0.825845
cg216345							
55	chr3	1.7E+08	ACTRT3	0.36724	2.668826	0.008346	0.827659
cg153212							
11	chr10	43905515	ZNF33B	0.393652	2.674892	0.008202	0.825845
cg243016							
81	chr11	1.03E+08		-0.38883	-2.66645	0.008402	0.827866
cg030602							
14	chr16	89131017		-0.36916	-2.66704	0.008388	0.827866
cg232636							
41	chr19	44128109		0.372903	2.682512	0.008025	0.82432
cg192698							
07	chr8	1.41E+08		0.368375	2.674444	0.008213	0.825845
cg202469							
07	chr13	99316927		-0.28353	-2.68182	0.008041	0.824604

cg115700							
82	chr7	1.17E+08		-0.31728	-2.66585	0.008417	0.827866
			CACNA1C;CCND				
cg210089			2;TSPAN9;RAD5				
69	chr12	3680597	1AP1;C12orf4	-0.38621	-2.67179	0.008275	0.826605
cg136964							
36	chr10	1.32E+08		0.386852	2.673605	0.008232	0.825989
cg185496							
88	chr2	2.36E+08		-0.47765	-2.66943	0.008331	0.827659
cg102339							
04	chr20	61625364		-0.4288	-2.66792	0.008367	0.827659
cg165535							
89	chr5	1.23E+08		0.646734	2.669153	0.008338	0.827659
cg108724							
45	chr11	71951279		0.350556	2.665687	0.008421	0.827866
cg220322							
92	chr6	24876193		0.344635	2.662125	0.008507	0.830948
cg112172							
73	chr11	1.29E+08		0.192686	2.67351	0.008235	0.82602
cg085045							
83	chr13	78315584		-0.64015	-2.67537	0.008191	0.825845
cg054695							
74	chr17	79355928		-0.24206	-2.67487	0.008203	0.825845
cg129097							
32	chr7	45194529		0.248306	2.669644	0.008326	0.827621
cg218314							
63	chr7	1.32E+08		-0.58017	-2.6658	0.008418	0.827866
cg034728							
98	chr14	29240992		-0.35111	-2.66524	0.008431	0.82827
cg148157							
43	chr19	47354685		0.568369	2.66848	0.008354	0.827659
cg068383							
65	chr3	9595269	GHRL;OGG1	0.271903	2.67292	0.008248	0.826058
cg072288							
69	chr7	1.43E+08	FAM115B	-0.23802	-2.66345	0.008474	0.829639
cg081970							
72	chr16	1316081		-0.2585	-2.66928	0.008335	0.827659
cg132014							
61	chr1	1.09E+08		0.295029	2.671915	0.008272	0.826605
cg174058							
40	chr12	24717001		0.51367	2.666373	0.008404	0.827866
cg076345							
16	chr4	1.88E+08		-0.25182	-2.6734	0.008237	0.826058
cg020976							
04	chr17	17750910	TBC1D27	-0.25457	-2.66819	0.008361	0.827659
cg011380							
78	chr7	1220000		-0.29361	-2.67429	0.008216	0.825845

cg061286							
88	chr12	96883733		0.273283	2.66094	0.008535	0.831582
cg066579							
44	chr3	1.77E+08		-0.29471	-2.66791	0.008367	0.827659
cg270942							
44	chr11	61335269		0.351468	2.667817	0.00837	0.827659

			ENSG000002239				
			91;PPP1R7;ENSG				
			00000233392;P				
			ASK;ENSG00000				
			226321;BOK;KIF				
			1A;SNED1;ENSG				
cg012221			00000216921				
68	chr2	2.43E+08		0.503029	2.676799	0.008157	0.825545
cg111716							
72	chr14	1.04E+08		-0.29496	-2.66687	0.008392	0.827866
cg039756							
52	chr1	1559155		-0.39867	-2.67029	0.008311	0.827043
cg072045							
50	chr4	21950155		0.375778	2.665808	0.008418	0.827866
cg099015							
74	chr16	3197518		-0.32729	-2.67099	0.008294	0.826738
cg145464							
71	chr5	65892027		0.186103	2.667758	0.008371	0.827659
cg040965							
19	chr11	60620343		0.317229	2.667939	0.008367	0.827659
cg005544							
42	chr16	1021074		0.209194	2.669829	0.008322	0.827377
cg075713							
79	chr11	1.35E+08		0.318918	2.666099	0.008411	0.827866

			KCNA3;CSF1;AM				
			IGO1;LAMTOR5;				
			ENSG000002598				
cg004843			34;GSTM5				
58	chr1	1.11E+08		0.228104	2.671188	0.008289	0.826738
cg123110							
94	chr17	72581081		0.290626	2.663017	0.008485	0.830355
cg193540							
39	chr17	58217571		0.29884	2.662266	0.008503	0.830948
cg040906							
97	chr10	1.34E+08		-0.24159	-2.66282	0.00849	0.830381
cg102428							
92	chr3	18486305		0.290348	2.677316	0.008145	0.825545

cg024123							
99	chr5	88307760		-0.39748	-2.66355	0.008472	0.829639
cg253940							
42	chr10	1.31E+08		-0.2686	-2.67189	0.008273	0.826605
cg131324							
04	chr1	38471629		-0.24877	-2.66417	0.008457	0.829587
cg256989							
35	chr13	1.13E+08		0.554023	2.66483	0.008441	0.829047
cg226333							
81	chr12	1799875		-0.21188	-2.67385	0.008226	0.825989
cg190064							
29	chr6	30043325	HLA-F	0.298374	2.665811	0.008418	0.827866
cg174319							
52	chr5	1.14E+08		-0.47098	-2.66373	0.008468	0.829639
cg160812							
81	chr8	23559839		0.410224	2.66853	0.008353	0.827659
cg126182							
70	chr8	8667411		0.424353	2.672198	0.008266	0.826605
cg123010							
87	chr19	50762584		0.272828	2.662107	0.008507	0.830948
cg158573							
29	chr8	1.45E+08	MIR4664	-0.34152	-2.65937	0.008574	0.832433
cg102823							
19	chr8	1.45E+08		-0.29196	-2.66299	0.008486	0.830355
cg260938							
47	chr6	1.71E+08		0.300693	2.668911	0.008343	0.827659
cg131897							
18	chr4	24662290		-0.23559	-2.65967	0.008566	0.832235
cg156357							
28	chr19	56152354	BRSK1	-0.20001	-2.66588	0.008416	0.827866
cg161451							
13	chr1	1.2E+08		0.271883	2.661911	0.008512	0.830948
cg229444							
61	chr7	1.28E+08		-0.20945	-2.66186	0.008513	0.830948
cg258557							
68	chr7	1.27E+08		0.473206	2.658683	0.00859	0.832433
cg092191							
42	chr13	20767876	SLC35E1P1;IFT88	-0.17208	-2.65821	0.008602	0.832433
cg248247							
34	chr22	24195377		-0.36102	-2.65965	0.008567	0.832235
cg145831							
27	chr10	37940493		0.55812	2.660225	0.008553	0.832162
cg004682			CSPP1;PPP1R42; ENSG000002461				
28	chr8	67092562	45	-0.28403	-2.67676	0.008158	0.825545
cg198725							
37	chr13	96239925		-0.39141	-2.6699	0.00832	0.827377
cg036048							
38	chr2	1.01E+08		0.319338	2.664183	0.008457	0.829587

cg258764							
43	chr15	89960104		0.444404	2.667304	0.008382	0.827811
cg210160							
04	chr12	16759591		-0.27806	-2.66144	0.008523	0.831122
cg262722							
48	chr8	1.45E+08		0.53055	2.660721	0.008541	0.831582
cg020708							
73	chr10	45869189		0.256323	2.670154	0.008314	0.827043
cg145480							
38	chr9	1.4E+08		0.23513	2.663544	0.008472	0.829639
cg239165							
16	chr1	2.07E+08		0.407095	2.667598	0.008375	0.827659
cg201031							
04	chr3	97541445		-0.24153	-2.66083	0.008538	0.831582
cg135093							
22	chr5	72733052		-0.24057	-2.67626	0.00817	0.825545

cg041913			TRMT61A;ENSG				
06	chr14	1.05E+08	00000257556	-0.306	-2.66007	0.008557	0.832235

cg273244			PEG3;ZNF134;ZN				
26	chr19	58220837	F773;ZIK1	0.42708	2.666244	0.008407	0.827866
cg150159							
13	chr1	17282008		0.303444	2.670534	0.008305	0.826866
cg266454							
68	chr5	1.34E+08		0.372068	2.667663	0.008373	0.827659
cg239495							
19	chr6	1.44E+08		-0.36075	-2.66412	0.008458	0.829587
cg098682							
74	chr12	1.1E+08		0.310636	2.665302	0.00843	0.82827
cg191167			ENSG000002383				
47	chr5	1.49E+08	69	-0.22286	-2.65719	0.008627	0.832433
cg229220							
10	chr19	40888270		-0.23508	-2.66723	0.008384	0.827811
cg018249							
33	chr17	75539901		-0.65845	-2.66774	0.008371	0.827659
cg270069							
14	chr7	5717968	RADIL	0.356503	2.663902	0.008464	0.829639
cg243856							
66	chr4	2278261		0.23132	2.657707	0.008614	0.832433

cg088453			ICAM1;PDE4A;Z				
33	chr19	10403403	NF561;ENSG000	0.533929	2.654944	0.008682	0.832433
cg153226							
41	chr3	50712443		-0.31619	-2.65756	0.008618	0.832433
cg083241							
52	chr19	57172404		0.601975	2.658815	0.008587	0.832433



cg147016							
82	chr6	52007909		-0.31709	-2.68096	0.008061	0.824933
cg055451							
72	chr6	32811777		-0.18313	-2.65969	0.008566	0.832235
cg250727							
33	chr13	37249481		0.334923	2.665452	0.008426	0.828147
cg221062							
20	chr22	25758637		0.316587	2.666286	0.008406	0.827866
cg039385							
16	chr1	53731693		0.261543	2.657497	0.008619	0.832433
cg113035							
61	chr19	1206399		-0.20573	-2.66627	0.008407	0.827866
cg015261							
77	chr4	9379166		-0.3957	-2.65441	0.008696	0.832433
cg271956			CRYZP1;FAM185				
76	chr7	1.02E+08	A	0.375137	2.65599	0.008657	0.832433
cg205553							
05	chr8	1.46E+08		-0.39103	-2.66414	0.008458	0.829587
cg171423							
71	chr1	1.55E+08		-0.20296	-2.6551	0.008678	0.832433
cg134713							
74	chr9	4804137		0.304171	2.659304	0.008575	0.832433
cg118633			ENSG000002251				
80	chr5	95094981	65;C5orf27	0.39657	2.678583	0.008116	0.825545
cg163212							
80	chr11	44332972		0.317357	2.653609	0.008715	0.832433
cg140897							
14	chr13	37004601	NBEA	0.391768	2.658548	0.008594	0.832433
cg038847							
92	chr12	49372108		0.20929	2.660535	0.008545	0.831616
cg227856							
72	chr7	44083650		0.369762	2.655089	0.008679	0.832433
cg144617							
52	chr5	1.43E+08		-0.36633	-2.66063	0.008543	0.831582
cg200208							
44	chr17	45929963		0.446085	2.65363	0.008715	0.832433
cg198756							
56	chr3	46759096		0.458216	2.668299	0.008358	0.827659
cg199097							
87	chr10	1.25E+08		0.373773	2.668073	0.008363	0.827659
cg105791							
28	chr15	59225866		0.163485	2.658398	0.008597	0.832433
cg046858							
13	chr8	1.24E+08		-0.32144	-2.65805	0.008606	0.832433
cg218319							
31	chr3	5137953		0.268263	2.655506	0.008668	0.832433
cg186634							
99	chr3	1.19E+08		-0.19254	-2.65663	0.008641	0.832433

cg250122							
19	chr12	56545810	IKZF4	0.287945	2.656118	0.008653	0.832433
cg068741							
72	chr1	1.57E+08		-0.27909	-2.66725	0.008383	0.827811
cg091178							
26	chr6	86303884		0.167012	2.65487	0.008684	0.832433
cg082535							
13	chr12	53715584		-0.20396	-2.66352	0.008473	0.829639
cg152142							
29	chr20	35275274		-0.33547	-2.65543	0.00867	0.832433
cg137239							
83	chr9	1.32E+08		0.258596	2.661386	0.008525	0.831122
cg261098			ENSG000002236				
43	chr2	1.61E+08	42	-0.3583	-2.66947	0.00833	0.827659
cg147587			MAFG- AS1;PCYT2;BAIA				
57	chr17	79265454	P2-AS1;RNF213	0.400816	2.666575	0.008399	0.827866
cg224428							
95	chr6	30069213		-0.45454	-2.658	0.008607	0.832433
cg248099							
73	chr8	72468820	MSC	0.482153	2.661582	0.00852	0.831122
cg220229							
57	chr11	2908102		-0.39786	-2.66429	0.008454	0.829587
cg085618							
56	chr19	44324945	ZNF404	0.482194	2.661866	0.008513	0.830948
cg193727							
31	chr12	1800405		-0.18832	-2.65996	0.008559	0.832235
cg025223			EGFL7;NPDC1;EX D3;FAM69B;EH				
67	chr9	1.4E+08	MT1	-0.43888	-2.65559	0.008666	0.832433
cg221979							
34	chr18	14499446		-0.41792	-2.65896	0.008584	0.832433
cg265860							
03	chr2	64991312		0.292096	2.655917	0.008658	0.832433
ch.8.1279							
20202R	chr8	1.28E+08		-0.41316	-2.66683	0.008393	0.827866
cg225179							
95	chr19	37096588	ZNF420;ZFP82	0.340357	2.658277	0.0086	0.832433
cg116278							
23	chr7	1.29E+08	SMO	0.330951	2.660695	0.008541	0.831582
cg045960							
04	chr13	1.13E+08		0.368313	2.650323	0.008797	0.832713
cg129959							
41	chr1	1.57E+08		0.33596	2.662479	0.008498	0.830948
cg138732							
69	chr9	1.15E+08		0.298319	2.655354	0.008672	0.832433

cg064011							
38	chr20	18487539	0.197545	2.661383	0.008525	0.831122	
cg219261							
38	chr1	1.12E+08	-0.39844	-2.65964	0.008567	0.832235	
cg257765							
55	chr19	52531777	-0.3335	-2.66172	0.008516	0.831082	
cg143544							
18	chr7	29874354	-0.22997	-2.65328	0.008723	0.832433	
cg054980							
07	chr18	44526756	0.565391	2.653459	0.008719	0.832433	
cg155727							
79	chr7	1.51E+08	0.265592	2.654036	0.008705	0.832433	
cg020640							
73	chr3	33155252	-0.19516	-2.65822	0.008602	0.832433	
cg172127							
91	chr22	49483368	-0.52803	-2.65435	0.008697	0.832433	
cg025183							
94	chr17	79905319	-0.30371	-2.65732	0.008624	0.832433	
cg078191							
60	chr22	37420328	0.4096	2.656417	0.008646	0.832433	
cg262348							
76	chr11	66491629 RBM14	-0.24408	-2.65856	0.008593	0.832433	
cg275265							
18	chr12	3709926	-0.31878	-2.65356	0.008717	0.832433	
cg119558							
78	chr4	1.66E+08	0.652734	2.660973	0.008535	0.831582	
cg059391							
49	chr2	43986106	-0.7193	-2.6516	0.008765	0.832433	
cg120820							
48	chr2	5576195	-0.41863	-2.65559	0.008666	0.832433	
cg105893							
53	chr11	1.26E+08	-0.25176	-2.65488	0.008684	0.832433	
cg154639							
07	chr15	89902526	-0.18054	-2.65859	0.008593	0.832433	
cg256352							
51	chr11	2234043	0.847078	2.644904	0.008933	0.832713	
cg073033							
08	chr7	1.29E+08	-0.4069	-2.6524	0.008745	0.832433	
cg047038							
00	chr6	56956578 PRIM2	0.33052	2.653698	0.008713	0.832433	
cg169374							
10	chr3	30442674	0.380196	2.663653	0.00847	0.829639	
cg086586							
65	chr15	99640754	0.313118	2.662844	0.008489	0.830381	
cg006999							
93	chr4	1.58E+08	0.345066	2.654938	0.008682	0.832433	
cg262758							
41	chr14	1.03E+08	-0.34092	-2.65714	0.008628	0.832433	
cg114684							
62	chr12	57610686	-0.15457	-2.65661	0.008641	0.832433	

cg199504							
55	chr21	44495595	0.198412	2.65149	0.008768	0.832433	
cg097401							
33	chr12	12871752	0.373324	2.652954	0.008732	0.832433	
cg264655							
47	chr7	1.53E+08	-0.2738	-2.65274	0.008737	0.832433	
cg031073							
93	chr17	46692553 SP6	0.38449	2.649351	0.008821	0.832713	
cg101765							
14	chr1	7688803	0.210817	2.654833	0.008685	0.832433	
cg195455							
60	chr19	51688987	-0.26501	-2.656	0.008656	0.832433	
cg120218							
82	chr12	1.33E+08	0.268775	2.65754	0.008618	0.832433	
cg231562							
26	chr8	1.03E+08	-0.27882	-2.65557	0.008667	0.832433	
cg007311							
85	chr7	1.55E+08	0.355205	2.655236	0.008675	0.832433	
cg117737							
20	chr18	905180	0.563258	2.652028	0.008755	0.832433	
cg059673							
40	chr16	54146616	-0.26176	-2.656	0.008656	0.832433	
cg065660							
34	chr18	47825363 CCDC11	0.323182	2.653548	0.008717	0.832433	
cg222599							
32	chr22	30162890 SDC4P;SEC14L3	-0.24596	-2.65773	0.008614	0.832433	
cg136828							
64	chr1	2.38E+08	-0.39886	-2.6519	0.008758	0.832433	
cg065779							
30	chr7	25219840	-0.20439	-2.65694	0.008633	0.832433	
cg030973							
36	chr16	84178939	-0.20515	-2.64939	0.008821	0.832713	
cg255189							
68	chr17	48845009 UTP18	-0.47256	-2.64801	0.008855	0.832713	
cg122834							
82	chr4	57254754	0.436598	2.654004	0.008706	0.832433	
cg142424							
60	chr6	5261506	-0.18968	-2.66199	0.00851	0.830948	
cg007435							
40	chr3	57197420	-0.32839	-2.6558	0.008661	0.832433	
cg047478		SNORD3A;SNOR					
63	chr17	18761731 D3B-1	-0.24935	-2.65185	0.008759	0.832433	
cg127130		TBX3;TBX5;TBX5-					
60	chr12	1.15E+08 AS1	0.232093	2.66721	0.008384	0.827811	
cg101517							
41	chr19	5340810	-0.21035	-2.65218	0.008751	0.832433	

cg186979			APPL2;TCP11L2;				
96	chr12	1.06E+08	C12orf75	0.382066	2.659836	0.008562	0.832235
cg220506							
11	chr11	1321954	IGF2;MOB2	0.305219	2.649741	0.008812	0.832713
cg025783							
27	chr2	668370		-0.28925	-2.6478	0.00886	0.832713
cg094087							
18	chr6	7911245		-0.31075	-2.64748	0.008868	0.832713
cg214885							
38	chr2	98964436		0.338338	2.664602	0.008447	0.829394
cg130004							
96	chr7	50132653		0.405065	2.653698	0.008713	0.832433
cg071765							
61	chr7	1.58E+08		0.390289	2.646387	0.008896	0.832713
cg074212							
61	chr8	1.34E+08	SLA	0.329137	2.648182	0.008851	0.832713
cg248019							
37	chr6	1.31E+08		0.386471	2.649122	0.008827	0.832713
cg029357							
18	chr16	55718768		-0.29638	-2.65374	0.008712	0.832433
cg105627							
86	chr11	12187606		0.420498	2.650137	0.008802	0.832713
cg268761							
14	chr16	2511507		-0.2222	-2.64816	0.008851	0.832713

			MYH9;IFT27;LGA				
cg222291			LS1;ANKRD54;C				
42	chr22	37447306	DC42EP1	0.221361	2.653027	0.00873	0.832433
cg086622							
27	chr15	81411066		0.44767	2.648419	0.008845	0.832713
cg261307							
26	chr6	84569839		-0.41159	-2.64763	0.008865	0.832713
cg197558							
33	chr5	1.68E+08		-0.38731	-2.65491	0.008683	0.832433
cg037673							
00	chr7	67975977		-0.31881	-2.66231	0.008502	0.830948
cg126247							
21	chr8	1.44E+08		-0.48434	-2.65135	0.008771	0.832433
cg008152							
30	chr8	1.46E+08	MAPK15	0.236651	2.645642	0.008915	0.832713
cg014734							
15	chr12	1.04E+08		0.239512	2.667856	0.008369	0.827659
cg213739							
96	chr10	560669	ADARB2	0.518701	2.650733	0.008787	0.832713
cg093272							
53	chr7	31147318		-0.32246	-2.65291	0.008733	0.832433
cg081388							
17	chr16	49902342		0.309274	2.650705	0.008788	0.832713

cg170140							
09	chr2	1.53E+08		-0.26879	-2.65419	0.008701	0.832433
cg250177			SLC2A5;ENSG00				
77	chr1	9298817	000234546	0.323697	2.653096	0.008728	0.832433
cg106230			ENSG0000002516				
43	chr11	67211318	37	-0.29604	-2.65444	0.008695	0.832433
cg103207							
59	chr12	1.13E+08		-0.22486	-2.65027	0.008798	0.832713
cg251460							
42	chr1	33236105	FNDC5;SYNC	0.247503	2.655642	0.008665	0.832433
cg003222							
61	chr11	82115128		-0.46083	-2.67127	0.008288	0.826738
cg006254							
43	chr15	80997087		0.283551	2.653443	0.008719	0.832433
cg172176							
77	chr16	68483194	DUS2	0.316053	2.646589	0.008891	0.832713
cg154258							
11	chr22	31318181		0.611835	2.654417	0.008695	0.832433
cg245473							
59	chr1	53975500	SSBP3	-0.29732	-2.65708	0.00863	0.832433
cg123401							
66	chr8	1340723		-0.31997	-2.65305	0.008729	0.832433
cg257817							
11	chr6	1.67E+08		0.206115	2.648016	0.008855	0.832713
cg153008							
56	chr21	44497019		-0.4662	-2.65054	0.008792	0.832713
cg023667							
98	chr7	27237154		0.373838	2.6523	0.008748	0.832433
cg126885							
97	chr15	20487872		-0.2645	-2.65109	0.008778	0.832713
			ZNF471;ZIK1;PE				
			G3;ZNF667-				
cg027930			AS1;ZNF671;ZNF				
99	chr19	57350004	549	0.233645	2.648328	0.008847	0.832713
cg047489							
72	chr4	1.85E+08		-0.317	-2.64421	0.008951	0.832713
cg180312							
21	chr5	87441287		0.362845	2.65134	0.008772	0.832433
cg252836							
26	chr12	1.26E+08		0.438664	2.647233	0.008875	0.832713
cg012637							
16	chr11	2951590		-0.17365	-2.64915	0.008826	0.832713
cg120073							
72	chr19	22020888	ZNF493	-0.32787	-2.65677	0.008637	0.832433
cg026319							
17	chr10	93669852		-0.44773	-2.64602	0.008905	0.832713

cg011015			PLEKHG4B;TRIP1				
22	chr5	1037853	3	-0.21958	-2.65081	0.008785	0.832713
cg018571							
86	chr11	1.24E+08		-0.3189	-2.65349	0.008718	0.832433
cg151078							
71	chr6	761581		-0.39054	-2.64684	0.008885	0.832713
cg101413							
19	chr6	27356319		-0.3284	-2.64957	0.008816	0.832713
cg237259							
24	chr10	7763777		-0.39642	-2.65208	0.008753	0.832433
cg270051							
81	chr13	20208413		-0.29283	-2.64736	0.008871	0.832713
cg219649							
99	chr12	1.31E+08		-0.2187	-2.64546	0.008919	0.832713
cg096720							
82	chr5	271577		0.168194	2.645811	0.008911	0.832713
cg263154							
93	chr9	35071724		-0.2919	-2.6425	0.008995	0.832713
cg057898							
81	chr3	25467534	THRB-IT1	-0.39655	-2.6518	0.00876	0.832433
cg000518							
18	chr7	66367658		0.288366	2.644747	0.008937	0.832713
cg146440							
25	chr17	62502565		-0.24295	-2.65407	0.008704	0.832433
cg214593							
40	chr20	2781324		-0.21522	-2.65011	0.008802	0.832713
cg046239							
55	chr14	1.02E+08		0.299659	2.643503	0.008969	0.832713
cg212213							
77	chr20	62574092	ZBTB46;SOX18	-0.24569	-2.65281	0.008735	0.832433
cg168308							
70	chr12	95397608		0.432829	2.644467	0.008945	0.832713
cg091310							
32	chr2	2.39E+08		-0.189	-2.64435	0.008948	0.832713
cg254010							
27	chr5	1.76E+08		0.415571	2.647859	0.008859	0.832713
cg094589							
56	chr2	1.67E+08		0.558397	2.645426	0.00892	0.832713
cg149002							
95	chr10	1.35E+08	FUOM	0.230981	2.648417	0.008845	0.832713
cg047284							
02	chr11	62104662		0.373896	2.648379	0.008846	0.832713
cg096116							
85	chr5	1.23E+08		-0.3985	-2.65823	0.008601	0.832433
cg162045							
24	chr2	26565759		-0.50212	-2.64629	0.008899	0.832713
cg159083							
08	chr4	43459582		-0.40906	-2.64491	0.008933	0.832713
cg029912							
38	chr20	62734259		0.251378	2.649076	0.008828	0.832713

cg078343							
21	chr7	159531		0.258953	2.65219	0.008751	0.832433
cg212118							
66	chr9	35111727	CCL19;DNAI1	-0.21132	-2.64504	0.00893	0.832713
cg206806							
64	chr1	59282191		0.180305	2.644526	0.008943	0.832713
cg052921							
50	chr2	75787340		-0.32559	-2.64915	0.008826	0.832713
cg062199							
95	chr1	16374768		-0.14922	-2.64392	0.008958	0.832713
ch.11.340							
609R	chr11	12831013		0.407578	2.647339	0.008872	0.832713
cg185130							
23	chr6	44009266	TMEM63B	-0.37915	-2.65151	0.008767	0.832433
cg233247							
87	chr11	36619694		-0.40079	-2.65045	0.008794	0.832713
cg216198							
14	chr5	1.4E+08		0.544082	2.644734	0.008938	0.832713
cg128206							
81	chr7	1.55E+08		0.426933	2.642108	0.009005	0.832713
cg131507							
65	chr14	73336176		-0.29445	-2.64257	0.008993	0.832713
cg112505							
76	chr5	1.32E+08		0.269409	2.646196	0.008901	0.832713
cg272534							
69	chr10	1.35E+08		-0.33964	-2.65187	0.008759	0.832433
cg262980							
99	chr14	76837758		-0.1984	-2.64422	0.008951	0.832713
cg006529							
08	chr16	46878164		0.358487	2.647691	0.008863	0.832713
cg002929							
86	chr2	1.03E+08		-0.29103	-2.64552	0.008918	0.832713
cg263395							
04	chr10	1.19E+08		0.322846	2.650849	0.008784	0.832713
cg101003							
18	chr2	3504532		0.375532	2.651671	0.008764	0.832433
cg194634							
71	chr19	10197190		-0.4585	-2.65157	0.008766	0.832433
cg040063							
23	chr4	1.86E+08	UFSP2	-0.3147	-2.65023	0.008799	0.832713
cg140764							
17	chr5	43412601	C5orf34	-0.42322	-2.6555	0.008669	0.832433
cg223180							
10	chr13	96743652		0.290747	2.648254	0.008849	0.832713
cg062533			ENSG000002381				
52	chr12	1.12E+08	68	-0.25887	-2.65183	0.008759	0.832433
cg153167							
50	chr2	6636069		0.470734	2.644261	0.00895	0.832713
cg018514							
50	chr6	1.47E+08	ADGB	0.32955	2.656411	0.008646	0.832433



cg086395							
86	chr19	34111483		-0.33215	-2.64295	0.008983	0.832713
cg241603							
71	chr5	1.07E+08		-0.45551	-2.64508	0.008929	0.832713
cg046182							
30	chr4	54677002		-0.32595	-2.64896	0.008831	0.832713
cg065510							
25	chr12	92540043		0.291898	2.639188	0.009079	0.832713
cg116400							
46	chr10	1.21E+08		0.368951	2.640085	0.009056	0.832713
cg078617							
90	chr13	1.13E+08		0.375926	2.645014	0.008931	0.832713
cg184801							
68	chr10	1.21E+08		0.290962	2.653657	0.008714	0.832433
			GAS8;SPATA33;E				
			NSG0000026025				
cg021932			9;GALNS;C16orf				
83	chr16	89164953	3	0.321059	2.666086	0.008411	0.827866
cg019600							
43	chr14	64058994		-0.25243	-2.6503	0.008798	0.832713
cg011456			ENSG000002412				
53	chr3	1.26E+08	88	-0.39417	-2.63837	0.0091	0.832713
cg145223							
02	chr1	2.26E+08		-0.19374	-2.64478	0.008937	0.832713
cg273889							
11	chr3	24537277		0.311995	2.64526	0.008924	0.832713
cg108154							
00	chr1	65210420		-0.1964	-2.64487	0.008934	0.832713
cg175342							
16	chr8	37799139		-0.19024	-2.65733	0.008624	0.832433
cg276291							
24	chr12	8995591		0.293972	2.646881	0.008884	0.832713
cg269770							
86	chr12	1.32E+08		0.26923	2.660757	0.00854	0.831582
cg146414							
00	chr17	46813828	SP6	0.339788	2.645044	0.00893	0.832713
cg021159							
60	chr5	95769079		0.324821	2.645143	0.008927	0.832713
			ENSG000002505				
cg060288			08;MRPL21;IGH				
08	chr11	68637592	MBP2	0.573658	2.638912	0.009086	0.832713
cg162456							
98	chr18	43355989		0.415136	2.641749	0.009014	0.832713
cg190956							
00	chr5	1.55E+08		0.360553	2.638787	0.00909	0.832713
cg194528							
02	chr6	46459961		0.344537	2.644576	0.008942	0.832713

cg174736							
56	chr4	1.9E+08		-0.32716	-2.63774	0.009117	0.832713
cg165861							
52	chr7	1.06E+08		0.170194	2.65023	0.008799	0.832713
cg039285							
39	chr17	21279613		-0.31015	-2.64896	0.008831	0.832713

cg272340			KMT2A;PHLDB1;				
90	chr11	1.19E+08	UBE4A;ATP5L	0.346256	2.652663	0.008739	0.832433
cg099943							
68	chr11	9589403	RPL27A	-0.27451	-2.64098	0.009033	0.832713
cg216286							
19	chr6	1.05E+08		-0.41268	-2.64415	0.008953	0.832713
cg204734							
20	chr12	67782441		-0.46841	-2.64448	0.008944	0.832713
cg136197							
72	chr1	1.78E+08		-0.24294	-2.63687	0.009139	0.832713
cg073957							
88	chr6	1.08E+08		0.32995	2.644533	0.008943	0.832713
cg204578							
91	chr7	2297053		-0.3349	-2.64002	0.009058	0.832713
cg186317							
98	chr4	8396163		-0.3736	-2.63973	0.009065	0.832713
cg134434							
17	chr9	1.17E+08		-0.31322	-2.64594	0.008907	0.832713
cg173548							
07	chr6	44280781		-0.22543	-2.6394	0.009074	0.832713
cg119953							
74	chr7	1663600		-0.33956	-2.63953	0.009071	0.832713

			LRRC56;MUC5B; DEAF1;IFITM1;B 4GALNT4;TSPAN				
cg166895							
94	chr11	1226924	4	0.308311	2.647872	0.008859	0.832713
cg134959							
18	chr1	1.62E+08		-0.40103	-2.64564	0.008915	0.832713
cg093732							
98	chr3	1.27E+08		-0.23774	-2.63395	0.009215	0.832713

			RNF157- AS1;FOXJ1;SEC1 4L1;ST6GALNAC 2;ITGB4;UBALD2 ;RHBDF2;SPHK1; TRIM65;WBP2;R NF157;TRIM47;L INC00338;PRPSA P1;EVPL;SAP30B				
cg104142 08	chr17	74669923	P;FBF1	0.316207	2.654771	0.008687	0.832433
cg207129 80	chr7	1.29E+08	53	0.306572	2.646575	0.008891	0.832713
cg139773 20	chr9	1.17E+08		-0.26322	-2.64119	0.009028	0.832713
cg111806 67	chr10	1.01E+08	ENTPD7;HPSE2	-0.36274	-2.64203	0.009007	0.832713
cg028855 19	chr10	1.35E+08		-0.42539	-2.63759	0.009121	0.832713
cg023391 22	chr17	54245140		-0.35428	-2.64109	0.009031	0.832713
cg253127 63	chr12	49182908		0.32894	2.638667	0.009093	0.832713
cg009925 86	chr3	8000912		-0.25564	-2.6421	0.009005	0.832713
cg174153 71	chr20	23338762		-0.17578	-2.6474	0.00887	0.832713
cg263691 78	chr2	11627270		0.381876	2.642129	0.009004	0.832713
cg272985 51	chr12	53468855		-0.28184	-2.63711	0.009133	0.832713
cg168732 90	chr10	75683563		-0.27116	-2.64019	0.009054	0.832713
cg117369 40	chr1	1.55E+08		0.278142	2.643043	0.008981	0.832713
cg094375 23	chr16	85247785		0.801766	2.644714	0.008938	0.832713
cg230308 63	chr11	1.34E+08		0.577298	2.638099	0.009107	0.832713
cg233464 08	chr10	81001957	PPIF;ENSG00000 235426	-0.37552	-2.63843	0.009099	0.832713
cg013506 86	chr1	24439075		0.252632	2.643574	0.008967	0.832713

cg103787							
95	chr6	1.58E+08		0.443634	2.649669	0.008813	0.832713
cg204160							
31	chr10	52834189		0.259012	2.643481	0.00897	0.832713
cg176031							
84	chr22	38669222		-0.21693	-2.64714	0.008877	0.832713
cg037201			FENDRR;FOXF1;F				
95	chr16	87119252	OXL1;MTHFSD	-0.34676	-2.63576	0.009168	0.832713
cg100670							
62	chr21	44086302		-0.23487	-2.64166	0.009016	0.832713
cg072732			MMP2;CES1P1;C				
22	chr16	55794031	RNDE	0.447516	2.639361	0.009075	0.832713
cg075099							
92	chr4	3742224		0.437617	2.634978	0.009188	0.832713
cg048406							
52	chr12	685539		-0.28044	-2.64817	0.008851	0.832713
cg080896							
93	chr6	39098871		0.480915	2.636423	0.009151	0.832713
cg165835							
52	chr5	1.41E+08		0.54349	2.640663	0.009042	0.832713
cg088479							
44	chr7	1740190		-0.35209	-2.6456	0.008916	0.832713
cg002784							
94	chr4	8639337		-0.25128	-2.63583	0.009166	0.832713
cg125546							
34	chr19	50159969		-0.3056	-2.64715	0.008877	0.832713
cg134965							
11	chr12	12022684		-0.34063	-2.647	0.00888	0.832713
cg248225							
52	chr7	89870607		-0.43975	-2.6393	0.009076	0.832713
cg110940							
40	chr10	1.29E+08		-0.43129	-2.6389	0.009087	0.832713
cg143243							
38	chr9	1.31E+08		-0.18833	-2.64143	0.009022	0.832713
cg022134			ENSG000002591				
75	chr14	75536010	03	-0.23529	-2.65339	0.008721	0.832433
cg030541							
41	chr12	8234711	SLC2A3	-0.29908	-2.64271	0.008989	0.832713
cg033030							
25	chr16	85833081		-0.17871	-2.6545	0.008693	0.832433
cg091697							
79	chr13	20751710		0.462868	2.634527	0.0092	0.832713
cg097560							
14	chr16	89152366		-0.36662	-2.63584	0.009166	0.832713
cg128828							
04	chr14	1.06E+08		-0.2833	-2.64391	0.008959	0.832713

cg276363							
10	chr1	46632696		0.270543	2.646413	0.008895	0.832713
cg233932							
42	chr7	1.57E+08		0.294371	2.648739	0.008837	0.832713
cg260121							
03	chr16	11349372		-0.23378	-2.63472	0.009195	0.832713
cg140495							
35	chr12	28343906		-0.3237	-2.64275	0.008988	0.832713
cg008304							
01	chr7	1.52E+08		-0.31085	-2.63578	0.009167	0.832713
cg095590							
21	chr1	34630518		0.36211	2.631815	0.009271	0.832713
cg256711							
64	chr10	60029361		-0.28975	-2.64052	0.009045	0.832713
cg008726							
76	chr7	1.28E+08		0.241419	2.635138	0.009184	0.832713
cg016076							
25	chr6	32847830 BAK1;SYNGAP1		0.607203	2.630922	0.009294	0.832713
cg009754							
18	chr9	1.3E+08		-0.44741	-2.63694	0.009137	0.832713
cg252588							
12	chr8	42195612		0.226743	2.639302	0.009076	0.832713
cg251299							
85	chr3	70008521		-0.2884	-2.64442	0.008946	0.832713
cg077537							
55	chr3	1.82E+08		-0.42548	-2.63924	0.009078	0.832713
cg141495							
52	chr9	80642464		-0.49618	-2.63923	0.009078	0.832713
cg117031							
79	chr2	1.43E+08		-0.29917	-2.64012	0.009055	0.832713
cg094785							
91	chr6	42989096		-0.22474	-2.63674	0.009143	0.832713
cg009164							
39	chr6	31509424 HLA-DRA		-0.40839	-2.63116	0.009288	0.832713
cg123233							
47	chr10	1.12E+08		-0.30154	-2.64203	0.009007	0.832713
cg168902							
98	chr7	99130257		-0.32071	-2.63473	0.009195	0.832713
cg212530							
87	chr9	1.39E+08		0.39585	2.633319	0.009231	0.832713
cg054724							
68	chr8	72917350		-0.25381	-2.63584	0.009166	0.832713
cg244353							
48	chr4	1865267 SLBP		0.223173	2.64075	0.009039	0.832713
cg142180							
37	chr3	1.56E+08		-0.38501	-2.63988	0.009062	0.832713
cg163380							
12	chr6	1.11E+08		-0.35768	-2.63839	0.0091	0.832713
cg213858							
22	chr15	75661000		0.208203	2.630694	0.0093	0.832842

cg046078							
67	chr19	55823827		-0.28826	-2.63911	0.009081	0.832713
			HHATL-				
cg251316			AS1;ZBTB47;ULK				
20	chr3	42976956	4;FAM198A	-0.36378	-2.62971	0.009326	0.832946
cg032386							
91	chr15	74597579	ISLR2	-0.29632	-2.64034	0.00905	0.832713
cg037024							
77	chr5	1.52E+08		-0.47812	-2.63899	0.009085	0.832713
cg032832							
35	chr12	1.3E+08	STX2;RIMBP2	-0.35501	-2.63418	0.009209	0.832713
cg023845							
43	chr19	58879857		0.665117	2.632788	0.009245	0.832713
cg071198							
55	chr12	70637224		0.197723	2.643433	0.008971	0.832713
cg170404							
71	chr21	19618088		0.443119	2.647978	0.008856	0.832713
cg116960							
28	chr8	11324448		-0.27597	-2.63594	0.009163	0.832713
cg147863							
98	chr19	57831816		-0.1661	-2.63874	0.009091	0.832713
cg230545							
84	chr19	36822311		0.355357	2.632069	0.009264	0.832713
cg012879							
36	chr15	65197900	ANKDD1A	0.729018	2.626672	0.009406	0.833622
cg037874							
86	chr4	1E+08		-0.26885	-2.63861	0.009094	0.832713
cg144200							
00	chr13	54861089		-0.33692	-2.63027	0.009311	0.832906
cg032523							
40	chr4	83293766		-0.3774	-2.64033	0.00905	0.832713
cg250457							
85	chr10	1.22E+08		0.330553	2.643343	0.008973	0.832713
cg247267							
83	chr10	29759454		0.660024	2.629055	0.009343	0.833622
cg256184			ENSG000002722				
24	chr1	2989307	35;PRDM16	0.275027	2.6337	0.009222	0.832713
cg201000			ZNF649;ZNF808;				
22	chr19	52800241	FPR3	0.177616	2.638428	0.009099	0.832713
cg014015							
34	chr6	4079342		0.31717	2.636068	0.00916	0.832713
cg273659							
78	chr10	1.06E+08		0.293275	2.633149	0.009236	0.832713
cg069744							
83	chr4	1.24E+08		0.295538	2.637035	0.009135	0.832713

cg011978							
91	chr4	57843787		-0.1673	-2.64134	0.009024	0.832713
cg095448							
92	chr17	79387725		-0.3009	-2.64127	0.009026	0.832713
			CD59;CD44;LMO				
			2;ENSG0000018				
			4566;ENSG0000				
			0251194;ELF5;C				
			AT;ABTB2;PAMR				
cg014738							
16	chr11	34535281	1	0.491673	2.641187	0.009028	0.832713
cg052011							
45	chr12	259373		0.334274	2.637802	0.009115	0.832713
cg175451							
46	chr20	62289982		0.209004	2.634858	0.009191	0.832713
cg022596							
98	chr2	10953349	C2orf50	-0.26204	-2.63289	0.009243	0.832713
cg075819							
22	chr16	3086538		-0.21098	-2.63506	0.009186	0.832713
cg068070							
30	chr12	1974814		0.397618	2.63762	0.00912	0.832713
cg125643							
49	chr6	14917221		-0.27768	-2.63151	0.009279	0.832713
cg223228							
34	chr12	50135138		-0.30581	-2.62985	0.009322	0.832906
cg256789							
29	chr17	1613581		-0.20131	-2.63657	0.009147	0.832713
cg185307							
66	chr14	96968737		-0.17295	-2.63941	0.009074	0.832713
cg106703							
10	chr12	1.13E+08		-0.24486	-2.6354	0.009177	0.832713
cg084375							
78	chr6	30313476		0.430034	2.632589	0.009251	0.832713
cg168656							
18	chr4	27123753		-0.30553	-2.63286	0.009243	0.832713
cg161260							
79	chr11	6518322		0.435804	2.633465	0.009228	0.832713
cg273126							
26	chr21	39627877		0.539836	2.63642	0.009151	0.832713
cg031359							
64	chr12	1.33E+08		-0.447	-2.6325	0.009253	0.832713
cg177961							
98	chr1	27228191		-0.33376	-2.63167	0.009274	0.832713
cg197213							
26	chr10	72610252		0.436902	2.632977	0.00924	0.832713
cg235486							
27	chr12	1.15E+08	TBX3	0.301457	2.635439	0.009176	0.832713

cg174643						
83	chr5	1.22E+08	-0.19207	-2.63455	0.009199	0.832713
cg207024						
19	chr5	1.51E+08	0.417504	2.629687	0.009327	0.832946
cg096402						
02	chr2	1.31E+08	0.318434	2.631884	0.009269	0.832713
cg009679						
01	chr10	92617915	-0.24014	-2.63603	0.009161	0.832713
cg211674						
93	chr5	10568922	-0.35008	-2.6317	0.009274	0.832713
cg157007						
39	chr12	54427700	0.290693	2.635942	0.009163	0.832713
cg261226						
26	chr6	1E+08	0.373745	2.635304	0.00918	0.832713
cg034814						
45	chr16	25119417	0.300111	2.632743	0.009246	0.832713
cg197168						
87	chr13	46785897	0.232749	2.632185	0.009261	0.832713
cg214519						
98	chr1	1.1E+08	0.353529	2.642764	0.008988	0.832713
cg003193						
34	chr11	2397523	-0.30604	-2.63467	0.009196	0.832713
cg051100						
71	chr15	42841310	-0.30318	-2.63264	0.009249	0.832713
cg259764						
40	chr4	69239481	0.444292	2.636927	0.009138	0.832713
cg244120						
06	chr12	1.1E+08	-0.33453	-2.63402	0.009213	0.832713
cg029873						
88	chr1	46089045	0.429776	2.628921	0.009347	0.833622
cg177195						
43	chr1	17594040 PADI2	-0.20573	-2.63551	0.009174	0.832713
cg018446						
42	chr3	51989764	0.199519	2.633502	0.009227	0.832713
cg146981						
54	chr5	96747223	-0.41752	-2.63995	0.00906	0.832713
cg104031						
61	chr10	93805870	0.317387	2.632748	0.009246	0.832713
cg039253						
61	chr11	1.32E+08	-0.27147	-2.63914	0.009081	0.832713
cg205137						
21	chr9	99417733	-0.2825	-2.63484	0.009192	0.832713
cg059094						
75	chr1	1.57E+08	-0.25793	-2.64076	0.009039	0.832713
cg057548						
19	chr10	79397944	-0.37054	-2.62834	0.009362	0.833622
cg228834						
72	chr8	25868045	0.3822	2.628574	0.009356	0.833622
cg199402						
25	chr8	1.45E+08 TSTA3;GPIHBP1	0.414555	2.624566	0.009462	0.834762



cg184563							
49	chr5	271681		0.145559	2.634555	0.009199	0.832713
cg247918							
62	chr7	1.27E+08		-0.26241	-2.6331	0.009237	0.832713
cg105566							
82	chr19	19007505		-0.33268	-2.62581	0.009429	0.834572
cg272347							
47	chr2	1.21E+08		-0.33945	-2.64382	0.008961	0.832713
cg077517							
70	chr16	1251787		-0.32984	-2.63271	0.009247	0.832713
cg234505							
09	chr3	1.32E+08		0.453105	2.631109	0.009289	0.832713
cg237422							
17	chr18	21853511		0.421696	2.628402	0.009361	0.833622
cg111340							
52	chr14	61119625	PRKCH	0.557366	2.630897	0.009295	0.832713
cg108363							
92	chr22	44258132	PARVG	0.630913	2.626969	0.009399	0.833622
cg149814							
32	chr11	61555930		0.338928	2.627849	0.009375	0.833622
cg077779			NPM2;DOK2;CC				
09	chr8	21909645	AR2	-0.46112	-2.63462	0.009198	0.832713
cg201687							
61	chr10	1.35E+08		-0.25615	-2.63459	0.009198	0.832713
cg087041							
54	chr17	13297839		0.638335	2.631838	0.00927	0.832713
cg155408							
20	chr3	27765283		0.331472	2.637062	0.009134	0.832713
cg108581							
96	chr11	1.19E+08		0.297999	2.630192	0.009313	0.832906
cg030482			TSNAXIP1;SMPD				
25	chr16	68767789	3;TANGO6;SNTB				
cg046450			2;RANBP10;ZFP9				
70	chr11	34393106	0;HAS3;NQO1;C				
cg217506			DH3;SLC12A4	0.470719	2.652358	0.008746	0.832433
08	chr13	33156685		-0.35113	-2.63327	0.009233	0.832713
cg259043							
72	chr11	70628970	CAPRIN1	0.291736	2.63444	0.009202	0.832713
cg196817							
93	chr6	1.7E+08	THBS2;SMOC2	0.324585	2.63499	0.009188	0.832713
cg056245							
10	chr15	41245527		0.305672	2.640214	0.009053	0.832713
cg056245							
10	chr15	41245527		0.181405	2.636111	0.009159	0.832713

cg002111							
10	chr12	51157716		-0.16812	-2.63539	0.009178	0.832713
cg181048							
70	chr5	1.77E+08	FGFR4	-0.30327	-2.62853	0.009357	0.833622
cg201328							
30	chr17	27055188	SDF2;RPS7P1	-0.2802	-2.62251	0.009517	0.835508
cg138240							
97	chr11	1827023	KCNQ1OT1	0.240523	2.637996	0.00911	0.832713
cg232276							
74	chr11	85438818	DLG2	-0.32084	-2.6294	0.009334	0.833274
cg231053							
38	chr8	1.43E+08		-0.23732	-2.62565	0.009434	0.834578
cg211284							
60	chr13	26795944		-0.3107	-2.62672	0.009405	0.833622
cg049234							
96	chr10	18940728		-0.22251	-2.63005	0.009317	0.832906
cg182255							
82	chr14	65171304		-0.27653	-2.63808	0.009108	0.832713
cg082151							
69	chr13	1.12E+08		-0.37008	-2.62992	0.00932	0.832906
cg230608							
72	chr2	71205685		0.239728	2.630143	0.009315	0.832906
cg093130							
89	chr17	16252642		-0.29547	-2.63062	0.009302	0.832842
cg047803							
93	chr17	41463580		-0.23677	-2.63193	0.009268	0.832713
cg053523							
21	chr10	1.05E+08		-0.25233	-2.62706	0.009396	0.833622
cg087982							
44	chr10	1.01E+08		0.333388	2.631173	0.009288	0.832713
cg081311							
00	chr7	1.49E+08	ACTR3C	0.334757	2.630956	0.009293	0.832713
cg155490							
75	chr2	46098874		-0.23366	-2.63588	0.009165	0.832713
cg216792							
94	chr11	1.02E+08		0.206804	2.627231	0.009392	0.833622
cg116913							
83	chr15	26121310		-0.37601	-2.63673	0.009143	0.832713
cg154854							
96	chr19	51775111		-0.28221	-2.62358	0.009489	0.834762
ch.12.213							
0406F	chr12	1.08E+08		0.372605	2.623699	0.009486	0.834762
cg242406							
26	chr2	79386720		-0.44554	-2.6276	0.009382	0.833622
cg096008							
29	chr9	96216052		-0.22785	-2.63564	0.009171	0.832713
cg191837							
43	chr7	27188020	SNX10	0.252089	2.62785	0.009375	0.833622
cg127915							
55	chr15	75118714		0.375409	2.626766	0.009404	0.833622

cg226827							
24	chr1	5922731	0.260294	2.634666	0.009196	0.832713	
cg263630							
65	chr4	6643156	-0.1888	-2.63119	0.009287	0.832713	
cg245850							
00	chr1	6117011 THAP3	-0.25608	-2.62699	0.009398	0.833622	
cg202568							
20	chr3	1.38E+08	-0.33403	-2.62634	0.009415	0.833875	
cg078345							
10	chr2	99004292	-0.31613	-2.62712	0.009394	0.833622	
cg000175							
46	chr1	28659475 SNHG3	-0.33043	-2.62711	0.009395	0.833622	
cg121662							
22	chr17	77785792	-0.32917	-2.63266	0.009249	0.832713	
cg248856							
50	chr10	11069298	-0.32566	-2.62823	0.009365	0.833622	
cg080430							
42	chr22	29601772	0.224934	2.63311	0.009237	0.832713	
cg197831							
50	chr12	22491533	0.345111	2.632254	0.009259	0.832713	
cg154914							
32	chr4	26585218	0.412091	2.635553	0.009173	0.832713	
cg130168							
51	chr7	56295392 CHCHD2	-0.42152	-2.63399	0.009214	0.832713	
cg241299							
77	chr2	1748872	0.289421	2.626967	0.009399	0.833622	
cg005920							
58	chr6	40996075 USP49	-0.19204	-2.63606	0.00916	0.832713	
cg252015							
11	chr5	2757137 MRPL36	0.564477	2.630316	0.00931	0.832906	
cg039217							
53	chr16	28074670	0.309762	2.630173	0.009314	0.832906	
cg061385							
68	chr12	6981798	-0.18996	-2.62416	0.009473	0.834762	
cg254762							
21	chr12	1.12E+08	-0.1651	-2.63327	0.009233	0.832713	
cg127566							
86	chr19	29218302	-1.14553	-2.61912	0.009609	0.836078	
cg097990							
39	chr2	2.4E+08	-0.63055	-2.62804	0.00937	0.833622	
cg079779							
33	chr10	93300762	-0.43095	-2.62505	0.00945	0.834762	
cg210758							
29	chr3	1.38E+08	0.200878	2.633005	0.00924	0.832713	
cg019576							
29	chr11	63613490	0.2467	2.624425	0.009466	0.834762	
cg027197							
52	chr3	62861245	0.348617	2.62317	0.0095	0.834762	
cg186831							
32	chr17	41466563	-0.33188	-2.62129	0.00955	0.835515	

cg234812							
43	chr6	30112493		0.380652	2.625542	0.009436	0.834578
cg248158							
42	chr10	87839368	MMRN2	-0.35091	-2.62995	0.00932	0.832906
cg218474							
05	chr1	2.03E+08		-0.25589	-2.63169	0.009274	0.832713
cg213250							
40	chr11	1.14E+08		0.387179	2.62727	0.009391	0.833622
cg126703							
47	chr12	1.15E+08		0.357697	2.626931	0.0094	0.833622
cg160882							
77	chr10	7708986		-0.20308	-2.62014	0.009581	0.835974
cg037188							
83	chr11	2098414	NAP1L4	-0.40389	-2.63649	0.009149	0.832713
cg125865							
94	chr19	54372709		-0.1955	-2.62865	0.009354	0.833622
cg112711							
29	chr2	23865593		-0.29076	-2.62852	0.009358	0.833622
cg019260							
66	chr11	22647397		-0.21454	-2.62404	0.009476	0.834762
cg232373							
39	chr1	1.71E+08		-0.27294	-2.6344	0.009203	0.832713

			ENSG000002187				
cg224428			93;ENSG000002				
41	chr6	87646804	16324	0.376665	2.626726	0.009405	0.833622

			ITGA5;ATF7;MU				
cg012132							
31	chr12	54806218	CL1	-0.32363	-2.63065	0.009301	0.832842
cg016655							
50	chr19	34850575		-0.34015	-2.62586	0.009428	0.834572
cg024876							
54	chr7	1.3E+08		0.141615	2.632207	0.009261	0.832713
cg173326							
03	chr4	7326576	PPP2R2C	-0.4054	-2.63091	0.009295	0.832713

			ERBB2;LRRC37A				
cg042674							
00	chr17	37754160	11P	0.368404	2.624444	0.009466	0.834762
cg118478							
05	chr12	1.09E+08		-0.462	-2.62575	0.009431	0.834572
cg105373							
28	chr15	65054892		0.251677	2.632828	0.009244	0.832713
cg042766							
69	chr4	26319867		0.291202	2.625778	0.00943	0.834572
cg148332							
83	chr7	1327102		-0.3002	-2.62553	0.009437	0.834578
cg088611							
27	chr11	44587057		0.304672	2.626527	0.00941	0.833711

cg163707							
20	chr6	1.09E+08		0.284867	2.621536	0.009544	0.835515
cg152951							
66	chr21	36040771		-0.30205	-2.6296	0.009329	0.832973
cg126315							
17	chr17	15644575		-0.22465	-2.62356	0.009489	0.834762
cg023915							
26	chr22	37658878		-0.25765	-2.63274	0.009247	0.832713
cg054972							
53	chr5	77830465		0.330641	2.622658	0.009513	0.835489
cg084190							
26	chr8	70747067		-0.25464	-2.62784	0.009375	0.833622
cg170737			XKR4;SOX17;SBF				
08	chr8	55374489	1P1	-0.37013	-2.63219	0.009261	0.832713
cg190050							
77	chr15	60920993		-0.28267	-2.63213	0.009263	0.832713
cg082510							
37	chr7	70597778		0.293271	2.61939	0.009602	0.836078
cg220561							
02	chr5	1.41E+08		0.42813	2.623473	0.009492	0.834762
cg146525							
87	chr17	75692571	TMC8	-0.32874	-2.62435	0.009468	0.834762
cg226638							
72	chr7	1.49E+08		0.357635	2.627469	0.009385	0.833622
cg134615							
09	chr1	53387576		-0.27618	-2.63054	0.009304	0.832853
cg147101							
65	chr8	1.26E+08		0.260945	2.624059	0.009476	0.834762
cg241259							
10	chr17	20846889		0.415077	2.628589	0.009356	0.833622
cg217759							
79	chr11	780331		-0.28838	-2.62183	0.009536	0.835515
cg159566							
62	chr2	2.32E+08		0.510414	2.636931	0.009138	0.832713
cg125019							
57	chr12	62629234		-0.25274	-2.6311	0.00929	0.832713
cg140981							
53	chr5	72533169		-0.33364	-2.62483	0.009455	0.834762
cg195776							
97	chr2	2.32E+08		-0.27983	-2.63258	0.009251	0.832713
cg100381							
68	chr12	1.24E+08		-0.43345	-2.62682	0.009403	0.833622
cg078270							
08	chr12	1.33E+08		0.225081	2.623892	0.00948	0.834762
cg207643							
58	chr17	800100	NXN	0.483696	2.62124	0.009552	0.835515
cg066513							
11	chr4	37246230		0.484559	2.618083	0.009637	0.836078

cg080306							
33	chr19	54244410		-0.23581	-2.62414	0.009474	0.834762
cg001697							
25	chr5	1.77E+08		0.29729	2.632861	0.009243	0.832713
cg168409							
78	chr8	37753555		-0.34483	-2.62354	0.00949	0.834762
cg212153							
25	chr15	35178803		0.365214	2.623525	0.00949	0.834762
cg113086							
43	chr11	1.05E+08		0.42197	2.627156	0.009394	0.833622

			LDLRAD1;HSPB1 1;DIO1;ENSG000 00197015;TCEA NC2;ENSG00000				
cg109624							
90	chr1	54072456	237611;LRP8	0.310278	2.636935	0.009138	0.832713
cg043135							
65	chr16	17561865		0.323158	2.620384	0.009575	0.835974
cg229884			ENSG000002357				
30	chr15	25490537	31	-0.20402	-2.61721	0.009661	0.836078
cg133031							
79	chr3	46759335		0.441104	2.628057	0.00937	0.833622
cg161728							
37	chr1	21059639	ALPL	0.243816	2.620959	0.009559	0.835722

			WBP1L;SH3PXD2 A;CNNM2;NT5C				
cg096719							
51	chr10	1.05E+08	2	0.41532	2.623781	0.009483	0.834762
cg007331							
90	chr7	1.35E+08		-0.22176	-2.62649	0.009411	0.833711
cg173939							
17	chr12	1.07E+08		-0.40366	-2.62419	0.009473	0.834762
cg261581							
94	chr11	1874320	LSP1;IGF2	-0.75984	-2.62211	0.009528	0.835515

			ZNF471;ZNF418; ZNF135;ZNF549; ZNF211;PEG3;ZN F667;ZNF542;ZIK				
cg227598							
23	chr19	57610870	1;ZNF667-AS1	0.411496	2.621756	0.009538	0.835515
cg006639							
72	chr13	1.13E+08		0.385282	2.620991	0.009558	0.835722

cg015580							
37	chr8	10772570		-0.28711	-2.62145	0.009546	0.835515
cg025400							
26	chr2	69532619		-0.26881	-2.61668	0.009675	0.836078
cg148789							
88	chr2	2.41E+08		-0.20845	-2.62699	0.009398	0.833622
cg071735							
47	chr11	18727949		0.373764	2.62126	0.009551	0.835515
cg145120							
08	chr14	1.02E+08		-0.35045	-2.62391	0.00948	0.834762
cg013645			GIMAP5;GIMAP				
81	chr7	1.5E+08	7;GIMAP2	-0.37378	-2.62061	0.009569	0.835892
cg144787							
68	chr19	1083429		-0.25916	-2.6189	0.009615	0.836078
cg220432							
96	chr11	1892139	LSP1	0.378468	2.615942	0.009695	0.836078
ch.4.9715							
0F	chr4	2368003		0.430734	2.617959	0.00964	0.836078
cg085571							
79	chr10	13714674		-0.73637	-2.61844	0.009627	0.836078
cg132655							
83	chr10	1.24E+08		-0.38185	-2.61889	0.009615	0.836078
cg077003							
69	chr11	46299268		-0.17978	-2.62149	0.009545	0.835515
cg085829							
57	chr5	1468972		-0.30964	-2.61356	0.00976	0.836078
cg078968							
55	chr1	2.12E+08		0.252012	2.620323	0.009576	0.835974
cg243834							
80	chr3	47466266		0.376802	2.614561	0.009733	0.836078
cg172795							
51	chr5	1.4E+08		-0.21271	-2.62319	0.009499	0.834762
cg038430							
00	chr12	1.15E+08		0.358199	2.619604	0.009596	0.836078
cg130461							
64	chr2	99224758		-0.21266	-2.62206	0.009529	0.835515
cg249402							
48	chr11	1.19E+08		0.243116	2.631408	0.009281	0.832713
cg110290							
53	chr11	8008725		-0.27341	-2.61632	0.009685	0.836078
cg137095							
61	chr8	27781943		-0.28378	-2.6196	0.009596	0.836078
cg043636							
33	chr6	46655453		0.378631	2.619424	0.009601	0.836078
cg012913							
98	chr8	1830682	ARHGEF10	-0.32715	-2.62208	0.009529	0.835515
cg227462							
56	chr10	64576222		-0.21359	-2.62119	0.009553	0.835515

cg231818							
61	chr19	17970707		-0.19752	-2.62124	0.009552	0.835515
cg260887							
59	chr11	1.23E+08		0.287848	2.617404	0.009655	0.836078
cg244161							
90	chr4	1.86E+08		-0.3012	-2.61259	0.009787	0.836078
cg143548							
06	chr10	14817327		0.348681	2.624078	0.009475	0.834762
cg000669							
25	chr12	48921980		0.361185	2.624927	0.009453	0.834762
cg141663							
77	chr9	1.03E+08		0.324716	2.623127	0.009501	0.834762
cg069095							
03	chr1	1.65E+08		0.304964	2.619292	0.009604	0.836078
cg230946							
65	chr5	59559062		-0.34351	-2.62225	0.009524	0.835515
cg135839							
11	chr6	30614788		-0.1782	-2.62303	0.009504	0.834786
cg051889							
48	chr11	93754288 HEPHL1		0.33989	2.620138	0.009581	0.835974
cg137335							
45	chr12	7858664		0.498304	2.611506	0.009817	0.836078
cg178931							
08	chr7	1057944		0.218821	2.618445	0.009627	0.836078
cg114466							
51	chr17	27407276		0.373509	2.620677	0.009567	0.835892
cg032339							
40	chr19	37894644		0.693194	2.615528	0.009706	0.836078
cg250134							
43	chr11	1.07E+08		0.454835	2.620684	0.009567	0.835892
cg249874							
40	chr7	1.16E+08		-0.30013	-2.62013	0.009582	0.835974
cg088404							
41	chr19	19748461 LINC00663		0.577549	2.617219	0.00966	0.836078
cg238095							
97	chr2	68646210 GFPT1		-0.35462	-2.61781	0.009644	0.836078
cg158084							
26	chr19	57154302 ZIK1		0.416658	2.621715	0.009539	0.835515
cg012934							
85	chr3	42847044		0.280092	2.619313	0.009604	0.836078
cg167208							
90	chr2	2.43E+08		-0.30378	-2.61804	0.009638	0.836078
cg064403							
48	chr4	81111527 PRDM8		0.462884	2.611527	0.009816	0.836078

			CTSS;SV2A;MTM				
cg163862			R11;TNFAIP8L2;F				
93	chr1	1.5E+08	CGR1A;ECM1	-0.28554	-2.61461	0.009732	0.836078



cg131650							
70	chr11	2154113	BRXK2	-0.3261	-2.61408	0.009746	0.836078
cg091728							
50	chr1	1.92E+08		0.423851	2.611172	0.009826	0.836078
cg167911							
86	chr15	67134971		-0.21062	-2.62311	0.009501	0.834762
cg167638							
85	chr11	1.32E+08		-0.60857	-2.6161	0.009691	0.836078
cg210010							
08	chr6	31368503	TNKB	-0.17324	-2.62052	0.009571	0.835892
cg196569							
74	chr2	66653415		0.436094	2.623203	0.009499	0.834762

			ENSG000002249				
cg136638			92;SURF4;RNU6				
61	chr9	1.36E+08	ATAC	0.324822	2.611772	0.009809	0.836078
cg188663							
56	chr1	1.8E+08		0.290795	2.613739	0.009755	0.836078
cg201224							
88	chr17	17396436		-0.31784	-2.61908	0.00961	0.836078
cg105391							
22	chr1	2.02E+08		-0.23634	-2.61257	0.009787	0.836078
cg266739							
80	chr7	1.51E+08	SMARCD3	-0.54214	-2.61255	0.009788	0.836078
cg050544							
38	chr12	1.12E+08		-0.24504	-2.61623	0.009687	0.836078
cg204078							
34	chr10	1.3E+08		-0.38254	-2.61463	0.009731	0.836078
cg245435							
44	chr7	939202		-0.32275	-2.62355	0.00949	0.834762
cg084518							
70	chr12	57398787		0.234463	2.612353	0.009793	0.836078
cg020489							
22	chr8	1.44E+08		-0.60923	-2.61734	0.009657	0.836078
cg156672							
99	chr19	420332		0.338486	2.622505	0.009518	0.835508
cg160105							
96	chr6	33739607	RPS18	0.315936	2.616843	0.009671	0.836078
cg129857							
73	chr11	17035411		-0.20629	-2.61544	0.009709	0.836078
cg134916							
90	chr11	1.34E+08		-0.18611	-2.61747	0.009654	0.836078
cg017410							
38	chr12	18414933	PLEKHA5	0.53013	2.61881	0.009617	0.836078
cg059505							
70	chr7	1.32E+08		0.488679	2.616744	0.009673	0.836078
cg146532							
25	chr1	2.28E+08		-0.36471	-2.63146	0.00928	0.832713

cg130553							
74	chr1	54872983	-0.29212	-2.62164	0.009541	0.835515	
cg240017							
28	chr11	61058953	-0.27331	-2.6119	0.009806	0.836078	
cg172896							
92	chr3	1.34E+08 TF	0.416948	2.617292	0.009658	0.836078	
cg040980							
51	chr2	1.55E+08	-0.39851	-2.61009	0.009856	0.836078	
cg219381							
23	chr13	52733373	0.200261	2.621708	0.009539	0.835515	
cg109811							
11	chr1	19733465	-0.25912	-2.61748	0.009653	0.836078	
cg253754							
20	chr6	36009601	0.390495	2.614572	0.009733	0.836078	
cg034639							
90	chr15	74534692	-0.28026	-2.62429	0.00947	0.834762	
cg013216							
73	chr22	50438363	0.294578	2.608018	0.009913	0.836078	
cg095076							
97	chr7	1.3E+08	-0.30563	-2.60886	0.00989	0.836078	
cg267452							
94	chr16	1071049	-0.29124	-2.61177	0.009809	0.836078	
cg080703							
27	chr7	27184059	0.414865	2.606779	0.009948	0.836078	
cg163104							
15	chr8	25898539	0.407053	2.616065	0.009692	0.836078	
cg243488							
23	chr19	5680464	0.187839	2.611569	0.009815	0.836078	
cg017584							
94	chr17	47954094	-0.23578	-2.61319	0.00977	0.836078	
cg185410							
87	chr19	3293448	-0.42498	-2.61311	0.009773	0.836078	
cg138776							
70	chr15	53083532 FAM214A	0.352492	2.628534	0.009357	0.833622	
cg241441							
75	chr6	30582908	0.452735	2.624692	0.009459	0.834762	
cg022466							
09	chr6	28584003 ZSCAN12	0.420041	2.615235	0.009714	0.836078	
cg215936							
76	chr4	88142277	0.465195	2.614343	0.009739	0.836078	
cg266555							
17	chr19	54518382	0.787527	2.609057	0.009885	0.836078	
cg007077							
39	chr3	23848132	-0.18154	-2.60751	0.009928	0.836078	
cg101880							
48	chr19	18272037	-0.19754	-2.61733	0.009657	0.836078	
cg269950							
83	chr6	43457511 NFKBIE;POLR1C; GLTSCR1L	-0.29602	-2.61476	0.009727	0.836078	

cg246622							
43	chr6	32088661		-0.27724	-2.62366	0.009487	0.834762
cg079905							
46	chr2	74742309	DUSP11	0.332412	2.613602	0.009759	0.836078
cg234830							
81	chr18	74173903		-0.32119	-2.61017	0.009854	0.836078
cg184388							
23	chr11	4676365		-0.34557	-2.61245	0.009791	0.836078
cg234930							
31	chr14	36988854		0.233746	2.614268	0.009741	0.836078
cg246940							
18	chr1	1.45E+08		-0.16922	-2.61539	0.00971	0.836078
cg135714							
79	chr7	2077345	GNA12	0.339354	2.620568	0.00957	0.835892
cg010283							
89	chr16	87079265		-0.30227	-2.61313	0.009772	0.836078
cg171990							
07	chr6	1.46E+08		0.295811	2.609765	0.009865	0.836078
cg207588							
34	chr4	1.14E+08		-0.47344	-2.61222	0.009797	0.836078
cg133981							
92	chr13	1.09E+08		0.462108	2.616143	0.00969	0.836078
cg127647							
04	chr1	2.33E+08		0.209599	2.615675	0.009702	0.836078
cg126937							
02	chr7	25990679		-0.20122	-2.61591	0.009696	0.836078
cg107545							
96	chr22	31198955		-0.17081	-2.61323	0.009769	0.836078
cg185966							
16	chr5	173191	PLEKHG4B	-0.32994	-2.61671	0.009674	0.836078
cg098588							
62	chr1	23887514	ID3	-0.43221	-2.61065	0.00984	0.836078

			ENSG000002620				
			03;ENSG000002				
cg018812			28133;FAM57A;				
65	chr17	934534	SCARF1;NXN	0.277695	2.615018	0.00972	0.836078
cg059703							
14	chr20	4741645		0.275553	2.613658	0.009758	0.836078
cg151595							
88	chr17	26672798		0.221232	2.609956	0.00986	0.836078
cg262015							
96	chr10	766041	ADARB2	-0.46834	-2.60941	0.009875	0.836078
cg154682							
43	chr14	1.05E+08		-0.20693	-2.61283	0.00978	0.836078
cg223994							
23	chr1	1.69E+08		-0.18384	-2.61281	0.009781	0.836078

cg231876							
53	chr5	95769008		0.473588	2.610693	0.009839	0.836078
cg128480							
65	chr2	2.08E+08		0.338741	2.61017	0.009854	0.836078
cg217039							
88	chr12	1.33E+08		0.308085	2.60847	0.009901	0.836078
cg068662							
08	chr16	67560245		-0.16811	-2.61202	0.009803	0.836078
ch.1.1254							
747R	chr1	39934760		0.24625	2.608926	0.009888	0.836078
cg005247							
06	chr12	1.33E+08		-0.43146	-2.60559	0.009981	0.836078
cg001929							
66	chr5	1.68E+08 SLIT3		0.339779	2.627322	0.009389	0.833622
cg053437							
99	chr11	35843508		-0.28446	-2.60931	0.009878	0.836078
cg251098							
73	chr17	1796814		0.331068	2.614382	0.009738	0.836078
cg063740							
79	chr6	27182908		0.357346	2.609631	0.009869	0.836078
cg062661							
89	chr2	2.34E+08		0.400599	2.611915	0.009806	0.836078
cg012966							
82	chr20	5891730		-0.31801	-2.6131	0.009773	0.836078
cg155779							
27	chr20	13201328		-0.30116	-2.61872	0.00962	0.836078
cg214383							
82	chr7	20825862		0.329792	2.616655	0.009676	0.836078
cg061033							
97	chr10	77542585		0.39646	2.607712	0.009922	0.836078
cg149342		JAK3;FCHO1;IL12					
42	chr19	17953774 RB1;MYO9B		0.293804	2.60998	0.009859	0.836078
cg018542							
28	chr7	29690023		-0.32341	-2.61158	0.009815	0.836078
cg013604							
13	chr17	72321949 SLC9A3R1		0.310086	2.60686	0.009946	0.836078
cg235569							
23	chr17	62774590		0.276481	2.611231	0.009824	0.836078
cg038545							
98	chr22	43831005		0.357915	2.611317	0.009822	0.836078
cg063625							
43	chr20	42135794		0.307575	2.608162	0.009909	0.836078
cg122454							
38	chr18	3012994		0.190434	2.619919	0.009587	0.836078
cg000305							
88	chr16	87100811 SLC7A5		-0.29559	-2.61638	0.009683	0.836078
cg266934							
67	chr10	1.19E+08		-0.2245	-2.61456	0.009733	0.836078

cg141757							
71	chr1	50490706		0.359305	2.611635	0.009813	0.836078
cg222776							
36	chr2	2.19E+08		0.35354	2.616122	0.00969	0.836078
cg233487							
89	chr17	28092503		0.395335	2.621557	0.009543	0.835515
cg193324							
52	chr19	12936719 CACNA1A		0.225384	2.606768	0.009948	0.836078
cg178293							
14	chr1	38274017		-0.31268	-2.6183	0.009631	0.836078
cg135861							
60	chr15	25445634		-0.26358	-2.60591	0.009972	0.836078
cg097568							
65	chr1	63249197		0.385543	2.612374	0.009793	0.836078
cg072786							
24	chr12	1.07E+08		0.351844	2.610855	0.009835	0.836078
cg236681							
84	chr2	5836713		0.784396	2.607449	0.009929	0.836078
cg243728							
29	chr4	1.55E+08		0.215158	2.612384	0.009793	0.836078
cg120891							
87	chr10	12241348		0.454144	2.607143	0.009938	0.836078
cg169911							
68	chr15	47700931		0.421415	2.614915	0.009723	0.836078
cg099489		ENSG000002253					
09	chr6	1.44E+08 11		0.252028	2.613016	0.009775	0.836078
cg157327							
68	chr7	96651537		0.297056	2.611893	0.009806	0.836078
cg133321							
72	chr19	37178884		-0.22917	-2.60761	0.009925	0.836078
cg149729							
67	chr2	2.41E+08		-0.16654	-2.62484	0.009455	0.834762
cg254061							
38	chr4	1.48E+08		0.403793	2.60732	0.009933	0.836078
cg139765							
44	chr7	1.57E+08		-0.39589	-2.60663	0.009952	0.836078
cg231228							
99	chr7	5269290		0.265491	2.607352	0.009932	0.836078
cg255112							
37	chr20	57978889		0.228454	2.607214	0.009936	0.836078
cg041572							
63	chr17	37752991 PIP4K2B		0.279456	2.608782	0.009892	0.836078
cg101069							
35	chr7	4762236		-0.33628	-2.60934	0.009877	0.836078
cg240533							
75	chr10	48392130		0.254854	2.606747	0.009949	0.836078
cg075989							
52	chr6	1.42E+08		0.36586	2.611936	0.009805	0.836078
cg075567							
30	chr11	679706		0.247845	2.611548	0.009816	0.836078

cg017599							
09	chr17	76264540	-0.32517	-2.61708	0.009664	0.836078	
cg174314							
01	chr7	23511004	0.236059	2.615063	0.009719	0.836078	
cg116292							
32	chr19	56187145	-0.35117	-2.60642	0.009958	0.836078	
cg088580							
51	chr1	94313454	0.289125	2.607196	0.009936	0.836078	
cg206363							
52	chr2	2E+08	0.472582	2.607874	0.009917	0.836078	
cg232919							
00	chr1	2.23E+08	0.289991	2.617763	0.009646	0.836078	
ch.5.2345							
2154R	chr5	23416397	-0.54579	-2.60793	0.009916	0.836078	
cg144275							
63	chr14	1.02E+08	-0.3048	-2.60467	0.010007	0.836215	
cg169421							
90	chr10	32667705	0.379588	2.609251	0.009879	0.836078	
cg125784							
80	chr10	23384902	-0.28304	-2.60662	0.009952	0.836078	
cg156727							
68	chr5	1.41E+08	0.558159	2.603681	0.010035	0.836786	
cg053435							
12	chr11	55736968	-0.40571	-2.60844	0.009902	0.836078	
cg157694							
86	chr2	85132558	0.2044	2.609695	0.009867	0.836078	
cg012076							
23	chr12	58334833	-0.30878	-2.61439	0.009738	0.836078	
cg199571							
19	chr10	1.03E+08	0.252813	2.607648	0.009924	0.836078	
cg115180							
20	chr1	25559545	0.355834	2.604343	0.010016	0.836221	
cg057433							
46	chr7	71800987	0.472723	2.604143	0.010022	0.836221	
cg263772							
96	chr19	4670382	-0.19874	-2.60687	0.009946	0.836078	
cg121082							
65	chr10	1.35E+08	-0.30305	-2.60802	0.009913	0.836078	
cg072110							
20	chr4	8396502	-0.30068	-2.60321	0.010048	0.836839	
cg074678							
54	chr3	1.84E+08	0.35256	2.616805	0.009672	0.836078	
cg211865							
76	chr17	79466077	0.619689	2.601022	0.01011	0.837443	
cg022442							
88	chr16	89573955	0.335659	2.60002	0.010138	0.837443	
cg006392							
00	chr17	41081377	-0.44306	-2.61266	0.009785	0.836078	

YEATS2;ENSG00

000272970

cg035827							
36	chr1	95586852		-0.31442	-2.60483	0.010003	0.836215
cg064896							
68	chr3	52031194		0.371534	2.607277	0.009934	0.836078
cg240803							
13	chr3	55522631		-0.2386	-2.60681	0.009947	0.836078
cg036564							
59	chr7	1.24E+08		-0.3828	-2.60551	0.009983	0.836078
cg182996							
70	chr6	1.62E+08		0.280554	2.613709	0.009756	0.836078
cg119636							
76	chr1	76540110		-0.31351	-2.60613	0.009966	0.836078
cg070948			NFE2L3;HOXA5;				
47	chr7	27160586	HOXA-AS2	0.435128	2.609055	0.009885	0.836078
cg023691							
93	chr19	11587407		0.211146	2.60098	0.010111	0.837443
cg235518							
59	chr12	51632676		0.208704	2.606046	0.009968	0.836078
cg012971			IKZF3;ENSG0000				
01	chr17	37356023	0264198	-0.24967	-2.61093	0.009833	0.836078
cg196990							
88	chr1	15930386	RNU1-1	0.275481	2.606195	0.009964	0.836078
cg057303							
68	chr6	42146052		0.256478	2.609548	0.009871	0.836078
cg050217							
98	chr17	54670228		-0.22274	-2.61324	0.009769	0.836078
cg017853							
39	chr1	2.25E+08		-0.25966	-2.60865	0.009896	0.836078
cg164286			RNF166;CBFA2T				
12	chr16	89573535	3;PIEZO1	0.534635	2.603406	0.010043	0.836839
cg122043							
62	chr12	98910117		0.174053	2.605743	0.009977	0.836078
cg149719							
98	chr5	1.39E+08		0.302351	2.607133	0.009938	0.836078
cg114329							
43	chr11	1.23E+08		-0.20884	-2.61408	0.009746	0.836078
cg119669							
98	chr11	15692519		0.534345	2.599703	0.010147	0.837443
cg059814							
06	chr8	1.43E+08		0.322032	2.607475	0.009929	0.836078
cg217495							
56	chr7	51680555		-0.31136	-2.60339	0.010043	0.836839
cg123829							
02	chr12	4383699		-0.30876	-2.60503	0.009997	0.836078
cg106110							
16	chr11	6225759		-0.39734	-2.60932	0.009877	0.836078

cg108425							
57	chr8	72824512		-0.31922	-2.60177	0.010089	0.837443
cg232707							
57	chr6	29427699		0.313296	2.610554	0.009843	0.836078
cg110148							
10	chr10	1.06E+08	CALHM2	-0.41755	-2.60508	0.009995	0.836078
cg165191							
18	chr5	78531582		0.214113	2.608382	0.009903	0.836078
cg258759							
08	chr15	93442302		0.376621	2.604716	0.010006	0.836215
cg107244							
90	chr7	6523886		-0.1544	-2.61152	0.009816	0.836078
cg232896							
15	chr18	55297793		-0.21925	-2.60691	0.009944	0.836078
cg034409							
44	chr7	45023329		-0.22776	-2.59989	0.010142	0.837443
cg105359							
33	chr15	52821418		-0.21224	-2.60542	0.009986	0.836078
cg240304							
25	chr7	92157488		0.335146	2.596826	0.010229	0.837443
cg255516							
22	chr17	65052432		-0.24635	-2.60588	0.009973	0.836078
cg038497							
55	chr16	595548		-0.21708	-2.60505	0.009996	0.836078
cg053084							
24	chr7	4800594		-0.24472	-2.60582	0.009975	0.836078
cg044872							
96	chr7	1.49E+08		0.432749	2.610592	0.009842	0.836078
cg001690							
19	chr6	32056438		-0.28602	-2.60404	0.010025	0.836221
cg166557							
91	chr6	1.06E+08		0.311824	2.606159	0.009965	0.836078
cg215332							
62	chr7	1.07E+08		0.456342	2.599722	0.010147	0.837443
cg191543							
23	chr2	2.09E+08		0.398491	2.60467	0.010007	0.836215
cg006925							
49	chr1	11072455		-0.36937	-2.60095	0.010112	0.837443
cg008055							
77	chr12	1.23E+08		0.308333	2.605399	0.009987	0.836078
			GNA15;ZNF57;G				
			NG7;LMNB2;GIP				
cg092800							
70	chr19	3112648	C3	-0.44165	-2.60501	0.009997	0.836078
cg137095							
29	chr6	54001895		-0.40515	-2.60689	0.009945	0.836078
cg175311							
42	chr8	1.29E+08		0.725377	2.619602	0.009596	0.836078
cg180066							
26	chr2	27488188		0.234509	2.606954	0.009943	0.836078



cg166408							
55	chr2	1.83E+08		0.449535	2.601027	0.01011	0.837443
cg041639							
16	chr19	4724653		-0.3308	-2.60051	0.010124	0.837443
cg064909							
43	chr7	56184217		0.246763	2.605852	0.009974	0.836078
cg189922							
01	chr3	1.09E+08		0.436171	2.604474	0.010013	0.836215
cg141901							
75	chr8	1.42E+08		-0.21248	-2.60305	0.010053	0.836839
cg218345							
12	chr18	6920190		-0.49491	-2.60567	0.009979	0.836078
ch.15.427							
045F	chr15	41584933		0.430307	2.606854	0.009946	0.836078
cg024922							
79	chr10	70805603		-0.92819	-2.60032	0.01013	0.837443
cg044469							
92	chr8	11550094		-0.25407	-2.59978	0.010145	0.837443
cg052875							
29	chr10	1.01E+08		-0.27068	-2.59699	0.010225	0.837443
cg232061							
03	chr10	1.16E+08		-0.20403	-2.61462	0.009731	0.836078

			FAM92B;C16orf				
			74;FOXF1;FENDR				
			R;MTHFSD;USP1				
cg072985							
47	chr16	85585356	0	0.434578	2.616867	0.00967	0.836078
cg036658							
18	chr16	54724064		-0.39495	-2.59873	0.010175	0.837443
cg209350							
25	chr14	35874013		-0.29209	-2.60805	0.009913	0.836078
cg238994							
24	chr20	60456296		-0.2337	-2.60649	0.009956	0.836078
cg008529							
21	chr20	62120544		0.455803	2.607701	0.009922	0.836078
cg232043							
45	chr6	1.09E+08		-0.16147	-2.60062	0.010121	0.837443
cg073137							
05	chr5	1.81E+08		0.492602	2.605427	0.009986	0.836078
cg149852							
31	chr22	21271315		0.2305	2.617978	0.00964	0.836078
cg256492							
00	chr17	79233120		-0.28761	-2.60306	0.010052	0.836839
cg229093							
33	chr10	1.29E+08		-0.35253	-2.60872	0.009894	0.836078
cg253542							
06	chr7	1.58E+08		-0.36705	-2.59896	0.010168	0.837443
cg037057							
84	chr11	95888212	MAML2	0.408764	2.602494	0.010068	0.837443

cg060381							
80	chr17	7258337		-0.23941	-2.59691	0.010227	0.837443
cg030887							
25	chr19	9270837		0.310434	2.601694	0.010091	0.837443
cg095392							
39	chr16	1555698		-0.32138	-2.59761	0.010207	0.837443
cg183709							
79	chr5	93411837		0.42799	2.605232	0.009991	0.836078
cg033832							
50	chr1	47972688		-0.20851	-2.60409	0.010023	0.836221
cg150874							
01	chr12	50100809		0.225069	2.606659	0.009951	0.836078
cg054699							
16	chr7	1.58E+08	LINC00689	-0.21804	-2.59994	0.010141	0.837443
cg175025							
36	chr1	17531015	PADI1;PADI2	-0.46055	-2.59717	0.01022	0.837443
cg262830							
08	chr15	45507820		0.24666	2.610845	0.009835	0.836078
cg097976							
45	chr10	35415606		-0.19867	-2.5968	0.01023	0.837443
cg270501							
11	chr16	8738240		-0.35295	-2.60866	0.009896	0.836078
cg225602							
14	chr4	13531213		0.230318	2.603016	0.010054	0.836839
cg011419							
40	chr14	60097247		0.346306	2.601227	0.010104	0.837443
cg245277							
00	chr7	33119186		0.381261	2.602393	0.010071	0.837443
cg108049							
74	chr5	1.41E+08		0.392525	2.604056	0.010024	0.836221

			ENSG000001765				
cg157478			93;ZSCAN1;ZNF6				
84	chr19	58980654	06	0.222784	2.598653	0.010177	0.837443
cg096562							
74	chr10	1.34E+08		0.318306	2.603594	0.010037	0.836786
cg044005							
21	chr11	1.04E+08		-0.22436	-2.6036	0.010037	0.836786
cg099803							
84	chr17	76380922	LGALS3BP	-0.35307	-2.60697	0.009943	0.836078
cg124017							
38	chr4	39460100		-0.24791	-2.60808	0.009912	0.836078
cg120733							
19	chr4	15965025	LDB2;FGFBP1	-0.33683	-2.61886	0.009616	0.836078
cg262699			ATF3;ENSG0000				
66	chr1	2.14E+08	0260805	-0.34422	-2.60173	0.01009	0.837443
cg227316							
37	chr11	45231545	CRY2;PRDM11	0.471799	2.60259	0.010066	0.837443

cg027978							
09	chr17	77954550		-0.22649	-2.59562	0.010264	0.837714
cg073820							
02	chr5	1.4E+08	WDR55;DIAPH1	-0.32968	-2.59769	0.010205	0.837443
cg047692							
18	chr7	99098020		-0.1758	-2.60052	0.010124	0.837443
cg164637							
33	chr6	33422266		-0.23668	-2.60446	0.010013	0.836215
cg187756							
34	chr3	27755341		0.367382	2.595946	0.010255	0.837714
cg265212							
07	chr7	25163585		-0.24944	-2.59947	0.010154	0.837443
cg028708							
16	chr17	80880952		-0.28727	-2.59755	0.010209	0.837443
cg027123							
22	chr16	15829293		0.275683	2.601533	0.010095	0.837443
cg128137							
97	chr6	1.33E+08		0.38307	2.607017	0.009941	0.836078
cg015667							
45	chr16	2741070		-0.26692	-2.60125	0.010104	0.837443
cg180779							
71	chr2	2.23E+08	SGPP2	0.426836	2.605059	0.009996	0.836078
cg150430							
57	chr1	41444788		0.248801	2.604215	0.01002	0.836221
cg262806			MSC;ENSG000000				
66	chr8	72755568	253379	-0.29451	-2.60619	0.009964	0.836078
cg245012							
99	chr6	1.08E+08		0.408914	2.596447	0.01024	0.837443
cg190829							
20	chr1	2.03E+08		-0.26851	-2.60605	0.009968	0.836078
cg129990							
84	chr7	69058543		-0.35596	-2.59967	0.010148	0.837443
cg216289							
27	chr13	1.11E+08		-0.50716	-2.60009	0.010136	0.837443
cg221171							
43	chr9	13251431		-0.34518	-2.60561	0.009981	0.836078
cg255670			ENSG000002575				
54	chr14	1.05E+08	56	-0.26183	-2.59465	0.010292	0.837714
cg137052							
51	chr19	8509791		0.168633	2.602403	0.010071	0.837443
cg257693							
15	chr4	53708502		0.411341	2.593889	0.010314	0.837714
cg226114							
19	chr17	77070824		-0.19002	-2.60324	0.010047	0.836839
cg023138							
50	chr10	88516765		-0.30023	-2.60079	0.010116	0.837443
cg025113			CACNA1C;CACN				
63	chr12	3365683	A1C-IT3	0.499337	2.597667	0.010205	0.837443

cg030247							
60	chr15	27215997		0.385402	2.599226	0.010161	0.837443
cg111183							
57	chr8	67525492		-0.29056	-2.59702	0.010224	0.837443
cg124969							
29	chr6	31940010 HCG27		0.172791	2.598154	0.010191	0.837443
cg131688							
77	chr1	1896470		-0.22287	-2.59803	0.010195	0.837443
cg202940							
80	chr1	17932629		0.435895	2.595678	0.010262	0.837714
cg269226							
90	chr10	7409669		-0.35628	-2.60183	0.010087	0.837443
cg002121							
19	chr5	1.78E+08		-0.33177	-2.59525	0.010275	0.837714
cg099324							
39	chr19	44645532		0.204414	2.596706	0.010233	0.837443
cg073795							
74	chr19	18724173 FCHO1;JAK3		0.3211	2.613318	0.009767	0.836078
cg272891							
53	chr6	1.35E+08		-0.22449	-2.6067	0.00995	0.836078
cg009585							
17	chr16	70473316		-0.2231	-2.60815	0.00991	0.836078
cg043316							
94	chr16	50104184		0.26963	2.603278	0.010046	0.836839

			MLLT4;WDR27;T				
cg044678			HBS2;C6orf123;S				
32	chr6	1.69E+08 MOC2		0.31371	2.60698	0.009942	0.836078
cg068878							
97	chr4	5525710		-0.41943	-2.59851	0.010181	0.837443
cg044713							
25	chr5	1.41E+08		0.296793	2.599348	0.010157	0.837443
cg266614							
36	chr5	1.41E+08		-0.20358	-2.59401	0.01031	0.837714
cg105032							
08	chr11	5545506 APBB1		-0.48465	-2.59741	0.010213	0.837443
cg181987							
30	chr1	2.48E+08		0.382792	2.602426	0.01007	0.837443
cg193783							
30	chr10	1.02E+08		0.254606	2.600527	0.010124	0.837443
cg257358							
23	chr2	3261367		-0.2442	-2.59722	0.010218	0.837443
cg206334							
78	chr10	1.32E+08		0.28252	2.595674	0.010262	0.837714
cg177955							
40	chr8	1.41E+08		-0.26975	-2.59826	0.010188	0.837443
cg102729			ENSG000002184				
77	chr6	1.02E+08 75		0.181823	2.599644	0.010149	0.837443

cg269999							
08	chr5	1.79E+08		0.242535	2.598422	0.010184	0.837443
cg001932							
83	chr3	10806047		0.324562	2.597613	0.010207	0.837443
cg168676			HIVEP1;TMEM17				
57	chr6	11044877	OB	0.361187	2.593911	0.010313	0.837714
cg223307							
49	chr2	10123764	TAF1B	0.495601	2.597844	0.0102	0.837443
cg135925							
65	chr18	76782568		-0.2795	-2.59803	0.010195	0.837443
cg274452							
78	chr22	26961465		-0.40326	-2.59524	0.010275	0.837714
cg231370							
88	chr5	1.35E+08		0.349559	2.596858	0.010228	0.837443
cg062826							
65	chr18	77797615		0.311939	2.599248	0.01016	0.837443
cg233719							
50	chr10	12237955		0.220034	2.593614	0.010322	0.837714
cg079867							
91	chr16	55498979		-0.36416	-2.59257	0.010352	0.83784
cg118310							
03	chr11	5646029		0.433964	2.59546	0.010269	0.837714
cg004897							
72	chr1	3775078		0.402966	2.587938	0.010487	0.839481
cg010825							
12	chr10	23462117		0.400405	2.597748	0.010203	0.837443
cg148826							
36	chr19	40722039		0.243976	2.592665	0.010349	0.83784
cg253862							
34	chr1	1.2E+08		0.26331	2.595409	0.01027	0.837714
cg144458							
14	chr9	1.22E+08		0.353665	2.594364	0.0103	0.837714
cg079568							
97	chr2	20647393		0.519708	2.593757	0.010318	0.837714
cg072151							
99	chr20	22549361		0.375877	2.597009	0.010224	0.837443
cg231793							
79	chr19	9434523		0.223315	2.601766	0.010089	0.837443
cg041204							
13	chr3	1.49E+08		0.373551	2.594695	0.010291	0.837714
cg123561			ALOX12P2;CLDN				
55	chr17	7673324	7	-0.45492	-2.60587	0.009973	0.836078
cg257935							
71	chr3	1.29E+08		0.309118	2.595717	0.010261	0.837714
cg083445							
51	chr10	8075872		0.274978	2.598852	0.010172	0.837443
cg071530							
98	chr2	84517742		-0.27872	-2.59701	0.010224	0.837443

cg164122							
28	chr16	2941920		-0.23088	-2.59954	0.010152	0.837443
cg089727			ADD2;DYSF;TGF				
56	chr2	71133854	A	0.308912	2.610147	0.009854	0.836078
cg010861							
10	chr20	43979369		0.324649	2.594657	0.010292	0.837714
cg117659			CERS4;ADAMTS1				
13	chr19	7926080	0;INSR;PEX11G	-0.2507	-2.59766	0.010206	0.837443
cg195188							
45	chr1	1.83E+08		-0.37425	-2.59184	0.010373	0.838711
cg140319							
64	chr10	1.26E+08		-0.32918	-2.59873	0.010175	0.837443
cg132979							
60	chr21	22370237		0.389555	2.598428	0.010184	0.837443
cg274027							
82	chr11	65296794		-0.32247	-2.59711	0.010221	0.837443
cg262584							
23	chr18	75380233		-0.3109	-2.59391	0.010313	0.837714
cg257076							
76	chr7	96643539		0.347749	2.598115	0.010193	0.837443
cg246762							
44	chr7	11872050		0.434692	2.602124	0.010079	0.837443
cg001758							
44	chr8	1.42E+08		-0.25381	-2.59408	0.010308	0.837714
cg071771							
15	chr2	1.14E+08	RABL2A	-0.26369	-2.59657	0.010237	0.837443
cg218598							
80	chr7	1.39E+08		-0.29606	-2.58924	0.010449	0.839481
cg066330							
13	chr19	14170956		-0.35927	-2.59172	0.010376	0.838711
cg070946							
93	chr2	1.2E+08		-0.22127	-2.59656	0.010237	0.837443
cg145875							
24	chr19	38183262	ZNF781	0.449021	2.58738	0.010503	0.839481
cg145086							
15	chr1	1.01E+08	VCAM1	-0.20566	-2.59398	0.010311	0.837714
cg051512							
41	chr15	90808880		-0.20618	-2.58972	0.010435	0.839481
cg126277							
12	chr11	1.34E+08	THYN1	0.606884	2.597155	0.01022	0.837443
ch.4.8394							
628F	chr4	8343728		-0.51425	-2.59413	0.010307	0.837714
cg042251							
97	chr12	56757806		0.32788	2.592065	0.010366	0.838582
cg237083							
47	chr17	46969722		-0.16916	-2.5997	0.010147	0.837443
cg054823							
06	chr5	1.56E+08		-0.3625	-2.58912	0.010452	0.839481

cg221321							
93	chr12	3334540		0.327135	2.602119	0.010079	0.837443
cg241773			ENSG000001777				
93	chr5	43037517	38	0.544769	2.585078	0.010571	0.842473
cg202584			LINC00689;PTPR				
86	chr7	1.59E+08	N2	-0.27644	-2.58817	0.01048	0.839481
cg009651							
68	chr1	2.28E+08		0.307179	2.593697	0.010319	0.837714
cg197643							
99	chr13	48669116		-0.26919	-2.59681	0.01023	0.837443
cg085726							
11	chr7	1E+08	ZCWPW1	0.458905	2.593952	0.010312	0.837714
cg040632							
35	chr22	46508563	PKDREJ;GTSE1	0.298413	2.587807	0.01049	0.839481
cg199264							
44	chr19	12624742		0.411519	2.593196	0.010334	0.837714
cg234705							
38	chr5	4295348		-0.30327	-2.58963	0.010437	0.839481
cg127824							
91	chr13	77566003		-0.31343	-2.59318	0.010334	0.837714
cg136621							
96	chr9	1.4E+08		-0.16366	-2.59047	0.010413	0.839481
cg016892							
39	chr12	48592635		0.361454	2.59416	0.010306	0.837714
cg078002							
54	chr6	30586053		0.247814	2.595151	0.010277	0.837714
cg202798							
95	chr14	31091012		0.394511	2.596901	0.010227	0.837443
cg097414							
04	chr8	1.45E+08		0.321068	2.588593	0.010467	0.839481
cg082910							
00	chr7	94285960		0.266613	2.605912	0.009972	0.836078
cg113985							
17	chr20	42355625	IFT52;PKIG	-0.28138	-2.59656	0.010237	0.837443
cg092214							
50	chr13	79856043		0.361157	2.5905	0.010412	0.839481
cg197765							
20	chr1	52869847		-0.264	-2.59405	0.010309	0.837714
cg240865							
92	chr1	2.12E+08		-0.26202	-2.59029	0.010418	0.839481
cg251501							
55	chr20	42193746		0.296382	2.593512	0.010325	0.837714
cg054725							
79	chr8	37757063	WHSC1L1	0.222552	2.587664	0.010495	0.839481
cg177781							
65	chr20	10414372		-0.32488	-2.59634	0.010243	0.837443
cg122465							
10	chr11	79152102		0.290089	2.595652	0.010263	0.837714

cg115762							
17	chr1	2.04E+08		-0.2237	-2.5932	0.010334	0.837714
cg111249							
56	chr6	10528233		0.342036	2.598755	0.010174	0.837443
cg247648			ENSG000002459				
34	chr4	1.2E+08	58	0.30237	2.594637	0.010292	0.837714
cg211777							
78	chr22	48883578		-0.27198	-2.59326	0.010332	0.837714
cg039541							
44	chr13	20751679		0.467323	2.596338	0.010243	0.837443
cg151204			NES;SMG5;SYT1				
54	chr1	1.56E+08	1	0.290057	2.59295	0.010341	0.837716
cg213951							
52	chr1	2.13E+08		-0.15661	-2.58898	0.010456	0.839481
cg237178							
05	chr13	45011224		0.310011	2.587584	0.010497	0.839481
			EFCAB7;ROR1;D				
cg090703			NAJC6;ENSG000				
16	chr1	64944768	00223949	0.432037	2.597942	0.010197	0.837443
cg057797							
86	chr2	2.37E+08		0.351877	2.588444	0.010472	0.839481
cg084440							
60	chr11	77531885		-0.26261	-2.59941	0.010156	0.837443
cg261318							
79	chr4	714341		0.374365	2.586116	0.01054	0.840978
cg074625							
40	chr7	8473279		0.325197	2.590692	0.010406	0.839481
cg031508							
57	chr7	1.06E+08		-0.26153	-2.59191	0.010371	0.838711
cg262817							
28	chr15	85923949		-0.16659	-2.58693	0.010516	0.839861
cg034091							
87	chr6	29521624		0.58995	2.58835	0.010475	0.839481
cg224280							
23	chr1	36851581		-0.18927	-2.59093	0.010399	0.839466
cg157067							
76	chr13	67374653		-0.36673	-2.59334	0.010329	0.837714
cg144089							
90	chr14	1.05E+08		-0.25969	-2.6007	0.010119	0.837443
cg146351							
60	chr9	82526898		-0.40247	-2.58914	0.010451	0.839481
cg215220							
71	chr13	1.11E+08		-0.22789	-2.58547	0.010559	0.842023
cg162948							
38	chr5	1.69E+08	SLIT3	0.378354	2.587712	0.010493	0.839481
cg177419							
86	chr5	1.78E+08		0.211106	2.587591	0.010497	0.839481



cg233755							
38	chr19	2480717		-0.3003	-2.58518	0.010568	0.842473
cg198644							
16	chr19	42498173		-0.20646	-2.59531	0.010273	0.837714
cg047666							
18	chr11	57310571		-0.21789	-2.5945	0.010296	0.837714
cg149597							
07	chr16	11876391	CPPED1;GSPT1	0.33794	2.597863	0.0102	0.837443
cg120576							
15	chr8	1.29E+08		-0.20017	-2.60454	0.010011	0.836215
cg101322							
73	chr8	27330745		-0.31795	-2.59147	0.010384	0.838711
cg151831							
26	chr3	33138421		0.199795	2.593168	0.010335	0.837714
cg124796							
30	chr1	28157569		-0.18207	-2.58992	0.010429	0.839481
cg079245							
03	chr16	89573631	CBFA2T3;SPIRE2	0.446793	2.587039	0.010513	0.839861
cg092328							
71	chr11	48902014		0.335347	2.587401	0.010502	0.839481
cg055743							
57	chr12	1.15E+08	TBX3	0.3693	2.591544	0.010382	0.838711
cg012756							
32	chr2	2.43E+08		0.268504	2.592052	0.010367	0.838582

			HLA-DMA;HLA-DOA;HLA-DMB;HLA-DRA;TAPSAR1;PS				
cg260703			MB9;HLA-				
83	chr6	32797241	DPA1;HLA-DPB1	0.353259	2.590263	0.010419	0.839481
cg108624							
89	chr17	16260166	FAM211A-AS1	-0.31397	-2.58787	0.010489	0.839481
cg033968							
09	chr3	48282488		-0.20463	-2.59771	0.010204	0.837443
cg262185							
77	chr15	69744466		0.368237	2.586327	0.010534	0.840797
cg146112							
30	chr3	49207659		0.232184	2.591746	0.010376	0.838711
cg006774							
79	chr2	1.72E+08		0.332989	2.583879	0.010606	0.843454
cg009140							
41	chr8	91997810		0.400082	2.589642	0.010437	0.839481
cg065394							
00	chr16	4365605		-0.21137	-2.58674	0.010522	0.840138
cg223869							
20	chr3	1.96E+08		0.255649	2.59263	0.01035	0.83784

cg215310							
17	chr6	30159510		-0.2013	-2.59289	0.010343	0.837716
cg048916							
88	chr3	99113136 DCBLD2		-0.43473	-2.59301	0.010339	0.837716
cg011149							
89	chr16	67757411 RANBP10		0.203461	2.583142	0.010628	0.844091
cg237156			ARL16;BAIAP2-				
67	chr17	79634303 AS1		0.411182	2.581983	0.010662	0.844452
cg059384							
37	chr20	30697524		0.201846	2.590482	0.010412	0.839481
cg196322							
36	chr5	5421452		0.380482	2.589881	0.01043	0.839481
cg146713							
64	chr1	1.08E+08		-0.2325	-2.58394	0.010604	0.843454
cg106648							
42	chr4	7710280 BLOC1S4		-0.3992	-2.58911	0.010453	0.839481
cg260944							
70	chr10	75187383		0.273934	2.591522	0.010382	0.838711
cg215746							
81	chr12	51399126 GPD1;GALNT6		0.3813	2.587456	0.010501	0.839481
cg009102							
03	chr17	21276802		0.216894	2.593952	0.010312	0.837714
cg013229							
51	chr3	1.19E+08		0.321037	2.590197	0.010421	0.839481
cg071798							
16	chr8	49647907		0.718329	2.579266	0.010743	0.845643
cg254141							
65	chr10	77542488		0.43279	2.590498	0.010412	0.839481
cg192805							
72	chr11	1873884 LSP1;C11orf89		-0.50744	-2.58254	0.010646	0.844274
cg009283							
97	chr2	1.75E+08 CHN1;WIPF1		0.264785	2.589575	0.010439	0.839481
cg170291							
56	chr2	27070458		0.236397	2.592844	0.010344	0.837716
cg121759							
05	chr15	1.02E+08 PCSK6		-0.35176	-2.58635	0.010533	0.840797
cg252770							
41	chr6	5995953		0.263859	2.588819	0.010461	0.839481
cg144793							
06	chr9	1.25E+08		-0.34962	-2.58617	0.010539	0.840978
cg036941							
38	chr7	1.5E+08		-0.32849	-2.58582	0.010549	0.841521
cg011625							
07	chr16	20322037 C16orf62		-0.32945	-2.58323	0.010625	0.844091
cg274618							
83	chr16	27561453		0.222467	2.594972	0.010283	0.837714
cg067970							
68	chr6	74104600 DDX43		0.894939	2.583915	0.010605	0.843454

cg098104							
66	chr8	11843807	0.387941	2.587775	0.010491	0.839481	
cg002532							
00	chr3	1.93E+08	0.268941	2.590059	0.010425	0.839481	
cg006612							
05	chr13	42400902	-0.23388	-2.58264	0.010643	0.844274	
cg251249							
38	chr3	1.27E+08	0.22686	2.591328	0.010388	0.838852	
cg230915							
26	chr6	29978637	0.232919	2.589898	0.010429	0.839481	
cg150909							
09	chr5	1.79E+08 ZFP2	-0.27222	-2.58804	0.010484	0.839481	
cg194715							
74	chr5	87441654	0.354183	2.590438	0.010414	0.839481	
cg268537							
87	chr2	2.03E+08	-0.53579	-2.57925	0.010744	0.845643	
cg185529							
39	chr15	23932620	-0.38388	-2.58425	0.010595	0.843454	
cg080661							
54	chr12	50459310	-0.31748	-2.60066	0.01012	0.837443	
cg171915							
58	chr8	1.45E+08	-0.37105	-2.57784	0.010786	0.845643	
cg212962							
30	chr15	33010536	0.337106	2.591019	0.010397	0.839419	
cg246866							
10	chr3	1.47E+08	0.275637	2.581214	0.010685	0.845214	
cg075531							
08	chr10	34398955	-0.24057	-2.5957	0.010262	0.837714	
cg020974							
20	chr3	1.86E+08	0.238154	2.587471	0.0105	0.839481	
cg204376							
60	chr8	56367005	-0.2829	-2.58386	0.010607	0.843454	
cg132201							
09	chr10	1.26E+08	-0.16578	-2.58969	0.010435	0.839481	
cg263355							
77	chr3	1.44E+08	-0.34899	-2.5936	0.010322	0.837714	
cg276168							
11	chr12	1.17E+08	0.395848	2.59628	0.010245	0.837443	
cg219593							
16	chr1	85040158 SYDE2	-0.22916	-2.58244	0.010649	0.844274	
cg182390							
42	chr4	1.4E+08	-0.33884	-2.58894	0.010457	0.839481	
cg194487							
80	chr13	1.12E+08	0.253418	2.583111	0.010629	0.844091	
cg203449							
56	chr15	21940895	-0.36346	-2.5851	0.01057	0.842473	
cg082359							
47	chr7	1.58E+08	0.410049	2.578322	0.010772	0.845643	
cg115805							
75	chr5	1.54E+08	0.308045	2.588729	0.010464	0.839481	

cg271654							
56	chr7	1782577	PSMG3	-0.31961	-2.59146	0.010384	0.838711
cg174421							
55	chr7	99955675	PILRA	-0.27731	-2.58444	0.010589	0.843337
cg063229							
88	chr3	1.39E+08		0.718109	2.584639	0.010584	0.84319
cg019321							
82	chr2	3689368		0.286637	2.584524	0.010587	0.843304
cg007880							
63	chr16	85337438		-0.29637	-2.58241	0.01065	0.844274
cg274784							
85	chr12	6898682	PTPN6	-0.31645	-2.58097	0.010693	0.845214
cg216640							
30	chr16	216244		0.278593	2.583268	0.010624	0.844091
cg146693							
45	chr6	1.19E+08		0.298671	2.598533	0.010181	0.837443
cg268012							
41	chr16	47495768		-0.42775	-2.58277	0.010639	0.844274

			MLF1;LXN;RARR				
			ES1;IQCJ-				
			SCHIP1;MFSD1;E				
cg066871			NSG0000027177				
02	chr3	1.58E+08	8	0.407728	2.607168	0.009937	0.836078
cg221466			IQCE;PSMG3-				
42	chr7	2196808	AS1	0.449638	2.592829	0.010344	0.837716
cg229499							
51	chr6	351293		0.312104	2.583005	0.010632	0.844091
cg046745							
68	chr5	1.68E+08	SPDL1;RARS	-0.30079	-2.58548	0.010559	0.842023
ch.4.1349							
00688F	chr4	1.35E+08		0.416741	2.588569	0.010468	0.839481
cg080651							
22	chr11	794433		-0.37021	-2.57905	0.01075	0.845643
cg097117							
46	chr11	32460375	TCP11L1	0.354108	2.581007	0.010691	0.845214
cg044600							
07	chr4	52725497		0.368084	2.593671	0.01032	0.837714
cg156057							
04	chr1	4770676		-0.44432	-2.58148	0.010677	0.844978
cg034068							
44	chr2	1.52E+08		-0.44753	-2.58869	0.010465	0.839481
cg071099							
65	chr6	16401143		-0.25914	-2.58901	0.010455	0.839481
cg075123							
13	chr14	1.03E+08		-0.32125	-2.58288	0.010636	0.844182
cg027352							
04	chr10	71871463		0.367391	2.576602	0.010823	0.845643

cg082693						
16	chr4	1.74E+08	0.382849	2.586933	0.010516	0.839861
cg036605						
00	chr1	1.98E+08	0.375286	2.576908	0.010814	0.845643
cg179194						
77	chr1	3574507	-0.23271	-2.58411	0.010599	0.843454
cg176162						
17	chr3	1.34E+08	0.420607	2.59748	0.010211	0.837443
cg062194						
08	chr8	1.44E+08	-0.21311	-2.58158	0.010674	0.84491
cg137921						
47	chr16	31831181	0.339787	2.580782	0.010698	0.845214
cg055121						
11	chr3	1.19E+08 UPK1B	-0.36795	-2.58008	0.010719	0.845438
cg245103						
97	chr7	1.52E+08	-0.33252	-2.5782	0.010775	0.845643
cg149737						
97	chr2	2.03E+08	0.206426	2.583593	0.010614	0.843922
cg141963						
03	chr9	6757347	0.236841	2.584763	0.01058	0.843057
cg182448						
11	chr5	99690406	0.312197	2.592329	0.010359	0.838251
cg068667						
12	chr8	18743898	-0.33427	-2.58224	0.010655	0.844436
cg209982						
00	chr11	22370099	-0.4606	-2.57425	0.010894	0.845643
cg271002						
36	chr8	11561458	0.40131	2.582988	0.010632	0.844091
cg147315						
70	chr2	2.32E+08	0.296999	2.57852	0.010766	0.845643
cg126086						
33	chr10	1.01E+08	-0.32803	-2.58309	0.010629	0.844091
cg016922						
52	chr17	37893005	-0.25986	-2.58014	0.010717	0.845438
cg187158						
68	chr6	27804866	-0.32028	-2.57682	0.010817	0.845643
cg090815						
44	chr3	1.25E+08 MUC13	-0.33025	-2.57604	0.01084	0.845643
cg180593						
83	chr17	1839591	-0.2796	-2.57545	0.010858	0.845643
cg012268						
65	chr12	7858598	0.47961	2.584013	0.010602	0.843454
cg119438						
39	chr3	47654439 KLHL18	-0.27239	-2.58135	0.010681	0.845125
cg200645						
58	chr10	1.35E+08	-0.34399	-2.57965	0.010732	0.845438
cg048715						
38	chr15	73348009 BBS4;HCN4	0.258867	2.588059	0.010483	0.839481
cg139773						
74	chr9	86152905	0.194998	2.580134	0.010717	0.845438

cg198138							
84	chr1	59043370		0.279198	2.581962	0.010663	0.844452
cg041044							
63	chr8	65291341		0.400664	2.581793	0.010668	0.844553
cg235944							
61	chr1	2.01E+08		0.345904	2.582377	0.010651	0.844274
cg139007							
73	chr12	1.31E+08		-0.72656	-2.57933	0.010741	0.845643
cg253922							
87	chr1	26333318		0.196381	2.575413	0.010859	0.845643
cg157935							
77	chr6	1.71E+08		-0.34367	-2.58331	0.010623	0.844091
cg051494							
98	chr5	32089720		0.289587	2.581959	0.010663	0.844452
cg083241							
15	chr16	57450784		-0.30982	-2.58101	0.010691	0.845214
cg195942							
18	chr1	62660556		-0.43073	-2.57972	0.01073	0.845438
cg066642							
54	chr16	75628226		0.342854	2.577765	0.010788	0.845643
cg156741							
93	chr2	2.39E+08		0.265359	2.577134	0.010807	0.845643
cg095549							
52	chr17	3030881		-0.29428	-2.5819	0.010665	0.844452
cg118094							
64	chr6	1E+08		0.316398	2.576533	0.010825	0.845643
cg075169							
56	chr5	1.35E+08		0.311399	2.573559	0.010915	0.845643
cg056091							
59	chr2	2.1E+08		-0.40661	-2.57962	0.010733	0.845438
cg035898							
98	chr8	1.42E+08		-0.26943	-2.57967	0.010731	0.845438

			SMTN;EIF4ENIF1				
cg086656			;ENSG00000198				
85	chr22	31500397	832	0.319007	2.57237	0.010951	0.846247
cg010528							
54	chr1	1.15E+08		0.189647	2.577268	0.010803	0.845643
cg262995							
49	chr7	1.05E+08		-0.18141	-2.5798	0.010727	0.845438
cg028602							
81	chr1	39284609	FHL3	0.331377	2.580188	0.010716	0.845438
cg171553							
30	chr13	1.11E+08		0.323427	2.572884	0.010936	0.846162
cg226469							
95	chr5	1.81E+08		0.44921	2.57804	0.01078	0.845643
cg242444							
78	chr11	75374608		-0.42365	-2.5741	0.010899	0.845643
cg231413							
33	chr1	1.15E+08		-0.21853	-2.57915	0.010747	0.845643

cg097090							
79	chr12	7174923	-0.28477	-2.57419	0.010896	0.845643	
cg012410							
18	chr6	33176386	-0.21336	-2.57324	0.010925	0.845643	
cg186462							
54	chr4	1.38E+08	-0.40261	-2.582	0.010662	0.844452	
cg012372							
63	chr17	21179546	-0.1335	-2.57756	0.010794	0.845643	
cg082483							
30	chr1	21020048	-0.24288	-2.57615	0.010837	0.845643	
cg140683							
28	chr6	85474087	0.379775	2.573443	0.010919	0.845643	
cg070571							
77	chr7	1.32E+08	-0.29352	-2.57762	0.010793	0.845643	
cg166597							
28	chr11	68748506	-0.40658	-2.57323	0.010925	0.845643	
cg084466							
92	chr15	84034366	-0.26583	-2.59631	0.010244	0.837443	
cg157373							
02	chr11	1.18E+08	0.250398	2.575487	0.010857	0.845643	
cg272990							
24	chr15	59667752	-0.33234	-2.57752	0.010795	0.845643	
cg110430							
31	chr17	6543784	0.323251	2.575308	0.010862	0.845643	
cg216480							
09	chr17	77175465	0.387443	2.575553	0.010855	0.845643	
cg023648							
55	chr8	53361893	0.268025	2.587507	0.010499	0.839481	
cg044614							
81	chr16	49526774	-0.28822	-2.57448	0.010887	0.845643	
cg121312							
19	chr1	25558575	-0.2535	-2.5802	0.010715	0.845438	
cg054835							
09	chr16	2563435	0.308008	2.580277	0.010713	0.845438	
cg058683							
65	chr7	1584479	-0.56019	-2.56972	0.011032	0.847781	
cg165262							
87	chr6	15524865	-0.3117	-2.57737	0.0108	0.845643	
cg259033							
63	chr8	21972479 HR;BMP1	-0.33826	-2.58697	0.010515	0.839861	
cg254962		TNFAIP1;ENSG00					
97	chr17	27411642 000265845	0.242184	2.578945	0.010753	0.845643	
cg244735							
00	chr7	871436	-0.29967	-2.57751	0.010796	0.845643	
cg069153							
34	chr8	20161343	0.226902	2.577528	0.010795	0.845643	
cg203037							
24	chr17	21792854	-0.29022	-2.5762	0.010835	0.845643	

cg06373817	chr15	93123126		-0.2998	-2.57977	0.010728	0.845438
cg02592615	chr6	12012261		-0.24397	-2.57956	0.010734	0.845438
cg01829241	chr4	8582249		0.540618	2.596113	0.01025	0.837674
cg14178794	chr4	5713546		0.331401	2.573599	0.010914	0.845643
cg13250884	chr3	8543204		0.159734	2.573325	0.010922	0.845643
cg11051738	chr14	54687160		0.33122	2.580825	0.010697	0.845214
cg17306661	chr7	6888415		-0.21894	-2.57791	0.010784	0.845643
cg24022301	chr1	78956570		0.386578	2.57391	0.010905	0.845643
cg01172183	chr8	99952031		0.434818	2.574197	0.010896	0.845643
cg07562135	chr19	39340654		-0.23427	-2.57443	0.010889	0.845643
cg19349476	chr13	1.01E+08		0.230863	2.587983	0.010485	0.839481
cg13101314	chr21	47408424		-0.30841	-2.58081	0.010697	0.845214
cg07526227	chr19	51168305		-0.31857	-2.57383	0.010907	0.845643
cg16244889	chr14	94211818	FAM181A;UNC7	-0.37563	-2.57669	0.01082	0.845643
cg25293328	chr19	2611690	GNA15	-0.35097	-2.57466	0.010882	0.845643
cg19441170	chr3	1.83E+08		-0.29315	-2.57664	0.010822	0.845643
cg21971285	chr11	31841818		0.21529	2.589018	0.010455	0.839481
cg08089301	chr17	46655561	ATP5G1;SKAP1;NPEPPS;SP6;ABI3;UBE2Z;PNPO;E NSG0000022994 4;HOXB4;PRR15L	0.445745	2.569144	0.01105	0.847781
cg13698414	chr7	1131067		-0.24121	-2.57806	0.010779	0.845643
cg05039004	chr1	29586299		0.434217	2.575666	0.010851	0.845643
cg02611811	chr2	2.37E+08	IQCA1;ACKR3	0.375445	2.579602	0.010733	0.845438



cg078296							
93	chr16	85775278		-0.25907	-2.57786	0.010786	0.845643
cg065060							
54	chr5	1.49E+08		-0.18715	-2.57578	0.010848	0.845643
cg135518							
94	chr4	76649299		-0.36491	-2.57106	0.010991	0.847419
cg015764							
59	chr1	2.28E+08	ITPKB;C1orf95	-0.31385	-2.57803	0.01078	0.845643
cg239671							
69	chr3	68981503		0.366358	2.572573	0.010945	0.846247
cg123551							
10	chr19	57617754		0.404301	2.567398	0.011104	0.848578
cg025380							
89	chr4	4250085		-0.28249	-2.57037	0.011012	0.847781
cg058655							
48	chr14	1.01E+08		-0.37306	-2.5716	0.010975	0.846796
cg088637							
75	chr16	16118135		-0.30021	-2.5767	0.01082	0.845643
cg137834							
34	chr13	1.01E+08		0.311978	2.57169	0.010972	0.846796
cg008759							
89	chr18	44774054	TCEB3C	0.358481	2.569542	0.011038	0.847781
cg100917							
98	chr12	46654629		0.304357	2.569878	0.011027	0.847781
cg072770							
17	chr11	1874093	LSP1	-0.81739	-2.57526	0.010864	0.845643
cg085483			HLA-F;HLA-				
96	chr6	30095549	A;VAR52	0.349407	2.572645	0.010943	0.846247
cg112469							
38	chr12	1.15E+08	TBX5	0.563933	2.573489	0.010917	0.845643
cg154977							
24	chr19	51774377		0.444839	2.570838	0.010998	0.84761
cg112689							
83	chr5	1.4E+08		0.344344	2.568176	0.01108	0.848092
cg255081							
18	chr2	1.2E+08		-0.941	-2.5843	0.010594	0.843454
cg263005							
00	chr22	50885288		0.290866	2.578269	0.010773	0.845643
cg059915							
39	chr6	31692365	VAR52	-0.26317	-2.57008	0.011021	0.847781
cg005796							
94	chr6	1523080		0.345359	2.580815	0.010697	0.845214
cg021105							
27	chr16	603934		-0.2277	-2.57551	0.010856	0.845643
cg076039							
22	chr8	13424184		0.313873	2.567014	0.011115	0.848578
cg232393			ENSG000002299				
44	chr2	28569574	51	-0.35541	-2.57348	0.010917	0.845643

cg200494							
15	chr20	21377671		0.535394	2.577744	0.010789	0.845643
cg094176							
83	chr10	26222250		-0.35414	-2.57985	0.010726	0.845438
cg092585			SNED1;ENSG000				
53	chr2	2.42E+08	00233392	-0.38261	-2.56779	0.011091	0.84838
cg017675							
25	chr18	76262288		0.295976	2.571878	0.010966	0.846538
cg206677							
29	chr19	43691878		-0.20124	-2.56838	0.011073	0.848051
cg143063							
66	chr12	31406441		-0.5036	-2.57056	0.011007	0.847781
cg063436							
73	chr17	78778232		-0.31444	-2.58265	0.010642	0.844274
cg043467							
01	chr14	60096225		0.3165	2.576865	0.010815	0.845643
cg035559							
14	chr2	1.22E+08		-0.16785	-2.5722	0.010956	0.846247
cg142780							
73	chr6	38690735		0.24935	2.569823	0.011029	0.847781
cg009353							
07	chr4	1581921		-0.37349	-2.58052	0.010706	0.845438
cg013864							
25	chr12	1.18E+08		0.364694	2.571573	0.010976	0.846796
cg036832							
50	chr15	66085298		-0.35595	-2.5693	0.011045	0.847781
cg064931							
66	chr6	1.44E+08		0.419467	2.572131	0.010959	0.846247
cg154126							
82	chr10	2035312		-0.26523	-2.58025	0.010714	0.845438
cg218032							
45	chr14	1.05E+08		0.245366	2.569807	0.01103	0.847781
cg105298							
12	chr17	80350324		-0.33021	-2.57499	0.010872	0.845643
cg061586			CCDC96;KIAA02				
27	chr4	7768357	32	0.284915	2.573535	0.010916	0.845643
cg083229							
78	chr7	180140		-0.26358	-2.57654	0.010825	0.845643
cg161741							
21	chr11	47736254		0.404432	2.571076	0.010991	0.847419
cg161135							
30	chr5	1.15E+08		-0.21746	-2.57392	0.010904	0.845643
cg064473			CCDC28B;LCK;C				
41	chr1	32452930	LP;YARS;PTP4A2	0.251501	2.572706	0.010941	0.846247

cg051855			ENSG000002615				
73	chr6	26598237	84	0.488646	2.575852	0.010846	0.845643
cg270144							
35	chr7	1.58E+08	DNAJB6	-0.37415	-2.57605	0.01084	0.845643
cg031977							
62	chr15	89765952		-0.22586	-2.57505	0.01087	0.845643
cg262792							
82	chr11	18481032		-0.31082	-2.56985	0.011028	0.847781
cg275356							
77	chr6	28601365	HIST1H2AK	0.676273	2.568877	0.011058	0.847803
cg099743							
04	chr16	1374749	BAIAP3	-0.29506	-2.57105	0.010992	0.847419
cg024032							
83	chr10	518210		0.314079	2.577596	0.010793	0.845643
cg215934							
09	chr16	88706389		0.47968	2.571108	0.01099	0.847419
cg149289							
02	chr8	70983532		0.290651	2.573242	0.010925	0.845643
cg044257							
83	chr14	1.06E+08		0.23252	2.568675	0.011064	0.848051
cg000592							
40	chr10	3155604		0.296347	2.57671	0.01082	0.845643
cg063009							
61	chr11	1459507	IGF2	-0.26672	-2.56911	0.011051	0.847781
cg148847							
60	chr22	50164437		0.389557	2.588923	0.010458	0.839481
cg025543							
45	chr10	50604569		0.396726	2.566454	0.011133	0.848734
cg215874							
77	chr7	1.29E+08		0.201497	2.574823	0.010877	0.845643
cg236460							
44	chr17	42941002	GPATCH8	0.26731	2.567427	0.011103	0.848578
cg191643							
35	chr12	49485151	KMT2D	0.276139	2.565409	0.011165	0.849699
cg261861							
34	chr1	6527489		-0.20838	-2.56943	0.011041	0.847781
cg093678							
17	chr1	1.64E+08		-0.3736	-2.57225	0.010955	0.846247
cg184490							
50	chr3	1.35E+08		-0.32735	-2.57377	0.010909	0.845643
			FMNL2;STAM2;E				
cg050275			NSG0000021319				
33	chr2	1.53E+08	7	0.390776	2.577905	0.010784	0.845643
cg134760							
77	chr1	2E+08	C1orf106	0.343326	2.573578	0.010915	0.845643
cg154480							
76	chr12	4380872		-0.28043	-2.57875	0.010759	0.845643
cg034580							
12	chr8	25266283		-0.46318	-2.56895	0.011056	0.847781

cg140992							
93	chr6	38607245		0.274431	2.57793	0.010783	0.845643
cg057849							
51	chr17	80968162		-0.38559	-2.56911	0.011051	0.847781
cg072858							
96	chr17	79212910		0.181604	2.570721	0.011002	0.847732
cg001842							
40	chr12	1.23E+08		0.348513	2.570902	0.010996	0.84761
cg088999							
37	chr4	1333755		0.44735	2.574966	0.010873	0.845643
cg194343							
03	chr14	1.01E+08		0.245096	2.565744	0.011155	0.849699
cg004502							
75	chr15	63132689		-0.25657	-2.56538	0.011166	0.849699
cg206608							
02	chr5	55041		-0.23715	-2.5686	0.011066	0.848051
cg057091							
62	chr3	1.13E+08		0.383286	2.569024	0.011054	0.847781
cg273933							
98	chr1	51436046		-0.35432	-2.57429	0.010893	0.845643
cg145601							
33	chr19	51199453		0.301798	2.572192	0.010957	0.846247
cg012324							
92	chr3	1.72E+08		-0.23741	-2.57428	0.010893	0.845643
cg007667							
29	chr19	56136136		-0.33241	-2.57218	0.010957	0.846247
cg048338							
19	chr17	927551		1.107998	2.565	0.011178	0.849808
cg237124							
62	chr8	1.4E+08		0.285017	2.564808	0.011184	0.849959
cg050650							
37	chr9	88969928		0.469056	2.567704	0.011094	0.848438
cg271048							
22	chr19	10698084		0.364199	2.573875	0.010906	0.845643
cg072117							
07	chr2	1.32E+08		-0.31907	-2.57272	0.010941	0.846247
cg086098							
39	chr5	1380611		-0.37897	-2.57207	0.010961	0.846247
cg049727							
45	chr10	1.01E+08		0.388599	2.569036	0.011053	0.847781

cg238357			EPDR1;TRGV3;T				
83	chr7	37991679	RGV10;TRGV2;E				
cg195972			LMO1	-0.38791	-2.56017	0.011328	0.85071
30	chr2	2.24E+08	KCNE4	-0.48102	-2.57356	0.010915	0.845643

			GABBR1;SCAND 3;ENSG0000027				
cg221524							
92	chr6	28554334	2009;HCG14	0.342783	2.56732	0.011106	0.848578
cg082206							
14	chr19	54491255		-0.2198	-2.57344	0.010919	0.845643
cg166767							
75	chr1	2.34E+08	COA6	-0.41661	-2.57299	0.010932	0.846063
cg170513							
95	chr17	78644292		-0.30764	-2.56285	0.011244	0.85071
cg260672							
50	chr2	1.73E+08		0.269515	2.566543	0.01113	0.848734
cg172371							
11	chr4	1.15E+08		-0.41231	-2.56671	0.011125	0.848734
cg221671							
48	chr1	1.2E+08	HIST2H2BA	0.472223	2.590148	0.010422	0.839481
cg120694							
23	chr10	15254709		-0.34836	-2.56992	0.011026	0.847781
cg161484							
03	chr4	25161816		-0.24345	-2.56721	0.011109	0.848578
cg110320							
38	chr16	33965322		0.416676	2.564839	0.011183	0.849959
cg133531							
52	chr1	1.58E+08		-0.43629	-2.56736	0.011105	0.848578
cg045690							
82	chr12	1.28E+08	LINC00943	0.421427	2.564023	0.011208	0.850588
cg059313							
45	chr1	1.51E+08		-0.15593	-2.58736	0.010504	0.839481
cg249956							
74	chr13	1.11E+08		-0.34717	-2.56247	0.011256	0.85071

			ANAPC15;LRTO MT;ANO1;IL18B				
cg098304							
55	chr11	70886197	P	-0.36576	-2.56419	0.011203	0.850528
cg049906							
05	chr9	1.4E+08	RNF224	-0.36511	-2.55996	0.011335	0.85071
cg156002							
79	chr7	50530230		-0.45895	-2.57581	0.010847	0.845643
cg159900							
15	chr1	44679006		-0.24875	-2.56694	0.011118	0.848578
cg081504							
70	chr19	55851237		-0.19312	-2.56842	0.011072	0.848051
cg079925			CDC42EP3;GAL				
00	chr2	37896583	M	0.428859	2.566539	0.01113	0.848734
cg197306							
91	chr1	1.2E+08		0.27671	2.568989	0.011055	0.847781
cg267926							
87	chr16	22177571		-0.23165	-2.57409	0.010899	0.845643

cg027507							
92	chr3	39543967		0.562103	2.573731	0.01091	0.845643
cg273025							
76	chr15	32964759	GREM1	0.3702	2.565284	0.011169	0.849699
cg222083							
65	chr19	53898269	ZNF808	0.203953	2.565279	0.011169	0.849699
cg193518							
38	chr12	1.32E+08		0.265314	2.566674	0.011126	0.848734
cg271189							
29	chr15	69325271		0.515686	2.562866	0.011244	0.85071
			HIST1H2BO;HIST				
			1H1B;PGBD1;HIS				
			T1H3H;HIST1H3J				
			;HIST1H2AG;HIS				
			T1H4L;HIST1H2A				
cg177008							
35	chr6	27390890	H	0.397064	2.561273	0.011294	0.85071
cg157260							
55	chr1	2506027	ARHGEF16	-0.30264	-2.56905	0.011053	0.847781
cg082760							
62	chr11	1891932		0.307909	2.569887	0.011027	0.847781
cg266203							
14	chr16	66038809		-0.38529	-2.56818	0.011079	0.848092
cg201307							
51	chr12	57881856		0.227426	2.564182	0.011203	0.850528
cg080469							
63	chr14	91072652		0.340134	2.561169	0.011297	0.85071
cg209505							
29	chr14	54677357		0.404814	2.575243	0.010864	0.845643
cg096892							
79	chr15	49169965		-0.40574	-2.56931	0.011045	0.847781
cg195093							
30	chr6	50692371		0.271382	2.573863	0.010906	0.845643
cg184130							
62	chr11	1.33E+08		-0.42236	-2.56511	0.011174	0.849699
cg167544							
67	chr6	10426588		0.52612	2.568173	0.01108	0.848092
cg242320							
30	chr19	6215556		-0.20431	-2.57391	0.010905	0.845643
cg133937							
11	chr5	1.76E+08		0.274578	2.561182	0.011297	0.85071
cg042496			KIFC1;RPS18;BA				
05	chr6	33131560	K1	-0.36393	-2.56038	0.011322	0.85071
cg266030							
47	chr16	88838368	TRAPPC2L	-0.2095	-2.56262	0.011252	0.85071
cg177620							
73	chr6	34024220		-0.4452	-2.56024	0.011326	0.85071

cg275725							
10	chr17	35474613		-0.4317	-2.56805	0.011084	0.848171
cg232246							
19	chr2	2.34E+08	EIF4E2;EFHD1	0.466465	2.559577	0.011347	0.85071
cg105503							
20	chr14	24583914		-0.151	-2.56983	0.011029	0.847781
cg232099							
90	chr4	55097576		0.41169	2.561616	0.011283	0.85071
cg060161							
76	chr5	1.57E+08		-0.21755	-2.55863	0.011377	0.85071
ch.1.2988							
748F	chr1	1.54E+08		-0.23821	-2.57663	0.010822	0.845643
cg146036							
24	chr9	1.39E+08		-0.3161	-2.56129	0.011293	0.85071
cg119629			ENSG000002605				
71	chr15	71616585	86	0.344613	2.569411	0.011042	0.847781
cg242383							
56	chr17	47209660	FAM117A	-0.36495	-2.57412	0.010898	0.845643
cg137526							
49	chr17	46608559		0.39811	2.56379	0.011215	0.850696
cg069227							
31	chr6	7770019		-0.32237	-2.56227	0.011263	0.85071
cg267292							
04	chr6	2932241		0.24601	2.562747	0.011248	0.85071
cg184295							
84	chr12	10264210		-0.38337	-2.56045	0.01132	0.85071
cg115821							
16	chr1	36348991		-0.19881	-2.56105	0.011301	0.85071
cg170714							
17	chr19	50962282		0.337384	2.563666	0.011219	0.85071
cg170815							
70	chr3	51708325		-0.2438	-2.56841	0.011072	0.848051
cg226067							
36	chr19	3803270		0.326207	2.559701	0.011343	0.85071
cg046516							
03	chr12	54321302		0.408444	2.562552	0.011254	0.85071
cg161378							
91	chr11	75047111		-0.23078	-2.56801	0.011085	0.848171
cg145197							
17	chr14	90744790		0.316023	2.564257	0.011201	0.850528
cg174536							
03	chr11	93904908		0.306894	2.563342	0.011229	0.85071
cg136142							
86	chr9	1.31E+08		0.240926	2.557978	0.011397	0.85071
cg047450			TRIM27;SCAND3				
64	chr6	29416095	;TRIM39	-0.4572	-2.56101	0.011302	0.85071
cg187298							
86	chr14	61788339		-0.16928	-2.55908	0.011363	0.85071

cg180933							
28	chr2	2.43E+08		0.349954	2.558274	0.011388	0.85071
cg213609							
75	chr2	2.39E+08		0.354842	2.563399	0.011227	0.85071
cg264684							
30	chr7	1572571		-0.23028	-2.55564	0.011471	0.85071
cg224421							
80	chr1	1684399		-0.38076	-2.56343	0.011226	0.85071
cg020856							
48	chr7	44259913 SNHG15		-0.33104	-2.56396	0.01121	0.850588

cg270878			ACSBG1;DNAJA4				
09	chr15	78527410	;RASGRF1	-0.30525	-2.56701	0.011115	0.848578
cg042765							
08	chr6	50819054		0.389029	2.560765	0.01131	0.85071
cg094804							
46	chr7	1.08E+08		0.381709	2.563036	0.011239	0.85071
cg214996							
85	chr4	1362252		-0.34213	-2.55657	0.011442	0.85071
cg246998							
95	chr10	71094286		-0.30566	-2.56635	0.011136	0.848734
cg097863							
21	chr2	3654242		0.315579	2.572248	0.010955	0.846247
cg232999							
89	chr4	980676		-0.17442	-2.55872	0.011374	0.85071
cg205696							
52	chr20	36157764		-0.24998	-2.55924	0.011358	0.85071
cg023586							
30	chr10	71993457		0.224812	2.559166	0.01136	0.85071
cg117838							
15	chr6	33558433		-0.25366	-2.56099	0.011302	0.85071
cg223282							
56	chr6	28757381		0.350694	2.560889	0.011306	0.85071
cg272894							
97	chr16	2298129		-0.26314	-2.5599	0.011337	0.85071
cg132767							
52	chr17	57970287		-0.26931	-2.57065	0.011004	0.847748
cg180957							
32	chr13	22033692		-0.28713	-2.56423	0.011201	0.850528

cg198878			HLA-DMB;HLA-DMA;SLC44A4;P				
24	chr6	32797476	SMB9;HLA-DRA	0.567478	2.569558	0.011037	0.847781
cg090269							
94	chr17	116238	DOC2B	-0.22649	-2.56787	0.011089	0.848349
cg229998							
64	chr6	1.09E+08		-0.33249	-2.56568	0.011157	0.849699



cg010594							
49	chr18	44338099	TCEB3C	0.362599	2.557235	0.011421	0.85071
cg254686							
32	chr5	85913588		-0.37791	-2.55716	0.011423	0.85071
cg196139							
15	chr5	1.71E+08		0.719079	2.577019	0.010811	0.845643
cg154960							
05	chr11	1.1E+08		-0.19566	-2.55887	0.011369	0.85071
cg070558							
79	chr7	1.44E+08		-0.34869	-2.55648	0.011444	0.85071
cg180620							
25	chr2	1.35E+08		-0.19367	-2.56514	0.011173	0.849699
cg063627							
29	chr4	1.31E+08		-0.36608	-2.56694	0.011118	0.848578
cg145981							
43	chr6	26205244		0.321546	2.566514	0.011131	0.848734
cg155555							
27	chr4	80885981		0.528725	2.560225	0.011326	0.85071
cg254081							
82	chr21	45431161		-0.27246	-2.56386	0.011213	0.850682
cg087302							
39	chr12	47226453	RAPGEF3	0.363922	2.557428	0.011415	0.85071
cg268317							
12	chr10	99240234		-0.28976	-2.56059	0.011315	0.85071
cg085521							
98	chr16	49309124		0.319104	2.555812	0.011466	0.85071
cg152937							
50	chr10	17243266		-0.28076	-2.55886	0.01137	0.85071
cg135602							
00	chr7	44646066	YKT6	-0.23441	-2.55465	0.011502	0.85071
cg138805			ENSG000002249				
45	chr9	1.35E+08	92	-0.39083	-2.56214	0.011266	0.85071
cg221432							
89	chr19	30019898		0.251768	2.559065	0.011363	0.85071
cg146115							
55	chr9	90689720		-0.32816	-2.55934	0.011354	0.85071
cg087058							
82	chr10	94337576	HHEX	-0.32113	-2.56472	0.011186	0.850006
cg273613			ENSG000002431				
70	chr3	1.58E+08	76	0.443719	2.558393	0.011384	0.85071
cg200482							
60	chr13	1.11E+08		-0.3344	-2.56238	0.011259	0.85071
cg031921							
63	chr6	1.37E+08		0.414542	2.556615	0.01144	0.85071
cg082403							
73	chr9	34329106	NUDT2	-0.33826	-2.56431	0.011199	0.850528
cg020719							
57	chr16	19191409		0.465981	2.559861	0.011338	0.85071
cg259758							
23	chr19	41860824		-0.24588	-2.56546	0.011164	0.849699

cg262199							
77	chr1	40043840		-0.31419	-2.55509	0.011488	0.85071
cg066146							
09	chr5	6605060		-0.26495	-2.55986	0.011338	0.85071
cg126478							
01	chr11	64028732		0.296043	2.556773	0.011435	0.85071
cg126675							
21	chr19	29218732		-0.80046	-2.55658	0.011441	0.85071
cg112377		ENSG000002400					
34	chr11	27528142 36		-0.16102	-2.56159	0.011284	0.85071
cg048908							
51	chr15	96952237		0.341476	2.556376	0.011448	0.85071
cg185056							
70	chr6	1.69E+08		-0.33194	-2.56522	0.011171	0.849699
cg067857							
20	chr16	89109464 CYBA		0.313177	2.562769	0.011247	0.85071
cg199951							
17	chr12	2880862		-0.34888	-2.55645	0.011445	0.85071
cg150612		ENSG000001716					
31	chr3	1.86E+08 58		-0.42914	-2.56737	0.011104	0.848578
cg230334							
02	chr15	1.02E+08		-0.20146	-2.56944	0.011041	0.847781
cg134936							
20	chr9	1.29E+08		-0.25466	-2.56259	0.011253	0.85071
cg066416							
07	chr1	2.33E+08		0.304698	2.576652	0.010822	0.845643
cg230770							
29	chr6	1.08E+08 RTN4IP1;SCML4		0.297491	2.568501	0.01107	0.848051
cg115902							
13	chr5	66331682		-0.37205	-2.55854	0.011379	0.85071
cg180775							
80	chr7	96655798		0.362958	2.562664	0.01125	0.85071
cg046046		ENSG000002311					
66	chr4	37828046 60		-0.23418	-2.56128	0.011294	0.85071
cg018570							
19	chr15	57210107		0.385496	2.562651	0.011251	0.85071
cg052331							
28	chr19	3659669		-0.32238	-2.55966	0.011344	0.85071
cg088064							
08	chr16	51185001		0.336062	2.557365	0.011417	0.85071
cg010876							
45	chr16	28503407		0.216384	2.551638	0.011599	0.85086
cg177481							
67	chr1	31769917 BAI2		-0.21862	-2.55811	0.011393	0.85071
cg017897							
05	chr16	27500975		0.289165	2.556156	0.011455	0.85071
cg253964							
64	chr19	14953187		-0.18855	-2.55876	0.011372	0.85071
cg024315							
97	chr1	1.81E+08		0.375479	2.550852	0.011624	0.85086

ch.10.199							
9173F	chr10	95990357		0.399482	2.552031	0.011586	0.85086
cg007082							
15	chr9	1.4E+08		-0.193	-2.55571	0.011469	0.85071
cg068860							
59	chr11	1.09E+08		-0.27554	-2.56079	0.011309	0.85071
cg209008							
01	chr15	32163145		0.20863	2.560916	0.011305	0.85071
			CT62;KIF23;LRRC				
			49;PAQR5;ENSG				
			00000259641;E				
cg231020			NSG0000025942				
14	chr15	70574295	6	-0.48952	-2.56303	0.011239	0.85071
cg271174							
76	chr14	47120795		-0.37687	-2.56058	0.011315	0.85071
cg250603							
39	chr14	1.05E+08		-0.38088	-2.55997	0.011334	0.85071
cg231166							
70	chr14	1.02E+08	ANKRD9	-0.21104	-2.55418	0.011518	0.85071
cg239738			HSPA12B;ADAM				
01	chr20	3141496	33;SLC4A11	-0.32434	-2.55421	0.011517	0.85071
cg211842							
56	chr11	1.25E+08		0.37446	2.562913	0.011242	0.85071
cg084479			BIN2;GALNT6;GR				
34	chr12	52311706	ASP	-0.17766	-2.55499	0.011492	0.85071
cg141142							
67	chr2	1.75E+08	WIPF1;CHN1	-0.50945	-2.55953	0.011348	0.85071
cg143305							
85	chr9	3180869	VLDLR	0.331067	2.557571	0.01141	0.85071
cg233103							
14	chr10	94051238		-0.18683	-2.55652	0.011443	0.85071
cg257442							
14	chr10	72164137		0.205798	2.560993	0.011302	0.85071
cg201283							
65	chr8	1.19E+08		0.490367	2.55865	0.011376	0.85071
cg048726							
10	chr1	1.14E+08	OLFML3	0.319951	2.553915	0.011526	0.85086
cg188946							
66	chr14	77495072		0.197842	2.554545	0.011506	0.85071
cg114324							
43	chr1	6548491		-0.27501	-2.55524	0.011484	0.85071
cg054352							
12	chr3	27632180		-0.49279	-2.56024	0.011326	0.85071
cg160493							
91	chr15	83954395	CPEB1	-0.55462	-2.55611	0.011456	0.85071

cg23502966	chr3	1.96E+08		0.433048	2.555855	0.011464	0.85071
cg13583309	chr14	54955792		0.207234	2.557103	0.011425	0.85071
cg18740509	chr5	1.77E+08		0.300221	2.558022	0.011396	0.85071
cg19907796	chr2	71134694		0.32185	2.560857	0.011307	0.85071
cg11497870	chr5	1.76E+08		-0.25584	-2.55575	0.011468	0.85071
cg21368609	chr8	91803657		0.316239	2.5608	0.011308	0.85071
cg14902168	chr4	1.86E+08		-0.2696	-2.5591	0.011362	0.85071
cg06192866	chr12	89748300		0.316819	2.551088	0.011616	0.85086
cg18593210	chr17	81021770	TBCD;WDR45B	-0.28544	-2.56545	0.011164	0.849699
cg26390889	chr5	33936462	TARS;DNAJC21;TC23L	0.323369	2.5593	0.011356	0.85071
cg17994050	chr6	30029062		-0.29437	-2.55006	0.011649	0.85086
cg23195510	chr16	67678593	RLTPR;ZDHHC1;GFOD2;CMTM4;TPPP3;CES4A;TSNAXIP1;RANBP10;SMPD3;ENKD1;RRAD	0.285017	2.557051	0.011426	0.85071
cg03965795	chr10	1.02E+08		0.283773	2.565267	0.011169	0.849699
cg00712409	chr1	33358057		-0.26242	-2.55065	0.01163	0.85086
cg08839267	chr3	1.33E+08		0.217031	2.563583	0.011222	0.85071
ch.12.1940337R	chr12	98721792		-0.41116	-2.55799	0.011397	0.85071
cg00896043	chr19	1228271		0.272955	2.566356	0.011136	0.848734
ch.8.1995451R	chr8	98920744		-0.45614	-2.55084	0.011624	0.85086
cg20556951	chr17	45934112		-0.2506	-2.55587	0.011464	0.85071
cg01200087	chr17	47865949		-0.23658	-2.55705	0.011426	0.85071

cg085298							
48	chr11	59383689		0.255989	2.55564	0.011471	0.85071
cg256852							
62	chr13	28493316		0.300544	2.55825	0.011389	0.85071
cg078125							
89	chr16	49195595		-0.3629	-2.55359	0.011536	0.85086
cg135651							
57	chr12	54943009		0.388551	2.551178	0.011613	0.85086
cg139557							
58	chr9	1.23E+08		-0.27266	-2.55415	0.011519	0.85071
cg185307							
12	chr2	1700694		-0.30151	-2.56015	0.011329	0.85071
cg053331							
49	chr22	29660173		0.155473	2.555657	0.011471	0.85071
cg066028							
71	chr16	66466186		-0.33371	-2.54929	0.011674	0.85086
cg042781							
62	chr6	30182172		-0.21998	-2.55651	0.011444	0.85071
cg176410							
28	chr4	1.57E+08		-0.33889	-2.55817	0.011391	0.85071
cg011618							
77	chr5	1.59E+08		-0.41431	-2.55237	0.011575	0.85086
cg105461							
76	chr5	34929404		0.232443	2.555313	0.011482	0.85071
cg050824		ENSG000002296					
93	chr10	29011520 05		0.263703	2.555817	0.011465	0.85071
cg158628		CYP46A1;SLC25A					
41	chr14	1.01E+08 29		0.297665	2.554929	0.011494	0.85071
cg071398							
11	chr2	1.76E+08		-0.18856	-2.55072	0.011628	0.85086
cg061398							
36	chr10	1.32E+08		-0.269	-2.55388	0.011527	0.85086
cg129735							
91	chr7	93519473		-0.33345	-2.5547	0.011501	0.85071
cg024460							
73	chr5	1.71E+08		0.263555	2.552333	0.011576	0.85086
cg216378							
84	chr3	57530016		0.219265	2.549674	0.011662	0.85086
cg134357							
92	chr12	15092434 ERP27		0.372054	2.556529	0.011443	0.85071
cg265382							
14	chr10	3827359		-0.21014	-2.54772	0.011725	0.851825
cg143524							
42	chr2	1.71E+08		-0.15432	-2.55379	0.01153	0.85086
cg255742							
27	chr10	73153701		-0.23912	-2.54984	0.011656	0.85086
cg010164							
59	chr16	53468960		-0.3832	-2.55318	0.011549	0.85086

cg230660							
57	chr15	62537934		-0.34505	-2.55553	0.011475	0.85071
cg231443							
76	chr22	46765431		-0.37595	-2.55699	0.011428	0.85071
cg124885							
86	chr5	1.78E+08		0.379665	2.564015	0.011208	0.850588
cg067699							
54	chr2	70376798		-0.5139	-2.56259	0.011253	0.85071
cg202535							
61	chr1	2.38E+08		-0.36451	-2.56514	0.011173	0.849699
cg001759							
87	chr18	72342044		-0.38842	-2.56049	0.011318	0.85071
cg049306							
30	chr16	86542422		0.470064	2.553231	0.011548	0.85086
cg062924							
44	chr8	42611544		0.247313	2.552911	0.011558	0.85086
cg219069							
11	chr17	18169035		-0.30679	-2.55061	0.011632	0.85086
cg092141							
12	chr14	99584421		0.390943	2.550752	0.011627	0.85086
cg203064							
25	chr17	2599789		-0.26873	-2.56057	0.011316	0.85071
cg173160							
96	chr7	1.58E+08		-0.43922	-2.55125	0.011611	0.85086
cg136022							
74	chr6	37667518 MDGA1		-0.41452	-2.54623	0.011773	0.852087
cg041394							
49	chr6	45631407		0.366358	2.560834	0.011307	0.85071
cg034747			IMPA2;CEP192;C				
02	chr18	12030535 HMP1B;GNAL		-0.35591	-2.56136	0.011291	0.85071
cg128390							
80	chr6	63984054		-0.27579	-2.55787	0.011401	0.85071
cg182312							
67	chr1	25229099		-0.34939	-2.55439	0.011511	0.85071
cg268310							
81	chr20	60640969		-0.16153	-2.54931	0.011673	0.85086
cg225994							
77	chr4	25507245		0.684022	2.551308	0.011609	0.85086
cg269205							
87	chr17	47841694		-0.28628	-2.55201	0.011587	0.85086
cg165760							
83	chr14	1.05E+08		-0.36081	-2.55227	0.011578	0.85086
cg009586							
76	chr8	9911641		0.172622	2.550087	0.011648	0.85086
cg102174							
49	chr4	44727930		-0.46582	-2.55839	0.011384	0.85071
cg018317							
67	chr12	1.12E+08 RN7SKP71		-0.20742	-2.552	0.011587	0.85086

cg271486							
65	chr15	40697782		-0.28056	-2.55987	0.011338	0.85071
cg108858							
76	chr6	1.63E+08		0.328818	2.554291	0.011514	0.85071
cg145776							
70	chr2	84105315		-0.27212	-2.55075	0.011627	0.85086
cg222110							
92	chr3	1.56E+08		0.432333	2.547899	0.011719	0.851825
cg073116							
94	chr11	68437927		-0.29157	-2.55232	0.011577	0.85086
cg165843							
93	chr18	14747888		0.500366	2.551604	0.0116	0.85086

cg203000			PARP15;ADCY5;P				
93	chr3	1.23E+08	DIA5	0.227924	2.555842	0.011465	0.85071
cg242280							
12	chr4	1.57E+08		0.236627	2.548765	0.011691	0.850884
cg266949							
90	chr6	32141146	RPL32P1	0.275983	2.55562	0.011472	0.85071
ch.15.811							
911R	chr15	59455505		0.35757	2.554966	0.011493	0.85071
cg162531							
15	chr19	33781998	C19orf40	-0.30131	-2.55273	0.011564	0.85086
cg146525							
49	chr2	1.82E+08		-0.2325	-2.54836	0.011704	0.851666
cg178228							
07	chr7	31107864		-0.34566	-2.55311	0.011552	0.85086
cg252602							
55	chr6	31670897	HLA-DQB1	-0.20014	-2.5515	0.011603	0.85086
cg236428							
26	chr1	6645463		-0.20584	-2.54952	0.011667	0.85086
cg243119							
47	chr1	28286409		0.16945	2.552271	0.011578	0.85086
cg266790							
04	chr10	88023135		0.563923	2.547152	0.011743	0.851825
cg235931							
45	chr1	1.11E+08		-0.18519	-2.55139	0.011607	0.85086

			METTL8;ITGA6;S				
			LC25A12;RAPGE				
			F4;ENSG000002				
cg161757							
03	chr2	1.73E+08	25205	0.413581	2.557808	0.011403	0.85071
cg140915							
89	chr4	1.13E+08	ANK2	0.261091	2.558171	0.011391	0.85071
cg037760							
34	chr3	1.54E+08		0.229211	2.549503	0.011667	0.85086
cg260729							
06	chr1	2.13E+08		0.285223	2.553308	0.011545	0.85086

cg166612							
34	chr17	10541620		-0.32677	-2.55846	0.011382	0.85071
cg175262							
29	chr11	20177746	ZDHHC13	0.330907	2.556275	0.011451	0.85071
cg055371							
70	chr16	89162885		-0.27177	-2.55442	0.01151	0.85071
cg262480							
66	chr11	70303464	SHANK2	-0.5125	-2.55007	0.011649	0.85086
cg000149							
98	chr2	1.77E+08		0.32037	2.549302	0.011674	0.85086
cg234982			ENSG000002326				
54	chr5	1270152	15	0.220903	2.556608	0.01144	0.85071
cg203032							
32	chr11	1.14E+08		0.295999	2.554601	0.011504	0.85071
cg184978							
11	chr4	14860861		-0.37371	-2.55048	0.011636	0.85086
cg238882							
40	chr15	72766291		-0.24903	-2.55479	0.011498	0.85071
cg126807							
19	chr3	29964869		-0.48358	-2.55206	0.011585	0.85086
cg043887							
67	chr16	89177789	GALNS	0.260812	2.547568	0.01173	0.851825
cg148214							
01	chr19	12273649		0.352736	2.54514	0.011809	0.852652
cg272985							
70	chr16	8623004		-0.31836	-2.54928	0.011674	0.85086
cg258237							
10	chr6	31603183		-0.18585	-2.55306	0.011553	0.85086
cg113050							
58	chr6	31509624		-0.2485	-2.54942	0.01167	0.85086
cg099914							
25	chr13	22622515		0.262073	2.549321	0.011673	0.85086
cg179399							
35	chr15	59646854		-0.29489	-2.5458	0.011787	0.852442
cg263432							
98	chr8	95960752		0.352584	2.548753	0.011691	0.850884
cg211747							
50	chr9	1.16E+08		0.233919	2.556993	0.011428	0.85071
cg243669							
13	chr2	61765510	PUS10	-0.29132	-2.54349	0.011862	0.852652
cg229870							
78	chr20	62550653		-0.25752	-2.55558	0.011473	0.85071
cg257133							
09	chr19	17337319		0.158539	2.547159	0.011743	0.851825
cg068205							
41	chr14	61185926		0.359107	2.552824	0.011561	0.85086
cg101039							
06	chr11	1.26E+08		-0.41397	-2.54992	0.011654	0.85086
cg145862							
58	chr2	66823365		-0.4204	-2.5517	0.011597	0.85086



cg260384							
65	chr22	38610514	SOX10	0.258863	2.55369	0.011533	0.85086
cg240699							
35	chr14	74226554		-0.22188	-2.55307	0.011553	0.85086
cg027155							
92	chr2	1.34E+08		-0.25555	-2.55139	0.011607	0.85086
cg274853							
34	chr17	4336413		-0.28659	-2.54481	0.011819	0.852652
cg220003							
30	chr17	14204485		-0.22181	-2.55081	0.011625	0.85086
cg165236							
55	chr6	30103301		-0.33913	-2.54901	0.011683	0.850871
cg000843							
38	chr6	1.71E+08		-0.64338	-2.55411	0.01152	0.85071
cg067744							
45	chr1	36793290		-0.24938	-2.54996	0.011653	0.85086
cg098693							
57	chr1	12613315		0.269074	2.554654	0.011502	0.85071
cg132503							
24	chr6	1.71E+08		-0.41435	-2.54497	0.011814	0.852652
cg159005							
19	chr3	12883503		-0.23906	-2.54594	0.011782	0.852377
cg150637							
15	chr1	10857436		-0.32217	-2.5518	0.011594	0.85086
cg085925							
27	chr10	98740981		-0.29297	-2.54181	0.011917	0.852652
ch.17.173							
0525R	chr17	65196202		-0.34518	-2.55532	0.011481	0.85071
cg074163							
25	chr2	1.25E+08		-0.29905	-2.54459	0.011826	0.852652
cg073082							
32	chr7	1071921		0.333271	2.549167	0.011678	0.85086
cg054840							
93	chr3	1.1E+08		-0.43739	-2.54905	0.011682	0.850871
cg070120			ENSG000002551				
62	chr11	76831780	35	-0.28009	-2.54697	0.011749	0.851825
cg052317							
06	chr7	6441810		0.299179	2.547067	0.011746	0.851825
cg020097							
94	chr12	1.31E+08		0.344623	2.547957	0.011717	0.851825
cg037116							
75	chr2	68869106		0.333382	2.549971	0.011652	0.85086

cg050506			TAL1;TMEM69;T SPAN1;PRDX1;IP P;GPBP1L1;STIL; AKR1A1;ENSG00 000225154;CYP4				
57	chr1	46957105	B1	0.320913	2.548852	0.011688	0.850884
cg045247							
70	chr16	946408		-0.2036	-2.54748	0.011732	0.851825
cg134068							
93	chr12	1.32E+08	GPR133	-0.67135	-2.55288	0.011559	0.85086
cg177251							
00	chr1	1.11E+08		-0.35316	-2.55093	0.011621	0.85086
cg145202							
80	chr1	2.43E+08		0.546897	2.5438	0.011852	0.852652
cg130980							
71	chr1	1.56E+08	SH2D2A	0.392586	2.556879	0.011432	0.85071
cg270913							
80	chr10	1.01E+08		0.211366	2.546561	0.011762	0.851825
cg140213							
73	chr9	1.24E+08		-0.28414	-2.56698	0.011116	0.848578
cg155760							
12	chr18	47117416		-0.32195	-2.54713	0.011744	0.851825
cg069235							
31	chr19	14542965		0.317765	2.553684	0.011533	0.85086
cg135828							
16	chr4	85404099		0.312871	2.550516	0.011635	0.85086
ch.5.3165							
702R	chr5	1.67E+08		-0.35239	-2.54675	0.011756	0.851825
cg097460							
44	chr15	44221832	TRIM69	-0.2331	-2.55121	0.011612	0.85086
cg266288							
21	chr11	12695578		-0.18674	-2.54683	0.011754	0.851825
cg030093							
97	chr11	278538		0.235875	2.55442	0.01151	0.85071
cg186914							
34	chr7	99775425		0.309391	2.547218	0.011741	0.851825
cg113286							
77	chr7	1.55E+08		-0.24022	-2.54569	0.011791	0.852442
cg086511							
24	chr1	23519990		-0.29062	-2.5463	0.011771	0.852087
cg033331			ENSG000002600 33;ENSG000002				
88	chr16	49496733	61267	0.220572	2.548856	0.011688	0.850884

cg156063							
88	chr17	42219409		0.190131	2.544935	0.011815	0.852652
cg201670							
74	chr1	1.52E+08	SELENBP1	-0.35223	-2.54709	0.011745	0.851825
cg255408							
45	chr19	1104476		-0.20588	-2.54443	0.011832	0.852652
cg185741							
44	chr19	2791705		0.244772	2.54423	0.011838	0.852652
cg060211							
89	chr6	28872284		-0.23993	-2.547	0.011748	0.851825
cg004755							
09	chr3	1.47E+08		0.225407	2.551157	0.011614	0.85086
cg120256							
90	chr13	1.08E+08		-0.30741	-2.55536	0.01148	0.85071
cg266875							
67	chr3	1.87E+08		0.287236	2.558035	0.011395	0.85071
cg142463							
35	chr13	84456547		0.321333	2.544741	0.011822	0.852652
cg025700							
04	chr2	48133748	FBXO11	-0.17624	-2.54361	0.011859	0.852652

			ZIK1;ZSCAN18;Z				
			NF671;ZNF418;Z				
			SCAN1;ZNF135;E				
			NSG0000017659				
			3;ZNF154;ZNF77				
cg254803			3;ZNF549;ZNF13				
79	chr19	58514497	4;ZNF606	0.260879	2.539843	0.011982	0.854151
cg041869							
80	chr5	79953697		-0.32476	-2.54564	0.011792	0.852442
cg128067							
97	chr12	14926572		0.393899	2.54495	0.011815	0.852652
cg118075							
29	chr1	17958884	PADI2;PADI3	0.490263	2.54739	0.011736	0.851825
cg230657							
15	chr2	2.2E+08		0.265181	2.542555	0.011893	0.852652
cg107663							
73	chr6	71666121		0.305903	2.54478	0.01182	0.852652
cg215217							
84	chr19	30716329		0.284048	2.547311	0.011738	0.851825
cg164439							
39	chr10	1.02E+08		-0.30171	-2.54317	0.011873	0.852652
cg123820							
45	chr11	18610448		-0.26545	-2.54913	0.011679	0.85086
cg042115							
01	chr16	85966435		-0.40854	-2.54321	0.011872	0.852652

cg219194							
92	chr7	1.43E+08		-0.30176	-2.5459	0.011784	0.852377
cg254719							
87	chr10	45123607		-0.41505	-2.54359	0.011859	0.852652
cg151987							
39	chr22	26908541		-0.20439	-2.5454	0.0118	0.852652
cg012514							
14	chr14	59927583		-0.29859	-2.55746	0.011413	0.85071
cg163049							
50	chr18	5543945		0.227362	2.54982	0.011657	0.85086
cg070876							
86	chr1	47691845		0.223345	2.541668	0.011922	0.852652
cg015542		ENSG000002346					
35	chr1	1.69E+08 04		0.2655	2.552598	0.011568	0.85086
cg169369							
44	chr6	31695970 TNXB;C6orf48		0.273084	2.540815	0.01195	0.853149
cg255600		ENSG000002473					
09	chr8	1.44E+08 17		0.32103	2.543068	0.011876	0.852652
cg255873							
50	chr4	88777309		-0.28917	-2.5501	0.011648	0.85086
cg088926							
00	chr1	2.24E+08		-0.32262	-2.54151	0.011927	0.852652
cg272664							
25	chr19	38893620		-0.18801	-2.54208	0.011909	0.852652
cg024888							
71	chr2	2.19E+08		0.238779	2.544509	0.011829	0.852652
cg238236							
60	chr10	77542429		0.333866	2.544833	0.011819	0.852652
cg068697							
55	chr11	68199683		0.293441	2.541827	0.011917	0.852652
cg131816		EHD3;DPY30;LCL					
95	chr2	31749899 AT1;SRD5A2		0.340754	2.555345	0.01148	0.85071
cg003341							
77	chr6	28511757		0.39815	2.549361	0.011672	0.85086
cg035419							
03	chr5	1.31E+08		0.435056	2.541512	0.011927	0.852652
cg149903							
66	chr2	1.53E+08		-0.38804	-2.54297	0.011879	0.852652
cg172423							
53	chr18	76189809		0.334352	2.549178	0.011678	0.85086
cg046480							
87	chr9	1.36E+08		-0.33569	-2.53717	0.012071	0.854782
cg032510							
54	chr16	81069293		0.391018	2.540302	0.011967	0.85348
cg275245							
80	chr1	10714469		-0.35177	-2.54371	0.011855	0.852652

			ELF5;CD44;LMO 2;ENSG0000025 1194;ENSG0000				
cg242531							
36	chr11	34535140	0184566;CD59	0.505641	2.548051	0.011714	0.851825
cg214293							
94	chr12	1.01E+08		0.236566	2.544603	0.011826	0.852652
cg174737							
94	chr19	9695226		-0.18816	-2.54615	0.011776	0.852091
cg195833							
79	chr17	78387643	CCDC40	0.293128	2.538049	0.012041	0.854416
cg144712							
44	chr14	80677608	DIO2	0.296839	2.542174	0.011905	0.852652
cg009386							
72	chr8	1.21E+08	ENPP2;SNTB1	-0.16207	-2.54469	0.011823	0.852652
cg236763							
02	chr2	1.77E+08		0.315929	2.545568	0.011795	0.852442
cg119060							
38	chr17	72450232		0.192436	2.542913	0.011881	0.852652
cg172289							
42	chr11	7041930		0.509368	2.535422	0.012129	0.854845
cg017903							
67	chr1	2.05E+08		-0.24725	-2.54652	0.011764	0.851825
cg233704							
66	chr5	1.81E+08		0.296678	2.547662	0.011727	0.851825

			LIMK1;CLIP2;ENS G00000232415;				
cg143301							
19	chr7	73668867	GTF2IRD2	-0.17683	-2.5416	0.011924	0.852652
cg181837							
74	chr15	75200015		-0.30564	-2.54249	0.011895	0.852652
cg048252							
63	chr20	58515566		-0.15604	-2.55087	0.011623	0.85086

			ZNF383;ZNF571-				
cg235047							
01	chr19	38210135	AS1	-0.30948	-2.53792	0.012046	0.854416
cg071694							
39	chr1	10874315		-0.3095	-2.53895	0.012012	0.854416
cg177972							
29	chr13	1.11E+08		0.588071	2.5421	0.011908	0.852652
cg208185							
28	chr17	4510743		-0.39605	-2.54232	0.011901	0.852652
cg004863							
40	chr4	4860026		0.298448	2.546676	0.011759	0.851825
cg210137							
45	chr4	7512425	ABLIM2	-0.31299	-2.54184	0.011916	0.852652

cg056212							
73	chr16	81070150	0.256938	2.54032	0.011966	0.85348	
cg209698							
46	chr20	61570221	0.293914	2.550045	0.01165	0.85086	
cg246204							
36	chr7	4918906	-0.62986	-2.54999	0.011652	0.85086	
cg151254							
72	chr19	36248077	0.294479	2.541804	0.011918	0.852652	
cg062975							
54	chr10	395173	-0.27178	-2.53875	0.012018	0.854416	
cg089168							
79	chr7	2946518 CARD11	-0.33737	-2.54918	0.011678	0.85086	
cg024552							
32	chr9	1.39E+08	0.300976	2.538118	0.012039	0.854416	
cg240033							
06	chr5	1799717	-0.21463	-2.53699	0.012077	0.854782	
cg262921							
50	chr3	1.96E+08	0.301042	2.546787	0.011755	0.851825	
cg032971							
92	chr17	32611642	0.253377	2.53421	0.012169	0.854845	
cg207326							
26	chr19	40562022 GMFG	-0.21992	-2.54651	0.011764	0.851825	
ch.17.157							
5954R	chr17	59575089	0.352063	2.543095	0.011875	0.852652	
cg061564							
48	chr1	1.55E+08	-0.2023	-2.54372	0.011855	0.852652	
cg022657							
58	chr5	767440	0.2758	2.542142	0.011907	0.852652	
cg150294							
02	chr3	1.84E+08	-0.32164	-2.53948	0.011994	0.854416	
cg248692							
72	chr11	850296	0.307314	2.533218	0.012202	0.854845	
cg240066							
54	chr1	41131970	0.303778	2.54304	0.011877	0.852652	
cg104922							
02	chr10	1.35E+08	0.239985	2.541551	0.011926	0.852652	
cg085437							
21	chr4	1.75E+08	0.480815	2.540841	0.011949	0.853149	
cg161535							
47	chr2	74725925 TET3	0.274186	2.547371	0.011736	0.851825	
cg058407							
07	chr5	1.74E+08	-0.35146	-2.54204	0.01191	0.852652	
cg047236							
79	chr15	62548919	-0.27584	-2.5547	0.011501	0.85071	
cg190288							
04	chr1	2.03E+08	-0.24768	-2.53941	0.011997	0.854416	
cg264309							
84	chr5	1.78E+08	-0.23951	-2.55257	0.011569	0.85086	
cg154548							
20	chr10	96990858	0.675266	2.538333	0.012032	0.854416	

cg153104							
92	chr11	30038677		0.595555	2.543925	0.011848	0.852652
cg116758							
81	chr10	1.02E+08		0.423431	2.537604	0.012056	0.854681
cg228347							
71	chr12	69754056		-0.3652	-2.54396	0.011847	0.852652
cg015090							
65	chr8	11550554		0.299941	2.542709	0.011888	0.852652
cg267484							
77	chr17	38516415	CASC3;GSDMB	-0.25455	-2.54085	0.011949	0.853149
cg220344							
32	chr1	85040327		-0.38012	-2.5386	0.012023	0.854416
cg124740							
54	chr18	76720981		-0.26412	-2.55032	0.011641	0.85086
cg234269							
12	chr6	30920836	LST1	-0.27273	-2.54377	0.011853	0.852652
cg175105							
64	chr2	2.4E+08		-0.36891	-2.54414	0.011841	0.852652
cg146293							
48	chr2	65455242		-0.21133	-2.54739	0.011735	0.851825
cg006985							
75	chr9	1.4E+08	C9orf139	-0.30783	-2.53815	0.012038	0.854416
cg045087							
01	chr6	1.38E+08		0.273971	2.539523	0.011993	0.854416
cg232979							
72	chr21	32624145		-0.28329	-2.54398	0.011846	0.852652
cg019774			CLDN11;TNIK;SL				
13	chr3	1.7E+08	C7A14;GPR160	-0.38937	-2.54621	0.011774	0.852087
cg132085							
62	chr21	34603264		-0.36836	-2.5467	0.011758	0.851825
cg089308							
81	chr10	99735202		0.439457	2.542567	0.011893	0.852652
cg086327							
67	chr15	25923673	GABRB3	-0.30056	-2.53632	0.012099	0.854782
cg040030							
47	chr4	26859326		0.150334	2.539367	0.011998	0.854416
cg194609							
09	chr13	1.13E+08	ATP11A	-0.24577	-2.54966	0.011662	0.85086
cg150637							
26	chr11	6452369	DNHD1	0.221934	2.536564	0.012091	0.854782
cg189358							
32	chr13	1.15E+08		0.258727	2.547054	0.011746	0.851825
cg236374							
94	chr3	1.39E+08	MRAS	0.378351	2.538113	0.012039	0.854416
cg269220							
38	chr14	23823028	ADCY4;DHRS4L2	-0.23853	-2.54161	0.011924	0.852652
cg145728							
08	chr19	2122047		-0.24549	-2.538	0.012043	0.854416

cg172906							
36	chr17	80831534		-0.35395	-2.5427	0.011888	0.852652
cg236178							
48	chr12	1.31E+08	GPR133	-0.51739	-2.54319	0.011872	0.852652
cg241712			EXPH5;C11orf65;				
39	chr11	1.09E+08	SLC35F2;DDX10	0.460259	2.541129	0.01194	0.852979
cg040019							
35	chr2	27294705		-0.19978	-2.53767	0.012054	0.854681
cg090366			DDX18P5;ENSG0				
21	chr11	1.3E+08	0000272412	-0.34415	-2.5445	0.011829	0.852652
cg205774							
79	chr1	44435428		0.230985	2.543239	0.011871	0.852652
cg079645							
53	chr4	1.13E+08		-0.40975	-2.53874	0.012019	0.854416
cg271521							
90	chr16	50096867		0.185336	2.54289	0.011882	0.852652
cg167812							
64	chr2	1.01E+08		0.459608	2.53288	0.012214	0.854845
cg143958							
92	chr9	79499202		-0.37956	-2.53944	0.011996	0.854416
cg225341							
05	chr1	12078836		-0.30673	-2.54025	0.011969	0.85348
cg122179							
54	chr11	33474484	PIGCP1	-0.30897	-2.53797	0.012044	0.854416
cg013330			TM7SF3;ENSG00				
11	chr12	28124665	000247903	-0.56124	-2.53651	0.012093	0.854782
cg110448							
23	chr5	64858848		-0.31465	-2.53716	0.012071	0.854782
cg118533							
20	chr13	28493913		0.298113	2.538356	0.012031	0.854416
cg129942							
33	chr11	69456562		0.229064	2.544287	0.011836	0.852652
cg012441							
34	chr2	25426151		-0.1915	-2.54199	0.011912	0.852652
cg133861							
09	chr6	1318667		-0.34465	-2.53794	0.012045	0.854416
cg198214							
75	chr12	1.32E+08		-0.34011	-2.54163	0.011923	0.852652
cg141383							
12	chr9	6869699		0.163254	2.545571	0.011795	0.852442
ch.10.543							
87284R	chr10	54717278		0.369999	2.542245	0.011903	0.852652
cg058105			ENSG000002146				
36	chr7	62528691	52	0.273867	2.534613	0.012156	0.854845



cg109544							
69	chr2	71115370		0.613681	2.538496	0.012027	0.854416
cg071411							
42	chr3	1.79E+08		-0.24477	-2.54772	0.011725	0.851825
cg239399							
32	chr2	2.43E+08		0.273199	2.539131	0.012006	0.854416
cg057693							
49	chr12	1.15E+08		0.276462	2.532481	0.012227	0.854845
cg042426							
50	chr17	40127892		-0.2153	-2.53954	0.011992	0.854416
cg228623							
19	chr1	3289994 TP73-AS1		-0.37385	-2.53507	0.01214	0.854845
cg070683							
58	chr16	25879737		0.430879	2.535436	0.012128	0.854845
cg142874							
43	chr2	3497093		0.295168	2.536601	0.01209	0.854782
cg015183							
57	chr15	65822686 MAP2K1		0.248737	2.541069	0.011942	0.852979
cg068364							
06	chr9	1.3E+08		0.309846	2.530465	0.012295	0.854926
cg273815							
57	chr7	4152953		-0.30928	-2.53624	0.012101	0.854815
cg232963							
92	chr10	72648329		-0.18869	-2.53107	0.012275	0.854845
cg263776							
30	chr11	1.31E+08		0.315869	2.531812	0.01225	0.854845
cg008713							
81	chr19	3879827		0.499418	2.536373	0.012097	0.854782
cg150778							
73	chr11	33691032		-0.28851	-2.53081	0.012283	0.854845
cg062394							
50	chr16	25118229		0.156123	2.536106	0.012106	0.854845
cg192726							
17	chr20	46415489		-0.19047	-2.53439	0.012163	0.854845
cg138658							
10	chr9	1.02E+08		0.281119	2.540664	0.011955	0.853361
cg229704							
35	chr6	44310228		0.211964	2.538163	0.012038	0.854416
cg166927							
32	chr4	99578720		-0.36006	-2.52806	0.012377	0.856047
cg067651							
72	chr22	36714496		-0.31348	-2.53751	0.012059	0.854681
cg276316							
38	chr2	1.39E+08		-0.27444	-2.5365	0.012093	0.854782
cg174200							
36	chr1	22182143		0.377629	2.544359	0.011834	0.852652
cg112488							
57	chr1	41251225		0.213195	2.541353	0.011932	0.852882
cg202970							
53	chr16	410274		-0.24383	-2.53243	0.012229	0.854845

cg205690							
70	chr2	2.33E+08		0.269604	2.536666	0.012087	0.854782
cg072239							
90	chr13	1.09E+08		0.375648	2.540266	0.011968	0.85348
cg262017							
87	chr12	77157648		-0.19475	-2.53319	0.012203	0.854845
cg274967							
93	chr2	46926433		-0.24437	-2.53788	0.012047	0.854416
cg030998							
32	chr4	1.43E+08		-0.40046	-2.53643	0.012095	0.854782
cg110864							
15	chr2	1.78E+08		-0.23968	-2.53457	0.012157	0.854845
cg159079							
65	chr10	89430272		-0.29162	-2.54342	0.011865	0.852652
cg133243							
11	chr7	1.56E+08		-0.34178	-2.53428	0.012167	0.854845
cg182946							
46	chr5	33937876		0.407944	2.534379	0.012164	0.854845
cg267971							
58	chr1	2.37E+08		0.730953	2.53236	0.012231	0.854845
cg074519							
26	chr11	1.25E+08		0.452427	2.532096	0.01224	0.854845
cg048500							
59	chr1	2.26E+08 TMEM63A		-0.31243	-2.53699	0.012077	0.854782
cg190926							
20	chr1	1.98E+08		-0.17952	-2.5431	0.011875	0.852652
cg216613							
92	chr19	19735040		-0.28323	-2.53379	0.012183	0.854845
cg270929							
86	chr12	7858592		0.564589	2.529793	0.012318	0.855722
cg243296							
58	chr6	30122023		0.333871	2.53253	0.012226	0.854845
cg157037							
90	chr1	1993510		0.292436	2.535828	0.012115	0.854845
cg257866							
51	chr7	1.51E+08 WDR86		-0.22315	-2.53096	0.012278	0.854845
			C14orf79;ADSSL				
			1;INF2;TMEM12				
			1;ENSG0000025				
cg204822							
80	chr14	1.06E+08 1602		0.507885	2.533723	0.012185	0.854845
cg089894							
41	chr17	10633067		0.15676	2.538732	0.012019	0.854416
cg268531							
26	chr12	1.07E+08		0.31692	2.533425	0.012195	0.854845
cg177259							
68	chr4	96761026		0.309258	2.535703	0.012119	0.854845
cg098339							
11	chr16	88701212 SLC7A5		-0.19379	-2.53739	0.012063	0.854782

cg177830							
86	chr17	62775188	0.335911	2.534487	0.01216	0.854845	
cg241567							
16	chr5	1.37E+08	0.279352	2.540168	0.011971	0.853529	
cg050125							
51	chr19	44716634	0.375114	2.53388	0.01218	0.854845	
cg195973							
82	chr4	1.48E+08	0.360086	2.532572	0.012224	0.854845	
cg169553							
18	chr11	1.24E+08	-0.2227	-2.53214	0.012239	0.854845	
cg136031							
13	chr9	1.13E+08	0.350102	2.531989	0.012244	0.854845	
cg262640							
08	chr3	44916102	-0.28123	-2.53697	0.012077	0.854782	
cg051982							
44	chr21	26732918	-0.40854	-2.53634	0.012098	0.854782	
cg229351							
49	chr22	38851884	-0.22114	-2.53921	0.012003	0.854416	
cg081670							
47	chr11	72463418	0.157896	2.531927	0.012246	0.854845	
cg075377							
34	chr4	1.58E+08	0.382071	2.530873	0.012281	0.854845	
cg247561							
70	chr17	40760822	-0.23116	-2.53448	0.01216	0.854845	
cg232396							
12	chr5	1.38E+08	0.277422	2.529754	0.012319	0.855722	
cg067205							
25	chr17	63097195	0.262776	2.54057	0.011958	0.85344	
cg252038							
85	chr2	87302643	-0.17289	-2.53536	0.012131	0.854845	
cg096993							
73	chr16	84822712	0.263475	2.535081	0.01214	0.854845	
cg066980							
53	chr12	1.33E+08	0.300466	2.529912	0.012314	0.855722	
cg064125							
55	chr12	1.3E+08	0.259068	2.535974	0.01211	0.854845	
cg083087							
25	chr4	1409543	0.407623	2.531379	0.012264	0.854845	
cg024230							
64	chr17	32484008	0.308672	2.532122	0.012239	0.854845	
cg169055							
86	chr3	49761211	-0.18933	-2.5375	0.01206	0.854681	
cg182977							
45	chr3	1.47E+08	-0.44375	-2.52973	0.01232	0.855722	
cg084487							
01	chr20	21686282	0.565785	2.533047	0.012208	0.854845	
cg200185							
63	chr15	92690264	0.326809	2.532637	0.012222	0.854845	

cg264653			ZNF134;ZIK1;ZN F549;ZNF329;PE				
91	chr19	58220773	G3;ZNF671	0.292846	2.533184	0.012204	0.854845
cg112190							
22	chr2	1.67E+08		-0.16623	-2.5361	0.012106	0.854845
cg186149			ITGAE;GSG2;TSR				
84	chr17	2652640	1	0.296721	2.53139	0.012264	0.854845
cg216216							
45	chr6	32809263	FKBPL	0.260527	2.527496	0.012396	0.856047
cg221258							
05	chr12	1.19E+08		0.638471	2.533919	0.012179	0.854845

cg114996			ST6GALNAC1;GR B2;MYO15B;AC OX1;UNK;LINC00				
99	chr17	74382495	338	0.216015	2.53285	0.012215	0.854845
cg109995							
98	chr5	1.26E+08		0.295196	2.530559	0.012292	0.854845
cg217765							
83	chr6	30923545	HCP5	-0.1979	-2.53168	0.012254	0.854845
cg003525			ENSG000002249				
76	chr9	1.35E+08	92	-0.31525	-2.53363	0.012189	0.854845
cg027459							
12	chr7	1.42E+08	TRBC2	0.379148	2.535623	0.012122	0.854845
cg126109							
17	chr19	46387992		0.408932	2.528454	0.012363	0.856047
cg031714			ENSG000002730				
65	chr2	99553830	45	0.347739	2.538184	0.012037	0.854416
cg094757							
41	chr3	42577716		0.307203	2.534761	0.012151	0.854845
cg118284							
30	chr1	1.73E+08	ZBTB37;GAS5	-0.19526	-2.53566	0.012121	0.854845
cg017974							
34	chr1	16968465		-0.24411	-2.52675	0.012421	0.856047
cg023180							
43	chr10	5302629		-0.38159	-2.5317	0.012253	0.854845
cg168048							
82	chr6	1.37E+08		-0.3321	-2.53645	0.012094	0.854782
cg083540							
53	chr17	30630872		-0.21049	-2.53143	0.012262	0.854845
cg073196							
05	chr2	1.14E+08		-0.36438	-2.53171	0.012253	0.854845
cg075810							
70	chr6	40291048	KIF6	-0.40831	-2.53245	0.012228	0.854845
cg025829							
25	chr5	78281734		0.263301	2.533251	0.012201	0.854845

cg149663							
46	chr14	1.04E+08		0.303776	2.538684	0.01202	0.854416
cg090462							
55	chr16	30662126		-0.23237	-2.53354	0.012192	0.854845
cg185532							
76	chr18	48328118		-0.27599	-2.52883	0.01235	0.856047
cg098875							
89	chr6	31702785		-0.27332	-2.52848	0.012362	0.856047
cg275754							
95	chr3	1.46E+08		-0.38953	-2.52563	0.012459	0.856047
cg129046							
80	chr3	1.83E+08		-0.24509	-2.53333	0.012199	0.854845
cg076437							
26	chr19	37178411	HKR1;SYNE4	-0.20085	-2.52489	0.012484	0.856285
cg216577							
05	chr17	61574500		-0.4077	-2.53786	0.012048	0.854416
cg175434							
69	chr7	2634897		-0.37734	-2.53079	0.012284	0.854845

			ABI3;HOXB4;HO				
			XB-				
cg222919			AS2;HOXB3;NXP				
22	chr17	46688729	H3	0.315584	2.531484	0.012261	0.854845
cg045224							
98	chr8	1.41E+08		0.289516	2.53332	0.012199	0.854845
cg103837							
24	chr11	12228521		-0.31185	-2.52598	0.012447	0.856047
cg247227							
49	chr1	24969476		-0.18797	-2.53287	0.012214	0.854845
cg047329							
10	chr12	69201696		0.169231	2.528547	0.01236	0.856047
cg130001							
36	chr5	34839819		0.329614	2.53532	0.012132	0.854845
cg078227							
75	chr15	1.02E+08		-0.3471	-2.53072	0.012286	0.854845
cg065210							
88	chr21	39039848		0.299019	2.528041	0.012377	0.856047
cg213047			ENSG000002698				
57	chr19	58850414	67	-0.1924	-2.53103	0.012276	0.854845
cg056590							
97	chr5	2757244		0.331639	2.530069	0.012308	0.855577
cg088614							
56	chr1	2.48E+08		0.719949	2.524469	0.012499	0.856285
cg052910							
69	chr10	1.26E+08		0.327256	2.533888	0.01218	0.854845
cg002328							
74	chr16	85588351		-0.18692	-2.52716	0.012407	0.856047
cg255019							
02	chr18	2913220		0.27914	2.530151	0.012306	0.855525

cg274717							
55	chr19	35842445		-0.26611	-2.53182	0.012249	0.854845
cg222905							
66	chr15	75105286		-0.20339	-2.52781	0.012385	0.856047
cg211707							
52	chr5	1.48E+08		0.256975	2.531542	0.012259	0.854845
cg034890							
16	chr2	2.3E+08 SP140		-0.38885	-2.54029	0.011968	0.85348
cg181440							
76	chr8	1130858		-0.31494	-2.5219	0.012587	0.856306

			ERN1;LIMD2;AC				
cg260074			E;MAP3K3;CD79				
45	chr17	62287566 B;RGS9		-0.4585	-2.52892	0.012347	0.856047
cg205880							
45	chr10	56561096		0.410615	2.52715	0.012407	0.856047
ch.17.507							
90467F	chr17	53435468		-0.42608	-2.52702	0.012412	0.856047
cg154149							
24	chr14	36291501		-0.39046	-2.54109	0.011941	0.852979
cg071384							
37	chr2	71787615 NAGK		0.387698	2.527403	0.012399	0.856047
cg250780							
26	chr6	28829931		0.307096	2.52619	0.01244	0.856047
cg014167							
24	chr8	23429097		-0.3056	-2.53513	0.012139	0.854845
cg067455							
07	chr15	44085196		-0.2543	-2.53227	0.012234	0.854845
cg195859							
18	chr6	54001665		-0.46744	-2.53414	0.012171	0.854845
cg208625							
99	chr8	65498440		0.29054	2.532689	0.01222	0.854845
cg212441							
77	chr1	63795848 ITGB3BP		0.272137	2.529047	0.012343	0.856047
cg249173							
59	chr17	77044255		0.375959	2.526316	0.012436	0.856047

			RASSF1;UBA7;EN				
cg093868			SG00000273356				
07	chr3	50375496 ;RHOA-IT1		0.290698	2.52789	0.012382	0.856047
cg181876							
75	chr1	61886560		0.305471	2.53443	0.012162	0.854845
cg096143							
49	chr10	3433533		-0.22762	-2.53457	0.012157	0.854845
cg243736							
08	chr3	1.04E+08		-0.31854	-2.53059	0.012291	0.854845
cg084026							
52	chr11	94501461		-0.21534	-2.52613	0.012442	0.856047

ch.6.6344							
6327R	chr6	63388368		-0.47977	-2.53666	0.012087	0.854782
cg273318							
71	chr11	2171478	MUC5AC	-0.35572	-2.52841	0.012365	0.856047
cg048952							
33	chr6	1.44E+08		0.369861	2.527015	0.012412	0.856047
cg026040							
18	chr3	1.28E+08		-0.32335	-2.52354	0.012531	0.856285
cg273059							
17	chr21	47396773		-0.34354	-2.52686	0.012417	0.856047
cg188770							
28	chr9	1.38E+08		-0.27452	-2.52715	0.012407	0.856047
cg117437							
95	chr3	57742983		0.31128	2.52964	0.012323	0.855751
cg267957			C1orf27;IVNS1A				
02	chr1	1.85E+08	BP	-0.32633	-2.5364	0.012096	0.854782
cg051433							
86	chr19	9213689		-0.31883	-2.52195	0.012586	0.856306
cg065011							
13	chr6	6534839		-0.3335	-2.52748	0.012396	0.856047
cg048262			ENSG000002218				
79	chr10	74386200	17	0.214763	2.536778	0.012084	0.854782
cg045242							
39	chr15	25320886		0.281722	2.523378	0.012536	0.856306
cg175144							
20	chr11	94226991		-0.21472	-2.52971	0.01232	0.855722
cg034290							
34	chr7	99613105		0.267497	2.529097	0.012341	0.856047
cg107661							
03	chr12	56842950		0.169102	2.535327	0.012132	0.854845
cg013900							
61	chr2	1.28E+08	GYPC	-0.32757	-2.52417	0.012509	0.856285
cg266668							
35	chr5	1.71E+08		0.288005	2.522081	0.012581	0.856306
cg078624			SIX1;SIX4;MNAT				
88	chr14	60977054	1;PCNXL4;PRKCH				
			;SLC38A6;C14orf				
			39;TMEM30B	0.389127	2.535183	0.012137	0.854845
cg133277			STX2;POLE;MMP				
85	chr12	1.32E+08	17;GPR133	0.884611	2.537903	0.012046	0.854416
cg067838							
14	chr4	47034753		-0.19208	-2.52586	0.012451	0.856047
cg005166							
16	chr17	78831863		-0.29852	-2.52539	0.012467	0.856182

cg104924							
17	chr16	89826417		-0.25502	-2.52461	0.012494	0.856285
cg172248							
92	chr17	1094496		-0.30744	-2.52388	0.012519	0.856285
cg257337							
56	chr19	5223299		-0.34308	-2.52502	0.01248	0.856285
cg055907							
55	chr1	23855149	GALE;C1QC	-0.27575	-2.53408	0.012174	0.854845
cg010374							
96	chr18	686346		-0.25738	-2.52263	0.012562	0.856306
cg074746			SPIRE2;RNF166; CBFA2T3;GAS8;S				
82	chr16	89573562	PATA33	0.433486	2.525792	0.012454	0.856047
cg017497							
18	chr12	5581281	CD9	0.330827	2.533238	0.012202	0.854845
cg049831							
51	chr2	2.02E+08		0.576101	2.522144	0.012579	0.856306
cg166350							
16	chr5	1.76E+08		-0.35523	-2.52557	0.012461	0.856047
cg090210							
39	chr22	45403893		-0.24278	-2.52711	0.012409	0.856047
cg018373							
75	chr19	13031108	CACNA1A	0.353067	2.530712	0.012287	0.854845
cg128635							
45	chr17	8869136		0.29673	2.531557	0.012258	0.854845
cg135395							
45	chr14	60973823		0.490265	2.522597	0.012563	0.856306
cg231049							
54	chr13	50701501	CDADC1	0.378469	2.527478	0.012396	0.856047
cg257299							
57	chr10	1.05E+08		-0.27235	-2.52815	0.012373	0.856047
cg154690							
14	chr19	11032172		-0.29444	-2.53072	0.012287	0.854845
cg170909							
68	chr12	46663694	PCED1B-AS1	0.477467	2.528491	0.012362	0.856047
cg223882							
60	chr16	14403138	NTAN1	0.444499	2.532237	0.012235	0.854845
cg222503							
90	chr3	5246986		0.410321	2.519804	0.01266	0.857095
cg134704							
99	chr1	1163192		0.253634	2.531797	0.01225	0.854845
cg027119							
75	chr2	1344122		0.376227	2.534497	0.01216	0.854845
cg137207							
44	chr22	21271392		-0.21566	-2.53303	0.012209	0.854845
cg112063							
12	chr10	1.04E+08		-0.18656	-2.52376	0.012523	0.856285



cg053746							
54	chr11	94134666	0.317755	2.524691	0.012491	0.856285	
cg032659							
91	chr16	66646895	0.25853	2.525567	0.012461	0.856047	
cg106435							
50	chr19	1603857	0.315672	2.524688	0.012491	0.856285	
cg139991							
43	chr4	6728799 TBC1D14	0.576101	2.520586	0.012633	0.856608	
cg204928							
68	chr1	42202048	-0.18772	-2.53066	0.012289	0.854845	
cg059562							
44	chr11	60787739	-0.28335	-2.52704	0.012411	0.856047	
cg201136							
93	chr19	55740757	0.273385	2.533199	0.012203	0.854845	
cg059391							
05	chr1	2.46E+08	-0.26735	-2.52608	0.012444	0.856047	
cg169844							
85	chr3	3218116	0.429264	2.523796	0.012522	0.856285	
cg095015							
16	chr1	1.63E+08	0.253069	2.531483	0.012261	0.854845	
cg273765							
48	chr3	32338292	0.223551	2.525685	0.012457	0.856047	
cg211485							
31	chr6	1.07E+08	0.453487	2.522832	0.012555	0.856306	
cg137596							
74	chr9	1.4E+08	0.385975	2.529265	0.012336	0.856047	
cg102746							
06	chr14	73118334	-0.33501	-2.52704	0.012411	0.856047	
cg094009							
85	chr14	38728932	-0.31577	-2.52244	0.012569	0.856306	
cg133266							
47	chr4	1.74E+08	0.378082	2.528057	0.012377	0.856047	
cg082354							
13	chr1	20305685	-0.22959	-2.51881	0.012694	0.857095	
cg080663							
76	chr11	59577361	0.362376	2.52618	0.01244	0.856047	
cg000125							
76	chr13	94568320 DCT;SOX21	-0.40765	-2.5259	0.01245	0.856047	
cg041778							
45	chr7	1.57E+08	-0.32668	-2.52467	0.012492	0.856285	
cg245067							
06	chr7	4169485	0.308608	2.527963	0.01238	0.856047	
cg268800							
55	chr6	84563098	0.311617	2.522331	0.012572	0.856306	
cg183985							
51	chr5	65633727 ADAMTS6	-0.51349	-2.5275	0.012396	0.856047	
cg132043							
25	chr12	1.31E+08	-0.37912	-2.5293	0.012334	0.856047	
cg192050		ENSG000002357					
41	chr6	1.44E+08 40	0.447819	2.529137	0.01234	0.856047	

cg006716							
00	chr20	61792443	C20orf195	-0.4276	-2.52656	0.012427	0.856047
cg265346							
77	chr8	27630505		-0.38024	-2.52055	0.012634	0.856608
cg201243							
76	chr19	2522340	ZNF57	-0.45988	-2.52399	0.012515	0.856285
cg155315							
62	chr11	65601754		0.698857	2.518442	0.012707	0.857095
cg257167							
40	chr17	49337652		-0.32087	-2.53417	0.012171	0.854845
cg270901							
91	chr3	1.2E+08		-0.23871	-2.52581	0.012453	0.856047
cg248241							
78	chr5	1.41E+08		0.280107	2.524126	0.012511	0.856285
cg271704							
58	chr16	89988252		0.199892	2.523498	0.012532	0.856285
cg241582							
59	chr11	58984544	MS4A6A;MPEG1	-0.41996	-2.52348	0.012533	0.856285
cg229338							
75	chr1	85187209		-0.2836	-2.52426	0.012506	0.856285
cg235016							
10	chr1	12891355		-0.3392	-2.52155	0.012599	0.8565
cg033746							
95	chr8	1.28E+08	POU5F1B	0.275757	2.517521	0.012739	0.857095
cg088092							
23	chr6	31134812		0.316452	2.524348	0.012503	0.856285
cg232363							
70	chr5	33892705		0.297425	2.524548	0.012496	0.856285
cg155492			TMEM189;MIR6				
31	chr20	49415761	45	0.469241	2.524877	0.012485	0.856285
cg045522							
35	chr10	1.12E+08		-0.19194	-2.51971	0.012663	0.857095
cg075296							
08	chr14	70041661		-0.2305	-2.52299	0.01255	0.856306
cg095574							
62	chr8	26721736		0.428927	2.526657	0.012424	0.856047
cg189631							
71	chr21	43442940		-0.28997	-2.52	0.012653	0.856951
cg046374							
78	chr5	1.41E+08		0.375278	2.526691	0.012423	0.856047
			IFT20;KIAA0100;				
cg157046			ENSG000002644				
99	chr17	26439377	69	-0.32471	-2.52269	0.01256	0.856306
cg265227							
92	chr2	1.28E+08		0.229145	2.526188	0.01244	0.856047
cg160169							
51	chr15	48624163		-0.29491	-2.52079	0.012625	0.8565
cg250282							
93	chr1	6528261		-0.24798	-2.51753	0.012739	0.857095

cg226630							
80	chr1	94375517		0.31708	2.531004	0.012277	0.854845
cg272942							
68	chr14	36983518		-0.3602	-2.52243	0.012569	0.856306
cg025862							
68	chr1	1.74E+08		0.279281	2.516803	0.012764	0.857596
cg159423							
68	chr7	1.39E+08		0.358464	2.515248	0.012818	0.857596
cg276330							
10	chr10	1.35E+08		0.369236	2.521266	0.012609	0.8565
cg145932							
37	chr9	1.35E+08		0.274387	2.52171	0.012594	0.8565
cg227484							
43	chr7	14030992		-0.21427	-2.52388	0.012519	0.856285
cg122662							
87	chr2	2.33E+08		0.291293	2.521647	0.012596	0.8565
cg258488							
27	chr1	7550111		0.473036	2.520334	0.012641	0.856861
cg112545							
73	chr8	1449634		-0.28054	-2.51524	0.012819	0.857596
cg135099							
34	chr9	1.39E+08		-0.35203	-2.52382	0.012521	0.856285
cg199323							
70	chr20	60495486		0.167512	2.522949	0.012551	0.856306
cg261347		ENSG000001500					
12	chr10	32348319 76		-0.32463	-2.52415	0.01251	0.856285
cg230853							
43	chr20	50159160		-0.36418	-2.52333	0.012538	0.856306
cg147708							
27	chr19	1775275		0.300589	2.519495	0.01267	0.857095
cg213486							
91	chr16	68057212		-0.20142	-2.51655	0.012773	0.857596
cg028296							
09	chr19	19030005		0.127558	2.526179	0.01244	0.856047
cg051003							
92	chr17	206474		-0.26435	-2.52099	0.012619	0.8565
cg094206							
91	chr21	43229483		0.369986	2.525463	0.012465	0.856152
cg136443							
17	chr18	70536461		0.420781	2.51897	0.012689	0.857095
cg141877		ENSG000002289					
12	chr2	2.42E+08 89		-0.26495	-2.51439	0.012848	0.857625
cg062285							
07	chr20	61637360		0.378095	2.513698	0.012873	0.857749
cg233217							
14	chr11	1.12E+08		-0.22924	-2.52399	0.012515	0.856285
cg064137							
94	chr12	1.26E+08		0.358139	2.524382	0.012502	0.856285
cg113106							
84	chr10	94832631		-0.29164	-2.52008	0.01265	0.856951

cg092889							
89	chr12	1.22E+08		0.371873	2.51825	0.012714	0.857095
cg145399							
78	chr6	28510532		0.352821	2.519596	0.012667	0.857095
cg049862							
36	chr2	2.42E+08		-0.2276	-2.52247	0.012567	0.856306
cg144596							
68	chr10	77542483		0.378462	2.518059	0.01272	0.857095
cg118148			TRAF4;TLCD1;AL				
26	chr17	26666694	DOC;SPAG5	-0.4394	-2.51853	0.012704	0.857095
cg182620							
51	chr7	1E+08		-0.27444	-2.52126	0.012609	0.8565
cg028880							
90	chr9	1.34E+08		-0.34603	-2.52202	0.012583	0.856306
cg030238							
67	chr1	1.1E+08		-0.21467	-2.52759	0.012393	0.856047
cg147847							
88	chr5	1.38E+08	SNORA74A	-0.18166	-2.52728	0.012403	0.856047
cg276650							
18	chr7	47698707		-0.20573	-2.51964	0.012665	0.857095
cg276382							
88	chr11	12071946		0.336872	2.5215	0.012601	0.8565
cg112318							
49	chr1	2.03E+08		-0.36625	-2.51846	0.012706	0.857095
cg142472							
22	chr11	68549334		-0.32176	-2.51683	0.012763	0.857596
cg177579							
80	chr10	46971495	Mar-08	0.260603	2.515685	0.012803	0.857596
cg250342							
74	chr15	81282230		-0.23156	-2.5162	0.012785	0.857596
cg266905							
11	chr3	1.55E+08		-0.41847	-2.51944	0.012672	0.857095
cg071517							
48	chr15	95867431		0.293457	2.525589	0.012461	0.856047
cg170151							
79	chr1	40543323		-0.33286	-2.52104	0.012617	0.8565
cg240444							
26	chr14	93699254		0.294012	2.521142	0.012613	0.8565
cg094340							
85	chr7	1.57E+08		0.438767	2.51686	0.012762	0.857596
cg239607							
23	chr10	11783974		0.383718	2.518878	0.012692	0.857095
cg117528							
29	chr6	32797232		0.341337	2.518708	0.012698	0.857095
cg261169							
50	chr12	41582017		0.29304	2.521192	0.012612	0.8565
cg030125							
21	chr8	9260335		-0.32779	-2.51897	0.012689	0.857095

cg182514							
17	chr7	1340592	PSMG3	-0.24467	-2.51926	0.012678	0.857095
cg084990							
46	chr11	31824327		0.29283	2.517984	0.012723	0.857095
cg262302							
45	chr1	11322756		0.223778	2.520162	0.012647	0.856951
cg261175							
70	chr2	1.61E+08		-0.42943	-2.52089	0.012622	0.8565
cg041321							
46	chr6	87862158		0.40897	2.516883	0.012761	0.857596
cg010592							
95	chr4	1.9E+08		-0.37592	-2.53064	0.012289	0.854845
cg118191							
21	chr21	37664031		-0.27002	-2.52285	0.012555	0.856306
cg132162							
67	chr18	77793342		-0.20136	-2.51632	0.012781	0.857596
cg267030							
66	chr11	10813944		0.191879	2.527979	0.012379	0.856047
cg029932							
59	chr14	89493561		0.189469	2.525167	0.012475	0.856285
cg011951							
27	chr2	32503081		0.200611	2.518966	0.012689	0.857095
cg192232							
99	chr6	1E+08		0.321041	2.511977	0.012933	0.858516
cg144620							
15	chr4	79860507		-0.22232	-2.52396	0.012516	0.856285
cg162620							
34	chr5	628091		-0.33931	-2.54117	0.011938	0.852979
cg005885							
59	chr19	1014481		-0.30633	-2.51789	0.012726	0.857095
cg215047							
57	chr11	1.19E+08		-0.23231	-2.52004	0.012652	0.856951
cg272351							
48	chr11	45376932		0.417159	2.525977	0.012447	0.856047
cg002105							
38	chr10	65245820		0.275338	2.523563	0.01253	0.856285
cg017190							
95	chr1	93811362		0.190518	2.52209	0.012581	0.856306
cg149185							
03	chr10	429999		-0.26221	-2.52032	0.012642	0.856861
cg071974							
93	chr11	9884649	SNORA23	0.389843	2.525968	0.012448	0.856047
cg038751							
56	chr10	1.35E+08		-0.22929	-2.51766	0.012734	0.857095
cg217898							
49	chr3	1.08E+08		-0.20231	-2.51821	0.012715	0.857095
cg228853							
67	chr2	68694660		-0.28386	-2.51526	0.012818	0.857596
cg001548							
88	chr12	85304514		0.358533	2.518715	0.012697	0.857095

cg159851							
91	chr10	18429357		-0.21146	-2.52074	0.012627	0.8565
cg000755							
07	chr17	26708226	LYRM9	0.248912	2.521931	0.012586	0.856306
cg011120							
35	chr2	1.05E+08		-0.37764	-2.5223	0.012574	0.856306
cg181954							
16	chr8	1.41E+08		-0.3422	-2.51054	0.012984	0.858727
cg036515							
83	chr1	33815695		-0.15337	-2.5288	0.012351	0.856047
cg032872							
07	chr2	1.32E+08		0.424702	2.52224	0.012575	0.856306
cg225092							
05	chr19	40441611		-0.2514	-2.52206	0.012582	0.856306
cg007776							
52	chr10	69835323	DDX50	0.312296	2.523698	0.012525	0.856285
cg105481							
63	chr15	1.01E+08		-0.38738	-2.52611	0.012443	0.856047
cg162590							
43	chr4	1.88E+08		-0.28581	-2.52128	0.012608	0.8565
cg106694							
24	chr3	11763340	HRH1	0.355125	2.52472	0.01249	0.856285
cg275558							
03	chr20	35402338		-0.18789	-2.52209	0.01258	0.856306
cg251396							
36	chr15	69084888		-0.24889	-2.51625	0.012783	0.857596
cg238562			ADAMTS10;KAN				
99	chr19	8555465	K3;CD320;FBN3	-0.29705	-2.52846	0.012363	0.856047
cg219191							
36	chr3	1.9E+08		-0.23653	-2.53791	0.012046	0.854416
cg102871							
11	chr14	1.02E+08		-0.38342	-2.51384	0.012868	0.857631
cg161762							
47	chr4	2936583		0.216218	2.515509	0.012809	0.857596
cg253292							
96	chr4	1.13E+08		-0.33151	-2.51568	0.012803	0.857596
cg124605							
41	chr15	41785560		-0.22987	-2.51308	0.012894	0.858163
cg095961							
16	chr7	25990026		0.302145	2.522317	0.012573	0.856306
cg064702							
51	chr20	60548479		0.263018	2.523197	0.012543	0.856306
cg264805							
84	chr13	62002615		-0.32102	-2.52404	0.012513	0.856285
cg216840							
12	chr6	1.01E+08	ASCC3	0.27204	2.52071	0.012628	0.8565
cg064605							
87	chr6	31650930		-0.26778	-2.5167	0.012767	0.857596

cg239507							
24	chr12	33593177		0.288144	2.511479	0.012951	0.858697
cg028010							
73	chr3	50388115		-0.19576	-2.51763	0.012735	0.857095
cg274209							
22	chr13	31506773		0.240695	2.513883	0.012866	0.857631
cg169515							
33	chr6	1.55E+08		0.326071	2.514821	0.012833	0.857596
cg119769							
25	chr17	12921492		0.206499	2.518066	0.01272	0.857095
cg092103							
36	chr8	1.41E+08		-0.36323	-2.5163	0.012781	0.857596
cg209956							
89	chr1	2.44E+08		0.296371	2.525264	0.012472	0.856285
cg068512							
15	chr7	3338498		0.262571	2.520755	0.012627	0.8565
cg035704							
17	chr12	1.32E+08		-0.32765	-2.51426	0.012853	0.857631
cg154652			ENSG000002361				
23	chr10	44185590	14;ZNF487	-0.16577	-2.52006	0.012651	0.856951
cg085542							
95	chr5	59189934		0.260836	2.514657	0.012839	0.857596
cg218883							
73	chr6	3175749		-0.36503	-2.51528	0.012817	0.857596
cg033172							
80	chr1	2.29E+08		-0.21648	-2.5124	0.012918	0.858516
cg045909							
78	chr10	97802941		0.324624	2.526328	0.012435	0.856047
cg235929							
47	chr1	63786306	ITGB3BP	0.269143	2.521096	0.012615	0.8565
cg003089							
84	chr4	1.04E+08	SLC39A8	0.367168	2.514948	0.012829	0.857596
cg220785							
60	chr17	36004621		0.246577	2.517358	0.012745	0.857315
cg045226							
94	chr19	7598942		-0.26326	-2.51045	0.012987	0.858776
cg072919							
58	chr2	26785531	PREB	0.236859	2.527129	0.012408	0.856047
cg138374							
81	chr6	1.6E+08		-0.16551	-2.5282	0.012372	0.856047
cg017528							
56	chr8	19471331		0.440951	2.514462	0.012846	0.857625
cg060437							
10	chr10	560371	IDI1;ADARB2	0.503024	2.518487	0.012705	0.857095
cg274688							
30	chr7	1.57E+08		-0.32031	-2.51186	0.012937	0.858516
cg240874							
47	chr12	1.33E+08		0.287483	2.518366	0.012709	0.857095

cg130473							
80	chr5	17485435		-0.31392	-2.52762	0.012391	0.856047
cg096492							
66	chr2	88583529		0.310388	2.516326	0.012781	0.857596
cg151391							
79	chr10	1.32E+08		-0.28846	-2.51703	0.012756	0.857596
cg154824							
22	chr16	66956240		0.392097	2.511713	0.012943	0.858615
cg209484							
72	chr5	1.4E+08		0.295782	2.517531	0.012739	0.857095
cg188097							
29	chr11	1302981		-0.35209	-2.51407	0.01286	0.857631
cg147500							
66	chr12	41582063		0.38296	2.519842	0.012658	0.857095
cg059882							
91	chr4	77506682	CCDC158;CDKL2	0.315433	2.513587	0.012877	0.857828
cg035789							
51	chr1	44678791	RNU5F-1;TIE1	-0.41467	-2.5147	0.012837	0.857596
cg166471							
69	chr18	9474995		0.179895	2.519202	0.01268	0.857095
cg005100							
87	chr10	7618556		0.288983	2.516411	0.012778	0.857596
cg193348							
95	chr19	18942619		0.170467	2.515156	0.012822	0.857596
cg243412							
54	chr7	1997329		0.32153	2.516129	0.012788	0.857596
cg011878							
83	chr3	1.87E+08		-0.25723	-2.51553	0.012808	0.857596
cg138661							
29	chr11	62623438		-0.15777	-2.51142	0.012953	0.858697
cg202332							
06	chr17	3854616	TRPV3;ITGAE	-0.28126	-2.5167	0.012767	0.857596
cg030975							
41	chr16	3185250		-0.13808	-2.51447	0.012845	0.857625
cg211813							
91	chr8	88886411		-0.40498	-2.51368	0.012873	0.857749
cg010476							
35	chr11	16761506		0.344404	2.516684	0.012768	0.857596
cg229980							
33	chr17	1394477		0.157079	2.512027	0.012932	0.858516
cg172365							
26	chr16	1179941	LMF1;TSC2	0.36218	2.516929	0.01276	0.857596
cg083543							
09	chr15	59063586		-0.17592	-2.51208	0.01293	0.858516
cg085008							
72	chr16	87990909		-0.3101	-2.51132	0.012957	0.858697
cg132975							
60	chr15	99320054	SYNM;TTC23	-0.44649	-2.51491	0.01283	0.857596
cg162218							
41	chr14	77279127		0.151527	2.509963	0.013005	0.858951



cg207205							
53	chr15	1.02E+08		0.204962	2.517566	0.012737	0.857095
cg218300							
03	chr11	1.34E+08		0.179996	2.512802	0.012904	0.858464
cg216000							
27	chr4	1.24E+08		-0.31846	-2.51395	0.012864	0.857631
cg079116							
82	chr1	51425659	AGBL4	-0.19895	-2.51306	0.012895	0.858163
cg035607							
97	chr7	1.06E+08		-0.17212	-2.5085	0.013057	0.859408
cg212734							
07	chr12	1.18E+08		-0.18232	-2.53301	0.012209	0.854845
cg078420							
62	chr16	3306524		-0.31538	-2.50756	0.01309	0.85948
cg161103							
14	chr1	2.46E+08		-0.29537	-2.51843	0.012707	0.857095
cg104333							
27	chr15	56209506	C15orf65	-0.52555	-2.51797	0.012723	0.857095
cg128343							
78	chr7	1.58E+08		-0.47419	-2.51608	0.012789	0.857596
cg186425							
76	chr16	74752765	FA2H	-0.37003	-2.51891	0.012691	0.857095
cg036149							
16	chr18	22007271		0.331581	2.514703	0.012837	0.857596
cg099951							
05	chr1	1.86E+08		0.328048	2.515029	0.012826	0.857596
cg134748			ENSG000002280				
77	chr9	5450724	97	-0.24541	-2.51203	0.012932	0.858516
cg158877							
09	chr7	1270976		0.345365	2.505138	0.013177	0.859741
cg232831							
87	chr4	8593019		-0.20603	-2.51211	0.012929	0.858516
cg026883							
59	chr11	2093768		-0.29881	-2.51218	0.012926	0.858516

			ENSG000002681				
			19;ZNF429;ENSG				
			00000268081;Z				
			NF493;ENSG000				
			00268416;ZNF2				
			08;VN1R83P;ZNF				
cg078006							
65	chr19	21657926	257	0.552292	2.509828	0.013009	0.858951
cg085251							
47	chr3	20049638		-0.3247	-2.51304	0.012896	0.858163
cg102107							
39	chr1	1.02E+08		-0.34361	-2.51545	0.012811	0.857596

cg261992							
41	chr17	59529486	0.455584	2.506815	0.013117	0.859541	
cg055161							
40	chr2	8977683	-0.13419	-2.51313	0.012893	0.858163	
cg181666							
36	chr5	1.79E+08	-0.28555	-2.5054	0.013167	0.859649	
cg067933							
77	chr22	51112536	-0.2458	-2.51261	0.012911	0.858516	
cg031838							
00	chr7	88423665	0.298672	2.521109	0.012614	0.8565	
cg065835							
77	chr5	1.16E+08	-0.4319	-2.51798	0.012723	0.857095	
cg052978							
54	chr22	50623687	0.388447	2.509796	0.013011	0.858951	
cg232197							
48	chr11	1.35E+08	-0.30728	-2.51554	0.012808	0.857596	
cg060841							
17	chr7	1.32E+08	-0.32281	-2.51436	0.01285	0.857625	
cg067727							
36	chr12	93397394 CRADD	0.306389	2.519514	0.01267	0.857095	
cg203654							
03	chr8	1.24E+08	0.244586	2.512008	0.012932	0.858516	
cg022389							
50	chr17	1505303	-0.16185	-2.51025	0.012994	0.858951	
cg149455							
78	chr20	3776324	-0.22759	-2.51394	0.012864	0.857631	
cg199243							
35	chr7	23338860	-0.19527	-2.51194	0.012935	0.858516	
cg115751							
31	chr21	26733563	-0.39403	-2.51535	0.012815	0.857596	
cg049735							
05	chr19	45202433 SNRPD2	0.247029	2.51128	0.012958	0.858697	
cg145961							
08	chr22	49146584	-0.41808	-2.51474	0.012836	0.857596	
cg144375							
34	chr11	64065031	0.285125	2.509571	0.013019	0.858951	
cg132764							
28	chr14	1.05E+08	-0.26892	-2.50991	0.013006	0.858951	
cg042461							
44	chr5	1.41E+08	0.430408	2.509415	0.013024	0.858951	
cg265022							
66	chr7	63395422	0.291686	2.509151	0.013034	0.859174	
cg181046							
74	chr18	60190218 TNFRSF11A	-0.14117	-2.50731	0.013099	0.859541	
cg068563							
78	chr2	1.61E+08	-0.34348	-2.51061	0.012982	0.858727	
cg253084							
27	chr11	10324739	-0.18311	-2.51793	0.012725	0.857095	
cg050730							
35	chr3	1.47E+08	0.206885	2.515272	0.012817	0.857596	

cg244653							
84	chr8	1.43E+08		0.317363	2.510586	0.012983	0.858727
cg162490							
10	chr7	1.58E+08		-0.24116	-2.5108	0.012975	0.858727
cg141951			FAM201A;ENSG				
15	chr9	38061778	00000233137	0.330363	2.517595	0.012736	0.857095
cg191905							
19	chr11	1.23E+08		0.273144	2.515517	0.012809	0.857596
cg087716							
94	chr2	2.28E+08		-0.38401	-2.51287	0.012902	0.858438
cg102393							
88	chr7	70596308		0.326788	2.504662	0.013194	0.859763
cg088615							
41	chr11	2610149		-0.31462	-2.51456	0.012842	0.857625
cg127864			LIMD2;TANC2;E				
52	chr17	62309293	RN1;CD79B;ICA	-0.40449	-2.52224	0.012576	0.856306
cg218779			M2				
07	chr11	1.32E+08		0.382787	2.513107	0.012894	0.858163
cg002921							
35	chr7	1.56E+08	C7orf13	0.453271	2.502365	0.013277	0.859763
cg049630							
66	chr8	1.46E+08		0.193467	2.511812	0.012939	0.858516
cg005004							
57	chr22	39055589		-0.33275	-2.50486	0.013187	0.859763
cg081640							
06	chr9	1.39E+08		0.295579	2.503449	0.013238	0.859763
cg031427							
51	chr20	60775169		0.301338	2.506885	0.013114	0.859541
cg174602							
04	chr17	81045863		-0.29665	-2.5075	0.013092	0.85948
cg170096							
79	chr11	17005117		0.192821	2.511956	0.012934	0.858516
cg154577							
45	chr14	72399553		0.337058	2.504431	0.013202	0.859763
cg153826							
20	chr5	76921025		-0.49767	-2.50232	0.013278	0.859763
cg113650							
72	chr5	1.54E+08		-0.39256	-2.51751	0.012739	0.857095
cg099718							
81	chr14	79880024		-0.37535	-2.50441	0.013203	0.859763
cg059696							
97	chr9	95527975		-0.26049	-2.51506	0.012825	0.857596
cg199190							
62	chr3	33155195		0.297971	2.511355	0.012955	0.858697
cg134036							
95	chr15	25439493		-0.34577	-2.50395	0.01322	0.859763

cg174011							
06	chr20	3650493		-0.15842	-2.51116	0.012962	0.858727
cg207542							
61	chr2	468330		0.499397	2.50584	0.013152	0.859541
cg199723							
12	chr11	77921474		0.332925	2.51053	0.012985	0.858727
cg053078							
19	chr1	53236957		-0.33449	-2.50602	0.013145	0.859541
cg067753							
61	chr4	1.41E+08		-0.48489	-2.5075	0.013092	0.85948

			HSH2D;JAK3;FCH				
cg080660			O1;DDA1;ENSGO				
35	chr19	16999614	0000269640	-0.37633	-2.50568	0.013157	0.859541
cg059350							
75	chr1	91587141	TGFBR3	-0.32757	-2.51019	0.012997	0.858951
cg068683							
77	chr6	33284360		0.243534	2.506494	0.013128	0.859541
cg154857							
28	chr9	79521359		0.278966	2.509584	0.013018	0.858951
cg249448							
20	chr11	61723377		0.272082	2.505826	0.013152	0.859541
cg227085							
08	chr1	1.54E+08		0.302971	2.504487	0.0132	0.859763
cg008981							
47	chr14	21994785		0.374573	2.505237	0.013173	0.859741
cg144143							
16	chr22	38808468		0.19761	2.506053	0.013144	0.859541
cg141767							
52	chr6	1.01E+08		0.29631	2.510643	0.012981	0.858727
cg155782							
50	chr6	14844922		-0.23884	-2.51206	0.01293	0.858516
cg182205							
60	chr2	17936424		-0.40049	-2.50847	0.013058	0.859408
cg127930							
96	chr6	1.64E+08		0.570732	2.510615	0.012982	0.858727
cg086448							
97	chr13	1.13E+08	ATP11A	-0.29675	-2.51073	0.012978	0.858727
cg138516							
41	chr6	33289007		0.198877	2.513153	0.012892	0.858163
cg143786							
59	chr8	8860465	FAM86B3P	-0.19504	-2.50263	0.013267	0.859763
cg001553							
97	chr1	2.41E+08		0.254493	2.515103	0.012823	0.857596
cg142234							
44	chr9	1E+08		0.290985	2.518614	0.012701	0.857095
cg089501							
05	chr9	96622335		-0.30203	-2.506	0.013146	0.859541

cg167986							
86	chr3	61318369		-0.34248	-2.51059	0.012982	0.858727
cg158330							
99	chr2	1.33E+08		0.74795	2.507352	0.013098	0.859541
cg052721							
65	chr6	1.56E+08		-0.26163	-2.50762	0.013088	0.85948
cg011580							
94	chr3	1.26E+08		-0.28092	-2.50576	0.013155	0.859541
cg229819							
26	chr19	58102673		-0.3412	-2.50191	0.013293	0.859933
cg045181		ENSG000002363					
86	chr11	77299962 04		0.615059	2.511854	0.012938	0.858516
cg028056							
65	chr12	49484932 FMNL3		0.38378	2.51314	0.012892	0.858163
cg217128							
30	chr22	24989335		0.304547	2.5098	0.01301	0.858951
cg161439							
10	chr20	34319989		0.339526	2.506936	0.013112	0.859541
ch.13.914							
371F	chr13	63674621		-0.47419	-2.50424	0.013209	0.859763
cg104854							
47	chr1	2.08E+08		0.239323	2.50802	0.013074	0.85948
cg159807							
97	chr6	1.38E+08		0.310987	2.507255	0.013101	0.859541
cg078719							
47	chr20	44657796 UBE2C;ZNF663P		0.326221	2.508163	0.013069	0.85948
cg235332							
17	chr4	896886		-0.18559	-2.5125	0.012915	0.858516
cg164313							
52	chr2	1.1E+08 BUB1;SH3RF3		-0.35912	-2.50895	0.013041	0.859174
cg140933							
35	chr11	1.23E+08		0.481978	2.502746	0.013263	0.859763
cg110740							
70	chr2	80557293		-0.29574	-2.50906	0.013037	0.859174
cg172965							
95	chr15	93261888		-0.38187	-2.50723	0.013102	0.859541
cg068138							
62	chr12	89346059		-0.27645	-2.50945	0.013023	0.858951
cg203181							
66	chr15	85360664		0.405082	2.509533	0.01302	0.858951
cg054296							
86	chr10	1.32E+08		0.239796	2.509511	0.013021	0.858951
cg235834							
54	chr6	30582333		0.363803	2.507572	0.01309	0.85948
cg256723							
18	chr8	1.45E+08		-0.18378	-2.51063	0.012981	0.858727
cg062776							
97	chr16	75241305		-0.24597	-2.50801	0.013074	0.85948
cg026502							
66	chr4	1.48E+08		0.296664	2.514088	0.012859	0.857631

cg236825							
43	chr17	61920421		-0.20011	-2.50873	0.013049	0.859367
cg270790							
57	chr10	1.34E+08		-0.24202	-2.52658	0.012427	0.856047
cg089072							
57	chr16	2223188		-0.21259	-2.51423	0.012854	0.857631
cg265672							
49	chr8	97247842		-0.30649	-2.50092	0.013329	0.860353
cg155456							
60	chr12	55420538		-0.31015	-2.5027	0.013265	0.859763
cg232072							
44	chr11	69813323		-0.38348	-2.50168	0.013301	0.86012
cg016911							
60	chr4	1.56E+08		-0.3968	-2.50988	0.013008	0.858951
cg088655							
22	chr12	1.14E+08		0.366503	2.504333	0.013206	0.859763
cg178360							
14	chr2	2.02E+08		-0.29082	-2.50879	0.013047	0.859366

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18	chr19	58516100	NF549	0.691835	2.499802	0.01337	0.860784
cg267087							
24	chr4	1.88E+08		-0.36227	-2.50628	0.013136	0.859541
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97	chr2	2.4E+08		-0.25229	-2.50715	0.013105	0.859541

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60	chr3	1.94E+08	GP5	0.328027	2.521183	0.012612 0.8565
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81	chr11	58904901		-0.29921	-2.50618	0.01314 0.859541
cg121829						
71	chr6	1.66E+08		-0.30275	-2.5078	0.013081 0.85948
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89	chr12	1.07E+08		0.247282	2.506896	0.013114 0.859541
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70	chr1	2.26E+08		-0.30958	-2.49926	0.01339 0.860784
cg078687						
15	chr4	1.13E+08		-0.19157	-2.50957	0.013018 0.858951
cg205889						
46	chr11	85338795		-0.32946	-2.50435	0.013205 0.859763
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09	chr10	44101714		0.292035	2.5079	0.013078 0.85948
cg037430						
37	chr7	1.35E+08		-0.41708	-2.50576	0.013154 0.859541
cg062191						
25	chr16	24373675	GGA2;ERN2	-0.38201	-2.5024	0.013276 0.859763
cg204915						
79	chr12	1.3E+08		-0.32882	-2.50525	0.013173 0.859741
cg014092						
07	chr12	1.18E+08		0.297277	2.508429	0.013059 0.859408
cg157006						
36	chr11	57156050		-0.25896	-2.50253	0.013271 0.859763
cg037267						
39	chr5	1.68E+08	TENM2	-0.40267	-2.51006	0.013001 0.858951
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02	chr16	87616984	SLC7A5	-0.23475	-2.50069	0.013338 0.860648
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51	chr15	69745063		0.250914	2.506427	0.013131 0.859541
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04	chr8	62052409		0.360176	2.50217	0.013284 0.859763
cg209556						
88	chr8	1.34E+08		-0.40761	-2.5109	0.012972 0.858727
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06	chr2	1.32E+08		0.334225	2.496974	0.013473 0.862597
cg263193						
43	chr19	5623198		-0.19357	-2.50667	0.013122 0.859541
cg093144						
34	chr6	31632207		0.282861	2.508926	0.013041 0.859174
cg062923						
04	chr8	9761905		0.277291	2.514017	0.012862 0.857631
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66	chr15	65708918		-0.28546	-2.51229	0.012922 0.858516
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85	chr7	1E+08		-0.22681	-2.50892	0.013042 0.859174
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87	chr3	88107415		0.254548	2.514756	0.012836 0.857596

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cg072653							
00	chr2	24346000		-0.2727	-2.50771	0.013085	0.85948
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34	chr11	61584717		0.256863	2.503211	0.013246	0.859763
cg032183							
03	chr19	45596386		-0.16781	-2.49861	0.013413	0.861
cg204698							
79	chr19	37739757		-0.29682	-2.5071	0.013107	0.859541
cg139374							
62	chr11	624908		-0.35599	-2.5022	0.013283	0.859763
cg018812							
87	chr7	1.05E+08		0.569822	2.502173	0.013284	0.859763
cg003391							
04	chr7	32930089		-0.30452	-2.49946	0.013382	0.860784

cg144119			DOPEY2;TTC3;CB				
29	chr21	37500450	R3-AS1;HLCS	0.537031	2.508641	0.013052	0.859395
cg261280							
79	chr12	1.27E+08	LINC00943	0.286477	2.5058	0.013153	0.859541
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42	chr3	38071578		0.229173	2.499592	0.013377	0.860784

			ANKRD36C;LINC				
cg004992			00342;NEURL3;L				
37	chr2	97169033	MAN2L;FER1L5	0.425154	2.50648	0.013129	0.859541
cg104689							
51	chr3	50315816		-0.21636	-2.50706	0.013108	0.859541
cg263737			ENSG000002061				
16	chr8	53474030	44	0.319969	2.504605	0.013196	0.859763
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58	chr8	42199343		0.259817	2.50949	0.013021	0.858951
cg045784							
70	chr17	25620944		-0.24354	-2.50229	0.01328	0.859763
cg161208							
33	chr17	72443085	CD300A	0.218713	2.507962	0.013076	0.85948
cg247157							
67	chr1	14136518	PDPN	0.293358	2.506183	0.013139	0.859541
cg105833							
22	chr15	66350184		-0.37739	-2.50273	0.013264	0.859763
cg223408							
07	chr1	61378118		-0.43287	-2.50913	0.013034	0.859174
cg180176							
27	chr6	52268072		-0.36566	-2.50237	0.013276	0.859763
cg147181							
70	chr2	2.2E+08		0.313698	2.499183	0.013392	0.860784



cg142138							
14	chr13	49879669	0.327149	2.510548	0.012984	0.858727	
cg119899							
49	chr10	32398550	0.282888	2.5065	0.013128	0.859541	
cg228839							
19	chr12	48154459	0.395832	2.500178	0.013356	0.860658	
cg038303							
29	chr6	1.01E+08	0.287828	2.500572	0.013342	0.860648	
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53	chr1	2.47E+08	0.259101	2.505998	0.013146	0.859541	
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19	chr3	1.02E+08	0.183282	2.51466	0.012839	0.857596	
cg085873							
13	chr8	1.3E+08 FAM49B	-0.49459	-2.50363	0.013231	0.859763	
cg017591							
36	chr6	27242945	0.462984	2.503521	0.013235	0.859763	
cg052262							
92	chr8	71520850 EYA1	-0.16741	-2.5035	0.013236	0.859763	
cg141665							
20	chr6	31532351	-0.20721	-2.49859	0.013414	0.861	
cg193820							
19	chr19	48796188	-0.25718	-2.50361	0.013232	0.859763	
cg243930							
84	chr13	89815421	-0.3546	-2.50182	0.013297	0.859933	
cg070468							
85	chr11	64691615	0.283358	2.500932	0.013329	0.860353	
cg160575							
98	chr2	1.73E+08 PDK1	-0.33011	-2.50811	0.013071	0.85948	
ch.4.7269							
1992R	chr4	72473128 UTP3	-0.2763	-2.50894	0.013041	0.859174	
cg127243							
57	chr11	66790285	0.339987	2.500612	0.01334	0.860648	
cg180621							
96	chr17	57642675	0.463572	2.500964	0.013328	0.860353	
cg096291							
93	chr16	691570	0.291492	2.499236	0.01339	0.860784	
cg046870							
40	chr8	1.42E+08	-0.41949	-2.51551	0.012809	0.857596	
cg099343							
65	chr12	57472611	-0.39192	-2.50422	0.01321	0.859763	
cg072321							
03	chr12	1.13E+08	-0.34493	-2.4997	0.013374	0.860784	
cg050479							
08	chr7	1.57E+08	-0.23985	-2.49881	0.013406	0.861	
cg071818							
62	chr12	4405584	0.196681	2.505632	0.013159	0.859541	
cg093649							
80	chr19	29455913	-0.41785	-2.50773	0.013084	0.85948	
cg039703							
19	chr7	1274752	-0.31172	-2.49886	0.013404	0.861	

cg050596							
07	chr17	65488100		-0.34366	-2.499	0.013399	0.860963
cg101220							
79	chr1	38232225		0.539147	2.500446	0.013346	0.860658
cg022809							
08	chr2	28615925		-0.24804	-2.50797	0.013075	0.85948
cg087130							
73	chr5	1.41E+08		0.41809	2.502627	0.013267	0.859763
cg240327			ENSG000002575				
10	chr14	1.05E+08	56;TRMT61A	-0.32428	-2.50281	0.013261	0.859763
cg187037							
21	chr10	75282672	PLAU	-0.37516	-2.50026	0.013353	0.860658
cg218076							
94	chr1	17248050	NECAP2	0.333067	2.50111	0.013322	0.860353
cg109914							
75	chr11	1.35E+08		-0.48175	-2.50291	0.013257	0.859763
cg211912							
41	chr8	63385433		0.315148	2.50004	0.013361	0.86072
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96	chr11	20181725	60	0.454442	2.500559	0.013342	0.860648
cg007447							
39	chr2	2.41E+08		-0.52895	-2.4974	0.013457	0.862188
cg215453							
90	chr7	96627190		0.328009	2.50223	0.013282	0.859763
cg202077							
15	chr17	77361608		-0.31632	-2.50135	0.013314	0.860353
cg120385							
21	chr19	2111714		0.221326	2.500205	0.013355	0.860658
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cg143112							
45	chr17	17106170		-0.28653	-2.50309	0.013251	0.859763
cg111414							
63	chr7	1.16E+08		0.361308	2.50355	0.013234	0.859763
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12	chr19	36435729	ZNF382	0.263685	2.506213	0.013138	0.859541
cg109852							
81	chr3	1.95E+08		0.268204	2.497384	0.013458	0.862188
cg220588							
55	chr6	27064968		0.231133	2.497987	0.013436	0.861515
cg186246							
36	chr10	91295358		-0.28095	-2.49602	0.013508	0.862697
cg102331							
33	chr1	2.28E+08		0.432421	2.505505	0.013164	0.859541
cg266006							
53	chr7	1.58E+08		0.270278	2.505814	0.013153	0.859541
cg156493							
84	chr2	1.39E+08		-0.35135	-2.50151	0.013308	0.860353

cg093783							
39	chr10	73078610		-0.28081	-2.49676	0.013481	0.862697
cg148736							
99	chr7	1.51E+08		0.250296	2.496008	0.013508	0.862697
cg182835							
54	chr12	1.24E+08		-0.30619	-2.50515	0.013177	0.859741
cg189942							
50	chr4	6107021		0.375404	2.498607	0.013413	0.861
cg079250							
66	chr1	1.01E+08		0.308183	2.50473	0.013192	0.859763
cg250202							
93	chr8	1.31E+08		-0.32889	-2.49838	0.013422	0.861296
cg126254							
37	chr5	70991040	MCCC2;ZNF366	-0.38928	-2.49972	0.013373	0.860784
cg059008							
83	chr18	13217421		-0.15111	-2.50141	0.013311	0.860353
cg015823							
96	chr5	53817963		-0.35069	-2.50437	0.013205	0.859763
cg185855							
60	chr14	70236546		0.337406	2.49447	0.013565	0.862987
cg246827							
60	chr11	97588992		0.28504	2.502891	0.013258	0.859763
cg203998							
71	chr7	27204663		0.263989	2.504161	0.013212	0.859763
cg115980							
62	chr8	1.42E+08		0.30027	2.50192	0.013293	0.859933
cg051408							
06	chr7	1.56E+08		0.324866	2.500046	0.013361	0.86072
cg084324							
52	chr11	64658936		-0.19744	-2.4993	0.013388	0.860784
cg086114							
02	chr4	80933006		-0.39547	-2.50033	0.013351	0.860658
cg261695							
58	chr3	1.14E+08		0.220055	2.505503	0.013164	0.859541
cg078589							
05	chr7	50450266		0.308041	2.501029	0.013325	0.860353
cg206790							
84	chr10	28966475		-0.19778	-2.49626	0.013499	0.862697
cg068260							
39	chr1	2.04E+08		-0.21556	-2.51136	0.012955	0.858697
cg083765							
30	chr6	1.63E+08		-0.46383	-2.50299	0.013254	0.859763
cg206380							
16	chr11	1.23E+08		0.34179	2.504102	0.013214	0.859763
cg182482							
73	chr17	77896431	C1QTNF1;TIMP2	-0.27939	-2.4982	0.013428	0.861296
cg193456							
02	chr11	1.26E+08	CDON	-0.36086	-2.49708	0.013469	0.862597
cg041732							
52	chr2	1.31E+08		-0.17093	-2.49209	0.013653	0.863931

cg080696							
75	chr12	1.33E+08		0.327079	2.503194	0.013247	0.859763
cg060987							
61	chr1	2.1E+08		-0.21992	-2.4953	0.013535	0.862697
cg049394							
96	chr10	75669647	PLAU;ADK	-0.40101	-2.49819	0.013428	0.861296
cg196869							
40	chr10	1.28E+08		0.333559	2.493792	0.01359	0.863107
cg175251							
02	chr14	29236221		0.414547	2.501045	0.013325	0.860353
cg047077							
03	chr2	2.31E+08		-0.2392	-2.50777	0.013083	0.85948
cg044586							
70	chr5	5421681		0.413183	2.495883	0.013513	0.862697
cg267475							
17	chr16	89344383		-0.25667	-2.49258	0.013635	0.863902
cg081665							
87	chr12	2696048	WNT5B	-0.32089	-2.49995	0.013364	0.860784
cg185033							
87	chr17	55927006		-0.35064	-2.49662	0.013486	0.862697
cg210126							
47	chr2	2.02E+08		-0.20957	-2.50319	0.013247	0.859763
cg006085							
34	chr15	40986962		-0.19276	-2.49572	0.013519	0.862697
cg050859							
73	chr11	65340056		0.132296	2.499062	0.013397	0.860938
cg066721							
20	chr16	85932383	IRF8;FOXL1	0.316071	2.500514	0.013344	0.860648
cg172275							
03	chr17	80012407		-0.17844	-2.50419	0.013211	0.859763
cg026037							
26	chr16	18812963		0.185238	2.496568	0.013488	0.862697
cg214604							
02	chr11	8285031		-0.30711	-2.50221	0.013283	0.859763
cg010755							
59	chr1	2537774	MMEL1	-0.26181	-2.4939	0.013586	0.862987
cg056716							
36	chr5	1.79E+08		-0.32486	-2.5012	0.013319	0.860353
cg106837							
75	chr6	1.44E+08		0.365345	2.492235	0.013647	0.863902
cg080811							
56	chr8	1.02E+08		-0.23035	-2.49445	0.013566	0.862987
ch.4.1857							
53098R	chr4	1.86E+08		-0.94194	-2.4911	0.01369	0.86447
cg063921							
26	chr2	2.29E+08		-0.36391	-2.49882	0.013405	0.861
cg122626							
98	chr22	45704988	FAM118A	0.33967	2.495407	0.01353	0.862697
cg043803							
32	chr7	1.05E+08		0.395233	2.493957	0.013584	0.862987

cg271053							
90	chr19	23253316		0.332341	2.492727	0.013629	0.863902
cg169493							
78	chr17	2276201		-0.21382	-2.4971	0.013468	0.862597
cg119773							
26	chr1	44820970		0.149153	2.495561	0.013525	0.862697
cg133125							
76	chr3	1.12E+08		-0.3742	-2.49643	0.013493	0.862697
cg203136							
42	chr12	74688000		-0.44024	-2.49296	0.01362	0.863902
cg149180							
19	chr12	1.3E+08		-0.34533	-2.49459	0.01356	0.862987
cg029383							
20	chr2	2.23E+08 SGPP2		0.181417	2.495907	0.013512	0.862697
cg101609							
75	chr14	42075810		0.393391	2.492417	0.013641	0.863902
cg074315							
22	chr15	27210290		-0.34783	-2.4924	0.013641	0.863902
cg224130							
90	chr6	29986760		0.219185	2.498351	0.013423	0.861296
cg027204							
42	chr12	1.25E+08		0.213242	2.498706	0.01341	0.861
cg178491							
56	chr17	79255961		-0.21833	-2.49583	0.013515	0.862697
cg111451							
60	chr3	1.7E+08		0.327898	2.493632	0.013596	0.863225
cg045618							
22	chr19	3094117		-0.21235	-2.49521	0.013538	0.862697
cg109068							
26	chr2	2.41E+08		-0.31901	-2.49547	0.013528	0.862697
cg130205							
18	chr22	49575834		-0.3168	-2.4922	0.013649	0.863902
cg173577							
97	chr11	46265260		0.216975	2.502204	0.013283	0.859763
cg039470							
26	chr1	52832320		0.28908	2.495062	0.013543	0.862697
cg184011							
11	chr15	31773057		-0.29832	-2.49168	0.013668	0.86421
cg230624							
25	chr5	52083961		0.203802	2.494433	0.013566	0.862987
cg162182							
41	chr6	90597591		0.364823	2.494384	0.013568	0.862987
cg160572							
01	chr4	6642319		0.158519	2.502307	0.013279	0.859763
cg083827							
37	chr19	49617001 NTF4		0.619567	2.497385	0.013458	0.862188
cg184398							
33	chr1	917642		0.280081	2.495073	0.013543	0.862697
cg267353							
53	chr21	42213698		0.387848	2.492991	0.01362	0.863902

cg171388							
52	chr1	1.8E+08		0.465014	2.499712	0.013373	0.860784
cg034973							
99	chr3	33260934		0.371041	2.493983	0.013583	0.862987
cg147597							
40	chr20	60962311		0.16978	2.496277	0.013498	0.862697
cg195286							
10	chr8	33342193		0.310749	2.491891	0.01366	0.863931
cg018523							
28	chr7	6487989		-0.33087	-2.49807	0.013433	0.861455
cg263494							
84	chr10	1.07E+08		-0.36477	-2.4982	0.013428	0.861296
cg106609							
16	chr19	17984643		0.277292	2.490967	0.013695	0.86447
cg156905							
98	chr8	1.35E+08 NDRG1		-0.38725	-2.49764	0.013449	0.862071
cg242611							
77	chr8	96281885		-0.22639	-2.5038	0.013225	0.859763
cg185657							
83	chr10	57390704		0.501267	2.490798	0.013701	0.86447
cg052892							
53	chr11	1.23E+08		0.205422	2.496047	0.013507	0.862697
cg093375							
63	chr11	1.26E+08 DCPS		-0.78492	-2.50191	0.013293	0.859933
cg144727		ENSG000002339					
16	chr9	1.37E+08 36;LINC00094		-0.28772	-2.49186	0.013662	0.863931
cg085774							
24	chr12	1.12E+08		0.351955	2.495991	0.013509	0.862697
cg023038							
07	chr1	31367595		-0.20309	-2.49111	0.013689	0.86447
cg016930							
90	chr17	41623848		0.166499	2.501415	0.013311	0.860353
cg230364							
05	chr5	1.71E+08		-0.39823	-2.49584	0.013515	0.862697
cg266824		CYP1B1-					
99	chr2	38342447 AS1;PRKD3		-0.53576	-2.4925	0.013638	0.863902
cg004497							
98	chr13	25322015		0.333902	2.495213	0.013538	0.862697
cg006546							
37	chr9	1.31E+08		0.186436	2.504198	0.013211	0.859763
cg047065							
56	chr7	26526094		-0.28632	-2.49221	0.013649	0.863902
cg259030							
72	chr15	63334703		0.20712	2.500301	0.013352	0.860658

				CACNA1H;C16orf91;TMEM204;PKD1;NME4;RAB11FIP3;ENSG000001231484 0261123;MSRB1			
cg00931520	chr16	1231484	0261123;MSRB1	0.265315	2.492206	0.013649	0.863902
cg16767915	chr1	32221888		0.25544	2.489736	0.01374	0.86447
cg11368643	chr5	1.41E+08		0.382545	2.490615	0.013708	0.86447
cg21523564	chr15	75251491	CCDC33	0.35952	2.490706	0.013704	0.86447
				OR5P3;RPL27A;ENSG00000251364;ENSG00000251364			
cg15524336	chr11	8190822	4951	0.235318	2.491864	0.013661	0.863931
cg04873147	chr13	73634369		-0.2888	-2.50551	0.013164	0.859541
cg16386523	chr11	49974622		0.50235	2.493159	0.013613	0.863902
cg06430387	chr10	60094511		0.289564	2.490601	0.013708	0.86447
cg15678744	chr5	1.72E+08	STK10	0.394257	2.492311	0.013645	0.863902
cg03576809	chr9	38619668		0.321803	2.492251	0.013647	0.863902
cg08670530	chr4	7042894		-0.33317	-2.48754	0.013822	0.86447
cg02829688	chr1	1.2E+08		0.307867	2.48738	0.013828	0.86447
cg07022289	chr1	2.38E+08		-0.33227	-2.49514	0.01354	0.862697
cg10734432	chr8	1.45E+08		-0.20885	-2.49003	0.013729	0.86447
cg03769383	chr12	41583367		0.373912	2.496877	0.013476	0.862695
cg19705197	chr10	6264090		-0.28168	-2.49668	0.013484	0.862697
cg11387301	chr19	15252043		0.336113	2.495172	0.013539	0.862697
cg01740650	chr16	84065271		-0.30286	-2.4946	0.01356	0.862987
cg25502950	chr5	1.5E+08	CSF1R;RPS14	0.274686	2.49127	0.013683	0.86447

cg023117							
25	chr20	30639816		0.214418	2.494167	0.013576	0.862987
cg104004							
40	chr11	9482413		-0.27161	-2.49679	0.01348	0.862697
cg214476							
20	chr8	1.44E+08		-0.27427	-2.48859	0.013783	0.86447
cg217752			COL6A5;KIAA12				
45	chr3	1.29E+08	57	0.47624	2.487095	0.013839	0.86447
cg020714							
63	chr20	10200617		-0.38912	-2.49002	0.01373	0.86447
cg227793							
30	chr11	69061911	MYEOV;MTL5	-0.23423	-2.49077	0.013702	0.86447
cg060419							
85	chr20	442822		0.203989	2.494238	0.013573	0.862987
cg075114							
09	chr5	1.6E+08		0.268045	2.494082	0.013579	0.862987
cg098509							
80	chr5	36067127		0.250334	2.499483	0.013381	0.860784
cg201854							
54	chr17	47865453		0.389784	2.489648	0.013744	0.86447
cg117373							
18	chr8	1.31E+08		-0.35012	-2.50261	0.013268	0.859763
cg150567							
94	chr11	1.22E+08		-0.47415	-2.48727	0.013833	0.86447
cg179324							
25	chr19	17622159		-0.18006	-2.49938	0.013385	0.860784
cg076742			CBFA2T3;ENSGO				
77	chr16	88973351	0000261226;CD	-0.37465	-2.49192	0.013659	0.863931
cg184013							
67	chr5	1.76E+08		0.376806	2.490161	0.013725	0.86447
cg124498							
37	chr22	31364356	SEC14L3	0.395761	2.489919	0.013734	0.86447
cg229061							
13	chr11	68192736		-0.28264	-2.49224	0.013647	0.863902
cg247844			KRT39;FKBP10;I				
66	chr17	39114732	GFBP4;ENSG000	-0.29268	-2.49394	0.013585	0.862987
cg039438			00234477;ACLY				
39	chr16	18995532		0.278847	2.488109	0.013801	0.86447
cg112078							
52	chr1	91966655		-0.16109	-2.48759	0.013821	0.86447
cg019445							
93	chr16	48530677		0.33635	2.492835	0.013625	0.863902



cg038925							
43	chr16	84650330		0.406678	2.493045	0.013618	0.863902
cg171713							
25	chr3	10052813		-0.25165	-2.489	0.013768	0.86447
cg245407							
32	chr7	1.39E+08		-0.33661	-2.49225	0.013647	0.863902
cg116162							
37	chr5	1.6E+08		-0.24955	-2.5086	0.013053	0.859395
cg029448							
71	chr3	1.12E+08		0.339509	2.495077	0.013543	0.862697
cg156662							
75	chr19	57274897	ZIK1	-0.34249	-2.48393	0.013958	0.86447
cg138547							
27	chr11	35032430		-0.32067	-2.48618	0.013873	0.86447
cg005317							
45	chr6	34191048	BAK1;SPDEF	0.25501	2.490414	0.013715	0.86447
cg198549							
15	chr3	27770995		0.307395	2.50183	0.013296	0.859933
cg158707							
41	chr6	1.28E+08	YWHAZP4	-0.33466	-2.49701	0.013472	0.862597
cg053062							
25	chr8	4848947		0.375083	2.48927	0.013758	0.86447
cg249512							
86	chr5	1.41E+08		0.322029	2.486623	0.013857	0.86447
cg101810							
16	chr5	76087172	ZBED3;IQGAP2	-0.31244	-2.49039	0.013716	0.86447
cg160559			GAS6;F10;TMEM				
45	chr13	1.14E+08	255B	0.426757	2.48997	0.013732	0.86447
cg185388			MS4A8;FAM111				
12	chr11	59614095	B	-0.31185	-2.48605	0.013878	0.86447
cg169846							
19	chr11	6633451		0.164411	2.487019	0.013842	0.86447
cg179528							
24	chr10	44287023	RASGEF1A	-0.44643	-2.49105	0.013691	0.86447
cg109832			SFMBT2;ATP5C1				
06	chr10	7564401	;ITI1H5	-0.36259	-2.48673	0.013853	0.86447
cg098280							
10	chr5	1.74E+08		0.313767	2.495982	0.013509	0.862697
cg041246							
26	chr5	41509934		0.45793	2.484324	0.013943	0.86447
cg185668							
19	chr19	12147014		0.292946	2.487066	0.01384	0.86447
cg223047							
05	chr2	2.38E+08		-0.47326	-2.49934	0.013386	0.860784
cg068346							
61	chr10	71087834	TET1;COL13A1	0.362744	2.497652	0.013448	0.862071
cg221363							
83	chr15	24920631		-0.2738	-2.50439	0.013204	0.859763

cg270350							
87	chr6	28834254		-0.20332	-2.48689	0.013847	0.86447
cg157826							
04	chr3	1.36E+08		0.279536	2.492801	0.013627	0.863902
cg027758							
67	chr20	45438576		-0.33739	-2.49417	0.013576	0.862987
cg114901							
31	chr17	17124854		-0.30997	-2.49366	0.013595	0.863225
cg032391							
78	chr12	1.03E+08		0.411041	2.486872	0.013847	0.86447
cg082894							
12	chr16	66835626		0.464227	2.488467	0.013788	0.86447
cg219294							
72	chr8	27527865		-0.26152	-2.48877	0.013776	0.86447
cg170984							
15	chr1	995021		-0.207	-2.48551	0.013899	0.86447
cg092989							
34	chr6	43272572		-0.25803	-2.48706	0.01384	0.86447
cg245971							
31	chr1	15354730 KAZN		-0.30135	-2.491	0.013693	0.86447
cg093688							
75	chr1	1.11E+08		-0.32403	-2.49522	0.013537	0.862697
cg035825							
37	chr8	64081405		-0.24282	-2.48557	0.013896	0.86447
cg111354							
12	chr1	6637055		-0.2835	-2.49433	0.01357	0.862987
cg115436							
65	chr19	8373294		0.173379	2.495517	0.013526	0.862697
cg041355							
40	chr4	42296896		-0.33772	-2.4887	0.013779	0.86447
cg117924			CKB;ENSG00000				
70	chr14	1.05E+08 257556		-0.68493	-2.48147	0.014052	0.86447
cg062883							
51	chr20	43729897		0.193796	2.488293	0.013794	0.86447
cg181406							
83	chr11	2950620		0.183036	2.489771	0.013739	0.86447
cg088793							
90	chr19	13979907		0.223828	2.487682	0.013817	0.86447
cg172128							
13	chr7	72413706		-0.20006	-2.49142	0.013678	0.86447
cg082222							
93	chr5	1.81E+08		0.226926	2.488867	0.013773	0.86447
cg109898							
97	chr1	50513645		0.404236	2.486882	0.013847	0.86447
cg092479							
49	chr6	24667244		0.151348	2.486468	0.013863	0.86447
cg020047			TOX2;PTPRT;MY				
23	chr20	42574341 BL2;WISP2		0.360939	2.483629	0.01397	0.86447

cg027282							
63	chr9	34622261		0.237568	2.490165	0.013724	0.86447
cg175371							
77	chr12	1.31E+08		-0.38818	-2.48238	0.014017	0.86447
cg074819							
28	chr2	1.22E+08		-0.30622	-2.48862	0.013782	0.86447
cg049116			PITPNM2;ENSG0				
79	chr12	1.24E+08	0000251497	0.749236	2.484403	0.01394	0.86447
cg250823							
61	chr13	1.14E+08		0.309329	2.491918	0.013659	0.863931
cg091071							
61	chr1	2.41E+08		-0.42946	-2.48668	0.013855	0.86447
cg010939							
34	chr2	1.77E+08		-0.261	-2.49026	0.013721	0.86447
cg246393							
35	chr11	696374		0.274507	2.489371	0.013754	0.86447
cg013229							
75	chr10	1.18E+08		0.282207	2.48855	0.013785	0.86447
cg143246							
94	chr19	52099597		-0.29934	-2.4868	0.01385	0.86447
cg185810							
37	chr5	1.69E+08		0.367942	2.495762	0.013517	0.862697
cg078112							
55	chr10	7149062		-0.36552	-2.48835	0.013792	0.86447
cg084939							
04	chr2	70507416		-0.40915	-2.48878	0.013776	0.86447
cg170393							
91	chr11	12030272		-0.24885	-2.48413	0.013951	0.86447
cg199588							
90	chr3	63637558		0.342474	2.486702	0.013854	0.86447
cg149518							
56	chr10	80275252		-0.25148	-2.48788	0.01381	0.86447
cg219027							
54	chr19	53073712		0.235726	2.492251	0.013647	0.863902
cg095591							
89	chr8	25898412	CDCA2	0.4189	2.482687	0.014005	0.86447
cg099117							
47	chr14	99645128		0.429219	2.48651	0.013861	0.86447
cg053425							
15	chr2	1.77E+08		0.259236	2.489405	0.013753	0.86447
cg232143							
08	chr11	1.3E+08		-0.26269	-2.48842	0.01379	0.86447
cg075154							
22	chr19	40993713		0.413364	2.482009	0.014031	0.86447
cg029367							
40	chr4	68995995		-0.41777	-2.48686	0.013848	0.86447
cg022976							
16	chr1	40255140		0.213038	2.487157	0.013837	0.86447

cg088765							
18	chr16	81528229	CENPN;CMIP	-0.34956	-2.48613	0.013875	0.86447
cg100929							
35	chr15	43594820		-0.27427	-2.48603	0.013879	0.86447
cg227200							
41	chr19	44952725		0.469232	2.48275	0.014003	0.86447
cg174632							
77	chr3	1.8E+08		-0.24809	-2.48338	0.013979	0.86447
cg156003							
98	chr3	45729894		-0.35589	-2.48694	0.013845	0.86447
cg222348							
55	chr19	44006148		0.394036	2.48616	0.013874	0.86447
cg037294							
31	chr17	15848264		0.180459	2.48479	0.013926	0.86447
cg006608							
43	chr12	54954400		0.508547	2.480422	0.014091	0.86447
cg189037							
19	chr5	1.33E+08		0.138047	2.483695	0.013967	0.86447
cg152319							
42	chr19	873330		-0.643	-2.48439	0.013941	0.86447
cg052104							
12	chr17	58227342		0.313027	2.494756	0.013554	0.862987
cg168221							
43	chr10	28011765		0.377071	2.485354	0.013905	0.86447
cg237372							
29	chr21	28218646		-0.20652	-2.48753	0.013823	0.86447
cg260823							
20	chr14	23240781		0.194133	2.482781	0.014002	0.86447
cg181912							
09	chr2	795478		-0.35501	-2.49032	0.013718	0.86447
cg082263							
00	chr3	49695806	C3orf18;LAMB2	0.237377	2.481957	0.014033	0.86447
cg204651							
43	chr8	1.45E+08		-0.21193	-2.4887	0.013779	0.86447
cg116744							
04	chr4	1.77E+08		0.450218	2.499193	0.013392	0.860784
cg062156							
91	chr13	26624487		0.27484	2.483665	0.013968	0.86447
cg053314							
98	chr3	53880775		0.251003	2.482046	0.01403	0.86447
cg073816							
34	chr17	37753860		0.395677	2.482393	0.014016	0.86447
cg052762							
26	chr8	39441968		-0.35459	-2.49455	0.013562	0.862987
cg010220							
87	chr7	38726323		-0.29479	-2.48797	0.013806	0.86447
cg018251							
37	chr3	1.05E+08		-0.41996	-2.48684	0.013849	0.86447
cg146927							
09	chr6	33137258		-0.26819	-2.486	0.01388	0.86447

cg073452							
40	chr22	41556691	0.260429	2.490236	0.013722	0.86447	
cg022812							
08	chr15	27216008	0.341673	2.483611	0.01397	0.86447	
cg016134							
55	chr7	98248852	-0.31083	-2.48358	0.013972	0.86447	
cg219153							
13	chr5	1.41E+08 DIAPH1	0.477261	2.491183	0.013687	0.86447	
cg059708							
46	chr16	28857979	-0.23817	-2.48629	0.013869	0.86447	
cg089627							
67	chr12	53773782	-0.33621	-2.4949	0.013549	0.862956	
cg244253							
16	chr18	77400225	0.430419	2.484243	0.013946	0.86447	
cg049057							
55	chr2	18635845	-0.27916	-2.48495	0.01392	0.86447	
cg044819							
23	chr5	1.35E+08	0.614114	2.511564	0.012948	0.858697	
cg136130							
11	chr9	1.33E+08	-0.25823	-2.48314	0.013988	0.86447	
cg235279							
02	chr17	61515708 C17orf72	0.303937	2.486716	0.013853	0.86447	
cg042611							
38	chr5	87968636	0.353216	2.482736	0.014003	0.86447	
cg052712							
76	chr15	59279841	-0.28679	-2.48415	0.01395	0.86447	
cg220452							
71	chr1	9711650	-0.30154	-2.48494	0.01392	0.86447	
cg215277							
08	chr1	1.12E+08 DENND2D	-0.29873	-2.48662	0.013857	0.86447	
cg097666							
71	chr19	8595087	0.303705	2.482648	0.014007	0.86447	
cg157847							
84	chr11	66628295	-0.27586	-2.48794	0.013807	0.86447	
cg189983							
21	chr18	7038943	0.564582	2.48711	0.013839	0.86447	
cg269356							
49	chr19	19369669	0.247607	2.4876	0.01382	0.86447	
cg139098							
26	chr1	1.09E+08	-0.34545	-2.48048	0.014089	0.86447	
cg088503							
69	chr3	36421231	-0.36298	-2.47669	0.014234	0.86447	
cg234472							
39	chr7	1.58E+08	-0.3174	-2.48439	0.013941	0.86447	
cg211743							
44	chr9	99450036 EIF4BP3	-0.36489	-2.47692	0.014226	0.86447	
cg102546							
92	chr6	1.44E+08 PLAGL1	0.39422	2.479579	0.014124	0.86447	
cg165759							
98	chr2	47382739	0.359102	2.479689	0.014119	0.86447	

cg086340							
41	chr13	78494330		0.342414	2.485457	0.013901	0.86447
cg238102							
82	chr5	43037519		0.511449	2.482082	0.014028	0.86447
cg174622							
00	chr12	1.15E+08		0.335885	2.48286	0.013999	0.86447
cg226464							
08	chr10	73256318		-0.29943	-2.47987	0.014113	0.86447
cg161292							
13	chr21	33030780		0.310087	2.482569	0.01401	0.86447
cg187091							
10	chr17	1094555		-0.37512	-2.47785	0.01419	0.86447
cg102025							
57	chr4	24982173 SOD3		0.305843	2.485345	0.013905	0.86447
cg269837							
10	chr2	1.55E+08		0.436258	2.478957	0.014147	0.86447
cg081623							
37	chr19	41223262		-0.18599	-2.48232	0.014019	0.86447
cg091234							
84	chr1	15853263		-0.17493	-2.4812	0.014062	0.86447
cg064464							
66	chr19	19310798 ZNF101		0.281643	2.481901	0.014035	0.86447
cg007147							
62	chr17	40021969 GHDC		0.238408	2.483103	0.01399	0.86447
cg244617							
72	chr11	34018640		-0.24878	-2.48308	0.01399	0.86447
cg194713		ENSG000002617					
99	chr12	514252 99		-0.34078	-2.47999	0.014108	0.86447
cg000494							
75	chr10	29923736		0.423826	2.483914	0.013959	0.86447
cg235452							
99	chr10	7763753		-0.31843	-2.4768	0.01423	0.86447
			ANO2;LEPREL2;I				
			FFO1;VWF;SCNN				
			1A;CD9;CLSTN3;				
			RBP5;GNB3;ENS				
			G00000257084;				
			NTF3;ATN1;MRP				
cg049583							
37	chr12	6489206 L51;TPI1		-0.37823	-2.48373	0.013966	0.86447
cg163406							
18	chr18	55104628		0.303812	2.480924	0.014072	0.86447
cg088007							
10	chr13	1.13E+08		0.299505	2.486268	0.01387	0.86447
cg133411							
53	chr10	1.2E+08		0.318776	2.48869	0.013779	0.86447

cg253545						
87	chr12	3590738	-0.43469	-2.48096	0.014071	0.86447
cg051490						
97	chr11	59325534	0.350754	2.48181	0.014039	0.86447
cg264699						
55	chr2	44000110	-0.34257	-2.48182	0.014038	0.86447
cg045432						
89	chr16	24267559	0.320041	2.47947	0.014128	0.86447
cg217038						
13	chr8	30437738	-0.27365	-2.48078	0.014078	0.86447
cg022434						
79	chr17	78859959	0.35731	2.480373	0.014093	0.86447
cg189304						
44	chr2	2.4E+08 LINC01107	0.333266	2.482013	0.014031	0.86447
cg269934						
66	chr5	1546899	-0.2478	-2.47812	0.014179	0.86447
cg175447						
62	chr6	1.51E+08	0.473125	2.477088	0.014219	0.86447
cg182649						
25	chr3	1.34E+08	0.200198	2.480238	0.014098	0.86447
cg075949						
33	chr12	515355	0.276355	2.477382	0.014208	0.86447
cg156922						
79	chr1	1.5E+08	0.177221	2.48438	0.013941	0.86447
cg102477						
98	chr3	52008826	-0.29331	-2.48569	0.013892	0.86447
cg077501						
30	chr7	1708114	-0.28287	-2.47954	0.014125	0.86447
cg082642						
66	chr6	1.24E+08	0.334338	2.480509	0.014088	0.86447
cg044818						
88	chr5	1.79E+08 ZFP2	0.411961	2.47791	0.014187	0.86447
cg239211						
45	chr1	2.42E+08	-0.18572	-2.48131	0.014058	0.86447
cg063237						
27	chr9	1.4E+08	0.379123	2.485014	0.013917	0.86447
cg112659						
41	chr15	25068738	0.267606	2.480101	0.014104	0.86447
cg136716						
01	chr22	31218741	-0.26749	-2.48421	0.013948	0.86447
cg000088						
19	chr4	3257791	0.267036	2.482059	0.014029	0.86447
cg176806						
96	chr10	1.16E+08	-0.2367	-2.48075	0.014079	0.86447
cg050321						
35	chr7	1.39E+08	0.156006	2.479347	0.014132	0.86447
cg271091						
29	chr4	74864165	0.409321	2.484375	0.013941	0.86447
cg227640						
44	chr5	1.79E+08	0.455679	2.480175	0.014101	0.86447

cg086954							
18	chr4	6729199		0.574555	2.477946	0.014186	0.86447
cg074361							
52	chr6	50819236		0.450812	2.4816	0.014047	0.86447
cg016441							
12	chr14	1.01E+08		-0.30727	-2.48215	0.014026	0.86447
cg249144							
74	chr10	92913238		0.271614	2.496434	0.013493	0.862697
cg210900			DLG1;SLC51A;M				
33	chr3	1.96E+08	UC4;PCYT1A	-0.50706	-2.48453	0.013936	0.86447
cg220727							
95	chr18	56932169		-0.18261	-2.48129	0.014058	0.86447
cg064971							
98	chr6	18122965		0.319978	2.477271	0.014212	0.86447
ch.10.557							
1894F	chr10	5581896		-0.4411	-2.48847	0.013788	0.86447
cg196057							
49	chr14	93582412		-0.15405	-2.48164	0.014045	0.86447
cg025921							
44	chr5	1538204		0.280002	2.486491	0.013862	0.86447
cg057257							
21	chr3	1.61E+08		0.270268	2.483348	0.01398	0.86447
cg025779			ADAMTSL2;COL5				
09	chr9	1.37E+08	A1;LINC00094;G				
cg070687			BGT1	0.356979	2.48216	0.014025	0.86447
56	chr4	41258910		0.227048	2.487926	0.013808	0.86447
cg020512							
39	chr2	74375507		0.344462	2.478638	0.01416	0.86447
cg120687							
91	chr11	66102352		-0.20159	-2.47733	0.01421	0.86447
cg248414							
24	chr19	57657658		0.415733	2.485195	0.013911	0.86447
cg024242							
49	chr13	65532581		-0.31469	-2.48161	0.014046	0.86447
cg105491							
56	chr7	1E+08		-0.13974	-2.48081	0.014077	0.86447
cg131904			ENSG000002658				
93	chr17	27620817	45	0.261054	2.484248	0.013946	0.86447
cg004172							
97	chr3	40518742		-0.23187	-2.48441	0.01394	0.86447
cg174478							
77	chr11	65554407		-0.20394	-2.48651	0.013861	0.86447
cg201177							
42	chr19	54876795	LILRA1;PTPRH	0.442752	2.484806	0.013925	0.86447
cg147483							
80	chr1	1.8E+08		0.359381	2.481643	0.014045	0.86447



cg207446							
25	chr10	64578469		0.256759	2.48445	0.013939	0.86447
cg114863							
50	chr5	50685301		0.363846	2.487743	0.013815	0.86447
cg100325							
99	chr16	51560612		0.314575	2.48242	0.014015	0.86447
cg256818							
72	chr6	27862708		0.247941	2.488295	0.013794	0.86447
cg078893							
29	chr6	37666155		-0.2408	-2.47724	0.014213	0.86447
cg126826							
84	chr4	66535403		0.560984	2.479168	0.014139	0.86447
cg052703							
44	chr7	79083635		0.316627	2.481037	0.014068	0.86447
cg169226							
88	chr6	29588173		-0.21552	-2.47791	0.014187	0.86447
cg178612							
30	chr19	18343901		0.441386	2.475103	0.014295	0.865425

			ZNF773;ZNF671; ZNF418;ZNF154;				
cg255503							
90	chr19	58521057	ZIK1	0.262528	2.476615	0.014237	0.86447
cg208922							
60	chr8	23564025		0.347343	2.485088	0.013915	0.86447
cg027668							
20	chr12	57482762		-0.16608	-2.48005	0.014106	0.86447
cg005324							
49	chr1	2375420	SKI	0.662296	2.476156	0.014255	0.86447
cg027706							
88	chr6	1.68E+08		-0.56824	-2.47971	0.014119	0.86447
cg049148							
32	chr1	2828293		0.336349	2.480224	0.014099	0.86447
cg137215							
51	chr9	1.01E+08	ALG2	-0.27739	-2.4842	0.013948	0.86447
cg267494							
75	chr10	89580388		-0.33832	-2.48261	0.014008	0.86447
cg045189							
28	chr16	67840678	SLC7A6OS	-0.20486	-2.47356	0.014355	0.866317
cg200770							
42	chr11	65582810	SIPA1;CTSW	-0.21646	-2.49441	0.013567	0.862987
cg058478							
35	chr2	1.4E+08		-0.34499	-2.47623	0.014252	0.86447
cg233754							
40	chr11	57479998		-0.18325	-2.47973	0.014118	0.86447
cg013574							
09	chr2	1.78E+08		0.152105	2.47778	0.014192	0.86447
cg075691							
79	chr12	76679129		-0.27821	-2.48216	0.014025	0.86447

cg106325							
25	chr22	28195524	TTC28	0.25862	2.487688	0.013817	0.86447
cg110116							
25	chr5	1.41E+08		0.31164	2.480677	0.014082	0.86447
cg167835							
71	chr6	74064594		0.596654	2.475381	0.014285	0.864952
cg178484							
07	chr5	1.26E+08		0.491872	2.477931	0.014187	0.86447
cg163648							
17	chr16	84079266		-0.30847	-2.48012	0.014103	0.86447
cg171980							
19	chr17	59561972		-0.35807	-2.47935	0.014132	0.86447
cg270564							
36	chr7	5569463		-0.20708	-2.48368	0.013968	0.86447
cg144245							
30	chr13	30170129		-0.22963	-2.48059	0.014085	0.86447
cg241495							
28	chr15	26341034		0.337659	2.482856	0.013999	0.86447
cg221444			CASC3;TOP2A;C				
50	chr17	38080378	DC6;THRA	-0.18323	-2.48006	0.014105	0.86447
cg060601							
35	chr5	3596704		0.360467	2.473307	0.014365	0.866371
cg103229							
09	chr16	58568272		-0.31169	-2.48515	0.013912	0.86447
cg267171							
33	chr10	85953953		-0.26133	-2.48053	0.014087	0.86447
cg066400							
20	chr6	1.68E+08		0.267926	2.479317	0.014134	0.86447
cg272963							
30	chr19	54041251	CDC42EP5	0.272224	2.492907	0.013623	0.863902
cg265896			ENSG000002605				
65	chr15	71623290	86;NR2E3;UACA;	0.368074	2.478031	0.014183	0.86447
cg116353			ENSG000002599				
04	chr5	1.8E+08	64	0.347825	2.477274	0.014212	0.86447
cg064783							
98	chr19	1479426		0.201236	2.48253	0.014011	0.86447
cg086156							
99	chr4	1.88E+08		0.25169	2.479673	0.01412	0.86447
cg135947							
97	chr15	97720753		0.314639	2.475807	0.014268	0.86447
cg197495							
60	chr5	693491	ZDHHC11B	-0.20145	-2.48322	0.013985	0.86447
cg233687							
87	chr19	36049342		0.30616	2.475894	0.014265	0.86447

cg044626							
52	chr2	1.33E+08		-0.34854	-2.48698	0.013843	0.86447
cg247293							
78	chr1	43609431	MPL;TIE1	0.416524	2.478917	0.014149	0.86447
cg144515							
60	chr9	1.4E+08		-0.20896	-2.47704	0.014221	0.86447
cg115705							
11	chr1	16543021		0.341234	2.477774	0.014193	0.86447
cg271316							
67	chr16	89619402		-0.16402	-2.48051	0.014088	0.86447
cg047964							
98	chr8	1.46E+08		0.28907	2.474578	0.014316	0.865846
cg245760							
26	chr17	75290917		0.477283	2.474367	0.014324	0.865978
cg015255			RAB4A;HIST3H2				
38	chr1	2.29E+08	A;ABCB10	0.490287	2.474676	0.014312	0.865747
cg114262							
24	chr12	54567248	ITGB7	-0.21772	-2.47332	0.014365	0.866371
cg251418							
90	chr1	1.79E+08		-0.20226	-2.47711	0.014218	0.86447
cg107836							
80	chr17	74099835		-0.19539	-2.47507	0.014297	0.865425
cg063686							
18	chr10	1.01E+08		0.368232	2.477732	0.014194	0.86447
cg157990							
72	chr6	15248335		0.282594	2.473508	0.014357	0.866317
cg238674							
41	chr13	33769544	PDS5B	0.358444	2.481528	0.014049	0.86447
cg013644							
23	chr1	2.35E+08		-0.21509	-2.47839	0.014169	0.86447
cg238723							
89	chr18	19183095		-0.2934	-2.47593	0.014264	0.86447
cg007126							
86	chr17	46102784	LRRC46	0.173599	2.480282	0.014097	0.86447
cg050261							
86	chr5	1.49E+08		0.394541	2.474502	0.014319	0.865904
cg059899							
84	chr12	1.22E+08		-0.34747	-2.47919	0.014139	0.86447
cg101914							
04	chr8	1.36E+08	KHDRBS3	-0.35227	-2.48071	0.01408	0.86447
cg039095			ENSG000002723				
00	chr5	33936597	23	0.280881	2.483869	0.013961	0.86447
cg253409							
66	chr1	1.2E+08		0.433769	2.4775	0.014203	0.86447
cg050111							
13	chr1	29804189	SNHG3;RCC1	0.276388	2.475692	0.014273	0.86447
cg059506							
73	chr5	1807188		0.30519	2.476462	0.014243	0.86447

cg107168							
23	chr15	69744850	0.428537	2.473904	0.014342	0.866268	
cg085782							
16	chr8	22735478	-0.40456	-2.47591	0.014264	0.86447	
cg196734							
24	chr14	93673304	-0.22213	-2.476	0.014261	0.86447	
cg076735							
38	chr2	36824338	0.317582	2.47996	0.014109	0.86447	
cg133679							
29	chr5	1.76E+08	0.284723	2.474287	0.014327	0.865978	
cg012091							
18	chr6	1.08E+08	-0.18549	-2.47768	0.014196	0.86447	
cg080727							
16	chr3	51989692	0.20197	2.477725	0.014195	0.86447	
cg086392							
44	chr19	41945921	-0.20907	-2.4785	0.014165	0.86447	
cg104329							
87	chr17	136544	-0.3329	-2.48083	0.014076	0.86447	
cg137754							
95	chr3	1.6E+08	0.188192	2.469278	0.014522	0.86711	
cg225173							
51	chr19	17666898	-0.17261	-2.47763	0.014198	0.86447	
cg008003							
65	chr15	90318772	0.294634	2.472848	0.014383	0.866711	
cg116981							
80	chr21	46019376	-0.2271	-2.47773	0.014194	0.86447	
cg209351							
56	chr4	2252845	-0.30169	-2.47323	0.014368	0.866423	
ch.8.2060							
3847F	chr8	20559567 LPL	-0.45886	-2.47994	0.01411	0.86447	
cg203584							
92	chr7	1.58E+08	-0.20496	-2.47304	0.014376	0.86664	
cg150036							
95	chr4	39978799	-0.35155	-2.47574	0.014271	0.86447	
cg105070							
99	chr16	67282837	-0.17703	-2.47365	0.014352	0.866317	
cg038932							
71	chr7	70597458	0.403094	2.478136	0.014179	0.86447	
cg139306							
43	chr9	86323646	0.342957	2.480291	0.014096	0.86447	
cg079296							
29	chr2	2.42E+08	0.310915	2.472661	0.01439	0.866711	
cg198209							
19	chr1	9380800 SPSB1;SLC45A1	-0.2936	-2.47644	0.014244	0.86447	
cg268452							
97	chr4	85422409	0.266056	2.483304	0.013982	0.86447	
cg232710							
99	chr6	43149472	0.301129	2.475796	0.014269	0.86447	
cg004611							
74	chr12	14651515	-0.30301	-2.47387	0.014343	0.866268	

cg262918						
48	chr8	1.42E+08	-0.32071	-2.48022	0.014099	0.86447
cg067918						
12	chr14	1.06E+08	-0.2912	-2.47014	0.014488	0.86711
cg246793						
17	chr17	20515873	-0.21741	-2.46866	0.014546	0.86711
cg052961						
92	chr14	88790393	0.288754	2.469484	0.014514	0.86711
cg030520						
80	chr2	1.21E+08	0.217113	2.476097	0.014257	0.86447
cg162922						
51	chr7	1.02E+08	0.200418	2.4758	0.014269	0.86447
cg134070						
62	chr8	1.44E+08	-0.21796	-2.4783	0.014172	0.86447
cg147147						
97	chr5	343927	0.461479	2.472077	0.014413	0.866711
cg169310						
68	chr20	139680	-0.36859	-2.47078	0.014463	0.866837
cg228391						
23	chr10	73157611	0.227202	2.474673	0.014312	0.865747
cg273282						
36	chr10	5558309	0.340661	2.47552	0.014279	0.864749
cg175531						
49	chr6	27483069	0.407723	2.473756	0.014348	0.866317
cg151453						
57	chr6	1.71E+08	-0.17363	-2.47882	0.014153	0.86447
cg181223						
92	chr2	99013409	-0.51239	-2.47742	0.014206	0.86447
cg234790						
53	chr14	1.06E+08	-0.22675	-2.47208	0.014413	0.866711
cg261958						
12	chr2	27071332	0.26179	2.471656	0.014429	0.866711
cg148267						
97	chr5	33444867	0.348676	2.47671	0.014234	0.86447
cg261638						
43	chr14	34944819	-0.16309	-2.47174	0.014426	0.866711
cg145162						
46	chr6	27440625	-0.17529	-2.47906	0.014143	0.86447
cg237972						
52	chr10	1.35E+08	-0.28751	-2.48182	0.014038	0.86447
cg218931						
54	chr20	62493317	-0.24348	-2.47059	0.014471	0.867067
cg046109						
85	chr8	20237098	-0.19482	-2.47584	0.014267	0.86447
cg029965						
70	chr11	70001114	-0.2328	-2.47261	0.014392	0.866711
cg032074						
39	chr20	9495199	0.213742	2.483837	0.013962	0.86447
cg185581						
08	chr8	1.31E+08	0.292338	2.474084	0.014335	0.866024

cg256474							
15	chr3	50304250		0.194845	2.476923	0.014225	0.86447
cg013932							
33	chr1	64935571		0.290352	2.474902	0.014303	0.865581
cg118027							
32	chr17	2206917		-0.31499	-2.47354	0.014356	0.866317
cg195183							
08	chr2	11622904		0.338087	2.470864	0.01446	0.866837
cg264528							
11	chr15	65666640		-0.38644	-2.46834	0.014559	0.86711
cg238849							
24	chr19	18882253		0.474091	2.469346	0.014519	0.86711
cg199422							
37	chr7	29603211	DPY19L2P3	0.253572	2.47791	0.014187	0.86447
cg211317							
96	chr12	1.25E+08		-0.35945	-2.47957	0.014124	0.86447
cg203513							
27	chr22	36925411		-0.21331	-2.47082	0.014462	0.866837
cg046088							
11	chr17	74671934		-0.19977	-2.4797	0.014119	0.86447
cg003802							
83	chr20	4680397		0.246946	2.468573	0.01455	0.86711
cg051108							
03	chr15	99385323		-0.44405	-2.47425	0.014328	0.865978
cg055700							
96	chr8	1.46E+08		0.199355	2.468128	0.014567	0.86711
cg023820			ENSG000002627				
16	chr16	53406901	14	0.27436	2.49046	0.013713	0.86447
cg045026			ENSG000002602				
20	chr16	30020843	19	0.294675	2.467638	0.014586	0.86711
cg158464							
34	chr18	76733103		0.300903	2.474359	0.014324	0.865978
cg018354							
46	chr22	50845159		0.295089	2.476118	0.014256	0.86447
			CCDC78;IFT140; WDR90;BAIAP3; HAGHL;RNPS1;T				
cg267515							
13	chr16	1542910	PSB2	0.293878	2.467604	0.014588	0.86711
cg037200							
27	chr19	21766543		0.28158	2.471776	0.014424	0.866711
cg205451							
67	chr10	4482624		-0.4164	-2.46912	0.014528	0.86711
cg007369							
15	chr12	1.22E+08		-0.3256	-2.47131	0.014442	0.866711
cg029692							
14	chr6	32037602		-0.26528	-2.47352	0.014357	0.866317
cg249421							
86	chr3	55521373		-0.28042	-2.46905	0.014531	0.86711

cg229744							
67	chr11	77168514		-0.2865	-2.48164	0.014045	0.86447
cg010484							
45	chr2	2.42E+08		0.345785	2.469736	0.014504	0.86711
cg049470							
84	chr2	2.32E+08		0.198966	2.471281	0.014444	0.866711
cg181834							
06	chr17	40556833		0.468742	2.472368	0.014401	0.866711
cg043813							
80	chr17	18266459		-0.21339	-2.47913	0.014141	0.86447
cg112082			C5orf49;FASTKD				
22	chr5	7852098	3;MTRR	0.464236	2.486892	0.013847	0.86447
cg116312							
65	chr8	1.45E+08		-0.23595	-2.47495	0.014301	0.865581
cg232644							
43	chr19	4854690		0.251848	2.467488	0.014592	0.86711
cg270466							
41	chr8	1.38E+08		0.399332	2.467335	0.014598	0.86711
cg258020							
93	chr10	22634038		0.350354	2.471761	0.014425	0.866711
cg065444							
64	chr22	39627591		-0.27544	-2.47152	0.014434	0.866711
cg091505							
59	chr5	1.41E+08		0.592804	2.468486	0.014553	0.86711
cg253371							
50	chr10	1.04E+08		-0.14647	-2.47313	0.014372	0.866544
cg115175							
28	chr2	1.28E+08		-0.25129	-2.4659	0.014655	0.86711
cg004153							
33	chr6	1.37E+08	PDE7B;IL20RA	0.493124	2.472232	0.014407	0.866711
cg083791							
58	chr2	2.34E+08		0.2305	2.475766	0.01427	0.86447
cg073640							
46	chr12	93861583		-0.24057	-2.47129	0.014443	0.866711
cg268355							
06	chr6	1.09E+08		-0.28058	-2.47037	0.014479	0.86711
cg199379							
38	chr20	983002		0.360989	2.472175	0.014409	0.866711
cg166933							
13	chr10	30147659		0.337262	2.46758	0.014589	0.86711
cg107278							
12	chr2	2.11E+08		-0.38664	-2.46321	0.014761	0.86711
cg080473							
76	chr2	79739940		-0.2218	-2.46874	0.014543	0.86711
cg094985							
72	chr13	1.13E+08		0.349729	2.478746	0.014155	0.86447
cg263509							
21	chr17	77987482		-0.36754	-2.47241	0.0144	0.866711

cg206686			RAPGEFL1;KRT2				
44	chr17	38347603	3;TOP2A	0.38262	2.47332	0.014364	0.866371
cg258476							
33	chr6	35744230		-0.25048	-2.46797	0.014573	0.86711
cg209806			TAPBP;PSMB8;T				
53	chr6	33143760	AP2	-0.28862	-2.4671	0.014608	0.86711
cg233344							
33	chr17	79129051	TSPAN10	-0.36627	-2.47747	0.014204	0.86447
cg106174							
94	chr13	27847696		0.367972	2.469811	0.014501	0.86711
cg039429							
22	chr6	41064480		0.294945	2.465367	0.014676	0.86711
cg160339							
41	chr1	3527997		-0.22443	-2.46963	0.014508	0.86711
cg006503							
09	chr15	43476352	STARD9	-0.36345	-2.46468	0.014703	0.86711
cg058176							
64	chr1	2.13E+08		0.183219	2.47885	0.014151	0.86447
cg245434							
88	chr6	1.19E+08		-0.18868	-2.47417	0.014332	0.865978
cg131410							
09	chr3	1.8E+08		0.411068	2.476382	0.014246	0.86447
cg264185							
07	chr12	54121361		-0.18308	-2.46645	0.014633	0.86711
cg223891							
37	chr4	1.13E+08		0.298988	2.474698	0.014311	0.865747
cg156367							
92	chr21	47552628		-0.31139	-2.46729	0.0146	0.86711
cg054587			ENSG000002607				
64	chr5	678009	74	0.267223	2.467507	0.014591	0.86711
cg084644							
98	chr17	1375307		0.220108	2.471577	0.014432	0.866711
cg013565							
58	chr13	1.14E+08		-0.32741	-2.4682	0.014564	0.86711
cg208819							
10	chr11	1.32E+08		0.322155	2.472697	0.014389	0.866711
cg192770							
50	chr1	24069823		0.299773	2.47056	0.014472	0.867067
cg163307							
55	chr10	1.05E+08		0.41248	2.468148	0.014566	0.86711
cg147951			CD84;CD48;SLA				
12	chr1	1.61E+08	MF1;SLAMF7;FC	-0.22101	-2.46777	0.014581	0.86711
cg155577							
58	chr1	13828828	ER1G;FCGR2C	-0.25336	-2.46717	0.014605	0.86711



cg011440			ENSG000002355				
53	chr2	7571361	76	0.245471	2.472975	0.014378	0.866659
cg169071							
54	chr2	1.76E+08		-0.25266	-2.47158	0.014432	0.866711
cg104517							
72	chr3	1.27E+08		-0.23205	-2.46761	0.014587	0.86711
cg205388							
60	chr3	81806785		-0.42554	-2.46817	0.014565	0.86711
cg196882							
89	chr1	23671188		0.16676	2.469767	0.014503	0.86711
cg098304							
81	chr20	5730859		0.319204	2.474155	0.014332	0.865978
cg162877							
66	chr6	34495124		-0.21508	-2.46312	0.014765	0.86711
cg175018							
23	chr12	47219793		0.450512	2.471112	0.01445	0.866748
cg169357							
07	chr11	1.15E+08		0.269751	2.477101	0.014219	0.86447
cg173095							
92	chr3	49591741		-0.26904	-2.47003	0.014493	0.86711
cg046636							
92	chr12	97885669		-0.40705	-2.46644	0.014633	0.86711
cg011160							
21	chr2	2.37E+08		-0.25593	-2.46575	0.014661	0.86711
cg178383							
59	chr5	52780901		-0.25118	-2.46291	0.014773	0.86711
cg168670							
86	chr13	98826197		0.481382	2.463685	0.014742	0.86711
cg064943			ENSG000002338				
56	chr19	24182718	36	-0.25538	-2.46416	0.014724	0.86711
ch.15.403							
279R	chr15	40916970		-0.37136	-2.47219	0.014408	0.866711
cg167579							
90	chr3	1.58E+08		0.240032	2.468629	0.014547	0.86711
cg228463							
91	chr5	1.76E+08		-0.26286	-2.46477	0.014699	0.86711
cg228735							
39	chr4	1.48E+08		0.366234	2.467799	0.01458	0.86711
cg254133			UBL3;TEX26;MT				
42	chr13	30613228	US2	-0.36846	-2.47078	0.014463	0.866837
cg225316							
63	chr4	967528		-0.17013	-2.46958	0.01451	0.86711
cg110845			CLSPN;MAP7D1;				
18	chr1	36644849	MRPS15;TEKT2	0.319008	2.463812	0.014737	0.86711
cg260384							
61	chr2	25108362		-0.20206	-2.46592	0.014654	0.86711

cg116974							
64	chr6	1.43E+08	HIVEP2	0.177971	2.465677	0.014664	0.86711
cg059562							
73	chr19	4580470		-0.32496	-2.47143	0.014438	0.866711
cg252613							
77	chr6	30313517	HLA-F;PPP1R11	0.466339	2.472032	0.014414	0.866711
cg066596							
29	chr4	660405		0.2994	2.475876	0.014266	0.86447
cg160442							
51	chr6	29521695	HCG14	0.528838	2.472147	0.01441	0.866711
cg104351							
23	chr12	1.11E+08		-0.15461	-2.47223	0.014407	0.866711
cg259499							
41	chr19	54974900		-0.22752	-2.4626	0.014786	0.86711
cg251490							
37	chr17	39736213	KRT23;KRT14	0.331714	2.467168	0.014605	0.86711
cg018353							
26	chr16	65573166		-0.37052	-2.46737	0.014597	0.86711
cg053073							
01	chr1	41268493		0.262574	2.460435	0.014872	0.86711
cg246557							
06	chr7	1.27E+08		-0.4237	-2.46267	0.014783	0.86711
cg248745							
57	chr11	1321929	IGF2;TSPAN4	0.344096	2.464222	0.014721	0.86711
cg237529							
23	chr1	85513892		-0.16834	-2.46802	0.014571	0.86711
cg053889							
63	chr16	3304261		-0.46884	-2.47183	0.014422	0.866711
cg139208							
24	chr10	92631648		0.36935	2.469367	0.014518	0.86711
cg151086							
45	chr7	937705	CYP2W1	0.30846	2.463964	0.014731	0.86711
cg058518							
66	chr13	1.09E+08		-0.36686	-2.4817	0.014043	0.86447
cg214812							
75	chr13	1.01E+08		0.378781	2.473487	0.014358	0.866317
cg028135							
42	chr11	33084877		-0.24898	-2.47689	0.014227	0.86447
cg041758							
33	chr6	45634971		0.231499	2.470338	0.014481	0.86711
cg178277							
67	chr10	86001154		-0.35759	-2.46365	0.014744	0.86711
cg157658							
17	chr11	78614359		0.435737	2.465958	0.014652	0.86711
cg020492							
17	chr8	13191645		-0.33236	-2.46551	0.01467	0.86711
cg184966							
62	chr10	1.27E+08		-0.26224	-2.46555	0.014669	0.86711

cg210500							
76	chr19	13002784		0.315279	2.469415	0.014517	0.86711
cg195473							
19	chr10	1.03E+08		0.258212	2.461831	0.014816	0.86711
cg012148							
98	chr11	27385056		0.245109	2.47161	0.014431	0.866711
cg247949							
92	chr16	21689897		-0.33645	-2.46469	0.014703	0.86711
cg079768							
60	chr16	67281332		-0.16062	-2.46811	0.014568	0.86711
cg200730							
07	chr8	1.44E+08	GPIHBP1	-0.24668	-2.46873	0.014543	0.86711
cg202532							
12	chr4	41694822		-0.37053	-2.47585	0.014267	0.86447
cg077503							
78	chr7	50132764		0.494002	2.469451	0.014515	0.86711
cg032029							
35	chr15	25442696		-0.30844	-2.46171	0.014821	0.86711
cg262158							
87	chr10	1.01E+08		-0.14796	-2.46457	0.014707	0.86711
cg157264			KCNA3;ENSG000				
26	chr1	1.11E+08	00259834;CD53	0.34453	2.465087	0.014687	0.86711
cg035995							
90	chr3	1.12E+08	CD96	0.398134	2.46653	0.01463	0.86711
cg218444							
50	chr20	8112956		0.317798	2.465621	0.014666	0.86711
cg169263							
02	chr1	77411902		-0.295	-2.46477	0.014699	0.86711
cg166225			SORBS1;ALDH18				
20	chr10	97264760	A1	0.241458	2.463481	0.014751	0.86711
cg047223							
49	chr2	1.33E+08		0.554229	2.463898	0.014734	0.86711
cg257667							
48	chr19	13614882		0.301705	2.469541	0.014512	0.86711
cg173406							
55	chr8	38088874		-0.19829	-2.46632	0.014638	0.86711
cg052040							
97	chr16	979553		0.291547	2.466096	0.014647	0.86711
cg194024							
05	chr10	64576514		-0.14196	-2.46885	0.014539	0.86711
cg196958							
67	chr1	1.1E+08		0.453172	2.465063	0.014688	0.86711
cg007740							
05	chr7	96633726		0.313095	2.478743	0.014156	0.86447
cg236804							
80	chr22	29139549		0.304068	2.468688	0.014545	0.86711

cg110715							
34	chr7	1.28E+08		-0.171	-2.47076	0.014464	0.866837
cg149825							
06	chr10	24832948		-0.2844	-2.47255	0.014395	0.866711
cg112957							
24	chr20	1538353	SDCBP2	-0.33378	-2.46486	0.014696	0.86711
cg089759							
17	chr10	1.35E+08	CYP2E1	-0.24629	-2.46685	0.014617	0.86711
			SH3PXD2A;ARL3; CNNM2;LDB1;C1 0orf32;C10orf95 ;NFKB2;CALHM2 ;TRIM8;PPRC1;K				
cg032108							
27	chr10	1.05E+08	CNIP2;WBP1L	0.527373	2.471456	0.014437	0.866711
cg068101							
34	chr19	581326		0.263378	2.461931	0.014812	0.86711
cg138495							
52	chr18	42260056		-0.29287	-2.46608	0.014648	0.86711
cg049999							
99	chr20	62029358		-0.28254	-2.4712	0.014447	0.866711
cg023609							
80	chr15	41804283		0.285683	2.476193	0.014253	0.86447
cg246936							
95	chr5	1.31E+08		-0.41812	-2.46296	0.014771	0.86711
cg248567							
26	chr12	1.08E+08		0.449328	2.46162	0.014825	0.86711
cg058907							
85	chr19	53811704		0.439916	2.463884	0.014735	0.86711
cg102685							
09	chr16	89120300		0.42327	2.471008	0.014454	0.866837
cg221645							
31	chr1	1.92E+08		-0.43182	-2.4648	0.014698	0.86711
cg133601							
50	chr11	27528592		-0.32	-2.46532	0.014678	0.86711
cg005004							
81	chr6	36562387		-0.1794	-2.46464	0.014704	0.86711
cg034084							
33	chr12	1.09E+08		0.310687	2.459863	0.014895	0.86711
cg141315							
36	chr2	98340921		0.529868	2.458543	0.014948	0.86711
cg060874							
21	chr1	47695138	TAL1;CYP4B1	0.3037	2.468653	0.014546	0.86711
cg202193							
81	chr8	1.01E+08		0.289992	2.472828	0.014384	0.866711



cg045392							
40	chr16	87651957	-0.2653	-2.4611	0.014845	0.86711	
cg049596							
34	chr7	27219224	0.345468	2.461864	0.014815	0.86711	
cg036106							
04	chr1	1.57E+08	0.235246	2.4607	0.014861	0.86711	
cg211222							
25	chr2	2.39E+08	0.364191	2.463977	0.014731	0.86711	
cg042344							
29	chr17	17259574	-0.29866	-2.46405	0.014728	0.86711	
cg107825							
34	chr4	8253322	-0.26362	-2.4686	0.014549	0.86711	
cg074564							
85	chr12	1.05E+08	0.255938	2.478183	0.014177	0.86447	
cg185833							
06	chr17	208594	0.260984	2.465701	0.014663	0.86711	
cg231367							
42	chr2	26950956	-0.54604	-2.46607	0.014648	0.86711	
cg001895							
33	chr10	1.27E+08	-0.319	-2.46245	0.014792	0.86711	
cg022787							
28	chr6	1595575	0.364832	2.461148	0.014843	0.86711	
cg079280							
60	chr19	46266212 PNMAL1	-0.22579	-2.46925	0.014523	0.86711	
cg235219							
73	chr10	1.25E+08	0.320669	2.460745	0.014859	0.86711	
cg007240							
15	chr2	1.19E+08 STEAP3	-0.27864	-2.46331	0.014757	0.86711	
cg184933							
14	chr14	21899075	0.273583	2.465042	0.014689	0.86711	
cg150239							
33	chr6	1.69E+08	0.252418	2.46738	0.014596	0.86711	
cg138747							
39	chr11	1.29E+08	0.616457	2.463796	0.014738	0.86711	
cg028078							
59	chr13	28350407	0.298681	2.46366	0.014743	0.86711	
cg156781							
21	chr19	57352519	0.258383	2.475941	0.014263	0.86447	
cg232619							
19	chr10	1.35E+08	-0.67893	-2.45597	0.015051	0.867801	
cg004722							
81	chr5	1205496 TRIP13;LPCAT1	-0.25092	-2.46013	0.014884	0.86711	
cg084617							
05	chr2	2.03E+08	-0.39023	-2.47657	0.014239	0.86447	
cg231617							
33	chr10	1.08E+08	-0.34036	-2.46047	0.014871	0.86711	
cg191861							
45	chr2	45169562	0.645678	2.45684	0.015016	0.86711	
cg111829							
31	chr6	97731056	-0.25246	-2.4595	0.014909	0.86711	

cg260445							
66	chr1	3124703		-0.31979	-2.46529	0.014679	0.86711
cg146151			RNF19B;AK2;SYN				
52	chr1	34093099	C;YARS	-0.40079	-2.46022	0.014881	0.86711
cg149754							
29	chr2	1.83E+08		0.274094	2.458121	0.014965	0.86711
cg178181							
96	chr15	63336009		0.27683	2.460341	0.014876	0.86711
cg037892							
76	chr3	1.6E+08		-0.20742	-2.46949	0.014514	0.86711
cg144029							
55	chr19	56090200		0.487003	2.458947	0.014931	0.86711
cg037080							
12	chr10	1.23E+08		-0.37625	-2.45713	0.015005	0.86711
cg037557							
94	chr5	1.56E+08		-0.2425	-2.46428	0.014719	0.86711
cg239770							
11	chr2	2.2E+08		-0.261	-2.45924	0.01492	0.86711
cg197742							
88	chr19	48385028		-0.25842	-2.45957	0.014906	0.86711
cg258666							
34	chr10	1.32E+08	GLRX3	-0.3404	-2.45755	0.014988	0.86711
cg004216							
54	chr5	1.18E+08		-0.1744	-2.46442	0.014713	0.86711
cg170297							
21	chr1	27317434		-0.26371	-2.45898	0.01493	0.86711
cg074946							
91	chr22	44395110		-0.2108	-2.46307	0.014767	0.86711
cg233827							
00	chr12	50451000		-0.36587	-2.46222	0.014801	0.86711
cg152102							
76	chr19	19374178	LRRC25	-0.32989	-2.45546	0.015072	0.867801
cg080309							
34	chr13	21678628		0.360762	2.463242	0.01476	0.86711
cg052530			ENSG000002422				
57	chr3	1.01E+08	99;ZNF90P1	-0.18877	-2.47678	0.014231	0.86447
cg111869							
62	chr3	1.42E+08		0.136557	2.460258	0.014879	0.86711
cg250194							
86	chr10	1.34E+08		0.292913	2.464689	0.014703	0.86711
cg233972							
78	chr11	64051699		-0.26015	-2.46205	0.014808	0.86711
cg016632							
25	chr11	1.24E+08		-0.24954	-2.46233	0.014796	0.86711
cg144948							
08	chr9	1.23E+08		-0.37045	-2.46457	0.014707	0.86711
cg137682							
42	chr13	1.13E+08		-0.44879	-2.45879	0.014938	0.86711

cg092243							
93	chr14	34268920		0.562384	2.45998	0.01489	0.86711
cg125252							
19	chr4	1228640	SLBP	-0.34363	-2.46753	0.014591	0.86711
cg274719							
89	chr16	84326435		0.229286	2.46285	0.014776	0.86711
cg081551							
16	chr17	79027207		0.412482	2.457031	0.015009	0.86711
cg234353							
87	chr13	25416561		0.253339	2.462541	0.014788	0.86711
cg043370							
56	chr3	1.58E+08		-0.40822	-2.46221	0.014801	0.86711
cg255136							
35	chr19	18981378		0.361354	2.458626	0.014944	0.86711
cg123384							
17	chr3	32860178		0.418295	2.459753	0.014899	0.86711
cg080070			ENSG000002614				
74	chr16	84346361	71	0.274033	2.456588	0.015026	0.867211

			ANKRD18CP;CCD				
			C180;FOXE1;FA				
cg144517							
71	chr9	1.01E+08	M220CP	0.338878	2.464537	0.014709	0.86711
cg126758							
00	chr14	39639447		-0.24382	-2.46586	0.014656	0.86711
cg011418							
38	chr11	62474744		0.256795	2.459702	0.014901	0.86711
cg006141							
57	chr5	1.12E+08		-0.28523	-2.46692	0.014614	0.86711
cg133532							
45	chr8	1.46E+08		-0.15313	-2.45754	0.014988	0.86711
cg132156							
43	chr14	59104825		0.18747	2.477668	0.014197	0.86447
cg260844							
84	chr5	1.4E+08		-0.2059	-2.46119	0.014842	0.86711
cg076973							
21	chr17	72921103	SLC9A3R1;LLGL2	0.271609	2.454355	0.015117	0.867801
cg018795							
06	chr16	24394920	ARHGAP17	-0.26438	-2.46374	0.01474	0.86711
cg051818							
46	chr7	1.51E+08		-0.22129	-2.45789	0.014974	0.86711
cg001106							
87	chr17	80989065		0.36256	2.45711	0.015005	0.86711
cg199413							
70	chr14	35874353		-0.17777	-2.45737	0.014995	0.86711
cg220687							
40	chr3	98342807		-0.32497	-2.46352	0.014749	0.86711
cg221603							
00	chr3	1.77E+08		-0.42255	-2.45891	0.014933	0.86711



cg029956							
64	chr2	98613076	0.373585	2.459571	0.014906	0.86711	
cg266904							
62	chr3	11602331	-0.23692	-2.45863	0.014944	0.86711	
cg108076							
43	chr14	55907417	0.37214	2.460929	0.014852	0.86711	
cg063935							
58	chr11	69982916 CTTN	-0.43934	-2.45766	0.014983	0.86711	
cg080174							
50	chr11	46886932	-0.3339	-2.4586	0.014945	0.86711	
cg207618							
10	chr8	1.41E+08	0.432326	2.455093	0.015087	0.867801	
cg073536							
20	chr19	4770564	-0.39899	-2.45525	0.015081	0.867801	
cg090463							
70	chr5	1.79E+08	-0.42958	-2.45746	0.014991	0.86711	
cg011958							
58	chr20	42839569	-0.19202	-2.45653	0.015029	0.867211	
cg131952							
18	chr1	2.24E+08	0.174899	2.459729	0.0149	0.86711	
cg196196							
25	chr6	7108637	0.425352	2.50094	0.013328	0.860353	
cg237657							
01	chr4	84031513	0.311856	2.460299	0.014877	0.86711	
cg110368							
33	chr5	1.15E+08	0.289047	2.45824	0.01496	0.86711	
cg239035							
97	chr17	61704154	0.345475	2.456962	0.015011	0.86711	
cg214540							
31	chr17	73030356	0.254084	2.464954	0.014692	0.86711	
cg221937							
36	chr11	18127676	0.233547	2.457635	0.014984	0.86711	
cg021264							
64	chr7	1.29E+08	-0.27413	-2.45928	0.014918	0.86711	
cg102923							
76	chr12	52995070 ITGB7	0.243667	2.461217	0.014841	0.86711	
cg220304							
57	chr19	30215233	0.232279	2.462768	0.014779	0.86711	
cg250781							
50	chr10	1.19E+08	0.249191	2.468286	0.014561	0.86711	
cg015186							
07	chr6	27235891 HCG11	0.336333	2.456861	0.015015	0.86711	
cg274931							
51	chr19	38701994 HKR1	-0.1926	-2.45394	0.015134	0.867801	
cg274576							
98	chr16	28565225	-0.12732	-2.4558	0.015058	0.867801	
cg118457							
28	chr10	1.15E+08	0.201253	2.457835	0.014976	0.86711	
cg072481							
81	chr1	4472087	-0.28857	-2.46298	0.014771	0.86711	

cg043438							
68	chr10	11487096	-0.33929	-2.45876	0.014939	0.86711	
cg144918							
90	chr9	81967145	-0.36247	-2.45607	0.015047	0.867801	
cg233615							
79	chr13	1.14E+08	-0.22889	-2.46246	0.014791	0.86711	
cg154547							
26	chr1	2.42E+08	0.241061	2.459055	0.014927	0.86711	
cg193648							
79	chr12	1.12E+08	0.191099	2.464273	0.014719	0.86711	
cg016395							
62	chr19	36024876	0.313419	2.45554	0.015069	0.867801	
cg206410							
95	chr17	40374347	0.282769	2.459025	0.014928	0.86711	
cg188238							
46	chr10	53459691	-0.2304	-2.46131	0.014837	0.86711	
ch.2.3094							
2488F	chr2	31088984	-0.31235	-2.45816	0.014963	0.86711	
ch.17.165							
29697F	chr17	16588972 CENPV	-0.35924	-2.46552	0.01467	0.86711	
cg095876							
40	chr10	1.03E+08	-0.34212	-2.46076	0.014859	0.86711	
cg021471							
94	chr5	1.41E+08	0.297832	2.454375	0.015116	0.867801	
cg232811							
23	chr2	65540411	0.383984	2.454175	0.015124	0.867801	
cg062057							
46	chr13	1.14E+08	-0.3385	-2.45318	0.015165	0.868218	
cg079793		SLA2;SAMHD1;S					
48	chr20	35198387 RC;TLDC2	-0.26283	-2.47118	0.014448	0.866711	
cg159243							
32	chr10	7710179	0.334724	2.458219	0.014961	0.86711	
cg073830							
76	chr16	48266305	0.227189	2.468997	0.014533	0.86711	
cg236201							
84	chr14	23772616	-0.25949	-2.46034	0.014876	0.86711	
cg047832							
28	chr16	2381245	-0.26707	-2.45454	0.015109	0.867801	
cg112038							
27	chr10	1E+08	0.33165	2.452076	0.01521	0.868419	
cg076602							
36	chr6	28367883	0.374095	2.45997	0.01489	0.86711	
cg188173							
18	chr13	77565875	-0.24742	-2.46174	0.01482	0.86711	
cg005298							
10	chr19	49535657	0.356959	2.454034	0.01513	0.867801	

		LZTFL1;EXOSC7;F					
cg112114		YCO1;ALS2CL;LR					
86	chr3	46033800	RC2	0.396674	2.461417	0.014833	0.86711
cg105735							
60	chr12	1.11E+08		0.219883	2.450745	0.015264	0.869314
cg252916							
03	chr6	1.52E+08		0.323895	2.464087	0.014726	0.86711
cg222236							
55	chr18	67872902		-0.6408	-2.44991	0.015298	0.869918
cg029640							
36	chr17	8090106		-0.2545	-2.45887	0.014935	0.86711
cg099740							
63	chr11	1.06E+08		-0.35037	-2.45838	0.014954	0.86711
cg062026							
67	chr2	2.43E+08		-0.32233	-2.46202	0.014809	0.86711
cg048265							
16	chr16	1401898		0.171889	2.457197	0.015002	0.86711
cg209765							
75	chr8	94753123		-0.19503	-2.45833	0.014956	0.86711
cg266737							
84	chr10	80787497		-0.44327	-2.45572	0.015062	0.867801
cg150964							
61	chr17	34097101		0.423661	2.461684	0.014822	0.86711
cg132626							
87	chr4	1.48E+08		0.411744	2.458941	0.014932	0.86711
cg042972							
46	chr4	1.47E+08		-0.26999	-2.46295	0.014771	0.86711
cg177144							
37	chr6	1101644		-0.25947	-2.45432	0.015118	0.867801
cg017462							
41	chr9	34370835	UNC13B	0.33988	2.457185	0.015002	0.86711
cg210928							
08	chr2	1.77E+08	HOXD-AS1	0.310291	2.458211	0.014961	0.86711
cg256282							
43	chr3	1.96E+08		-0.1772	-2.46087	0.014855	0.86711
cg072700							
21	chr8	60627336		-0.44746	-2.4549	0.015095	0.867801
cg264011							
72	chr7	4815321		0.258187	2.459103	0.014925	0.86711
cg141132							
40	chr9	1.11E+08		-0.65291	-2.45221	0.015204	0.868419
cg207147							
08	chr15	1.02E+08		0.496472	2.466419	0.014634	0.86711
cg259501							
12	chr5	1.71E+08		0.276925	2.461777	0.014818	0.86711
cg020914							
89	chr19	39574186	SARS2	0.360899	2.451529	0.015232	0.868608

cg258423							
56	chr5	1.26E+08		0.304736	2.459098	0.014925	0.86711
cg244218							
65	chr21	45919623		-0.2115	-2.45525	0.015081	0.867801
cg198641							
38	chr3	62351484	PTPRG	0.318321	2.466368	0.014636	0.86711
cg182578							
39	chr15	63369284		0.264493	2.45984	0.014896	0.86711
cg069322			GNAI3;LAMTOR				
56	chr1	1.1E+08	5;TAF13	0.269235	2.456882	0.015015	0.86711
cg257172							
39	chr7	43153595		0.329629	2.453711	0.015143	0.867801
cg107579							
89	chr8	61621248		0.254675	2.462721	0.014781	0.86711
cg067935			CYB5R4;MRAP2;				
62	chr6	85482570	SNX14	0.389302	2.459585	0.014906	0.86711
cg020621							
23	chr17	26733583		0.206576	2.463263	0.014759	0.86711
cg210918							
41	chr13	34251239	KL	0.367125	2.457107	0.015005	0.86711
cg188000							
85	chr1	1.68E+08		-0.17659	-2.46	0.014889	0.86711
cg107038							
26	chr1	1.2E+08		0.381831	2.458908	0.014933	0.86711
cg003971							
79	chr12	1.15E+08		0.304359	2.456495	0.01503	0.867211
cg118066							
35	chr1	19181040		0.42294	2.457419	0.014993	0.86711
cg098740							
52	chr1	1.01E+08		0.264653	2.459924	0.014892	0.86711
cg018578							
02	chr8	98788476		0.253879	2.454067	0.015128	0.867801
cg101792							
38	chr5	95296847		0.234219	2.45572	0.015061	0.867801
cg177952							
52	chr3	1.81E+08		-0.34582	-2.45864	0.014944	0.86711
cg031607							
40	chr3	42544400		0.24366	2.451803	0.015221	0.86847
cg091239							
89	chr12	1.25E+08		-0.21334	-2.45628	0.015039	0.867592
cg034823							
39	chr8	38088883		-0.26451	-2.45076	0.015263	0.869314
cg060083							
84	chr6	49589093		-0.22636	-2.45941	0.014913	0.86711
cg268744							
64	chr7	43244221	DBNL	-0.31726	-2.45498	0.015091	0.867801
cg052055							
63	chr12	64238503		-0.28216	-2.45695	0.015012	0.86711

cg209050							
88	chr12	28116451		0.319448	2.451545	0.015231	0.868608
cg001709							
31	chr13	51915353		-0.28183	-2.45023	0.015285	0.869742
cg181432							
96	chr3	1.58E+08		0.366857	2.465825	0.014658	0.86711
cg166203							
64	chr19	536530		-0.32489	-2.45893	0.014932	0.86711
cg266065			ENSG000002290				
89	chr7	64403082	64	0.394279	2.453915	0.015135	0.867801
cg175553							
73	chr13	53775108		0.513887	2.4586	0.014945	0.86711
cg225991							
22	chr1	34329757	RNF19B	-0.31147	-2.4494	0.015319	0.870071
cg093254							
04	chr2	43903470		0.61063	2.450863	0.015259	0.86927
cg004986							
04	chr4	1.67E+08		0.314084	2.451188	0.015246	0.868977
cg060122							
69	chr19	17608374	B3GNT3;ISYNA1	0.303109	2.455473	0.015071	0.867801
cg114124							
68	chr2	84433405		-0.3178	-2.45544	0.015073	0.867801
cg056701							
92	chr19	56154902		-0.29675	-2.45441	0.015115	0.867801
cg221025							
82	chr18	44237151		-0.26028	-2.45375	0.015141	0.867801
cg141129							
85	chr11	1.17E+08		0.286791	2.453833	0.015138	0.867801
cg179864							
63	chr6	1.5E+08		0.196182	2.457827	0.014976	0.86711
cg107414							
43	chr19	41870132		0.208646	2.450114	0.01529	0.869742
cg179701							
07	chr1	25831485		-0.24032	-2.45742	0.014993	0.86711
cg238603							
21	chr6	1.6E+08		-0.35807	-2.44979	0.015303	0.869918
cg115312							
72	chr1	21934679		0.337774	2.451808	0.01522	0.86847
cg231686							
03	chr2	6905051	RNF144A	0.314525	2.453769	0.015141	0.867801
cg136146							
59	chr20	17949644		-0.19601	-2.45197	0.015214	0.868419
cg174271							
54	chr1	2.47E+08		0.14794	2.45697	0.015011	0.86711
			PPP1R18;SLC44A				
cg098228			4;DDR1;DHX16;				
12	chr6	30855729	NRM;CLIC1	-0.35025	-2.45763	0.014984	0.86711

cg008902							
08	chr9	37025102		0.286291	2.454743	0.015101	0.867801
cg038252							
34	chr16	1213894		-0.29434	-2.45024	0.015285	0.869742
cg143082							
86	chr4	22780491		-0.34361	-2.44915	0.015329	0.870315
cg083024							
33	chr10	1.35E+08		-0.22814	-2.45351	0.015151	0.867897
cg060164							
66	chr5	1.15E+08		-0.16797	-2.46175	0.014819	0.86711
cg249934							
43	chr15	25123549		0.40065	2.462043	0.014808	0.86711
cg014305							
88	chr17	56769767		0.320196	2.452929	0.015175	0.868218
cg182453			FAM83H-				
16	chr8	1.45E+08	AS1;EEF1D	-0.36498	-2.46146	0.014831	0.86711
cg158234							
95	chr12	1.23E+08	HCAR1;CLIP1	-0.39345	-2.4574	0.014994	0.86711
cg197463							
75	chr7	1.57E+08	PTPRN2	-0.31354	-2.45573	0.015061	0.867801
cg259881							
05	chr6	30681476		0.337698	2.456726	0.015021	0.867211
cg105487							
08	chr3	38175456		-0.25979	-2.45551	0.01507	0.867801
cg104185			ENSG000002481				
67	chr4	52917567	15	-0.29968	-2.45414	0.015126	0.867801
cg258107							
92	chr13	1.13E+08		0.392789	2.453168	0.015165	0.868218
cg057466							
08	chr14	50698469		-0.2606	-2.45088	0.015258	0.86927
cg239712							
26	chr11	1.34E+08		-0.26008	-2.44862	0.015351	0.870676
cg196577							
23	chr12	50451314		0.131712	2.453686	0.015144	0.867801
cg015306							
34	chr14	70233602		0.364459	2.454711	0.015102	0.867801
cg080060							
76	chr17	72772519		-0.18424	-2.453	0.015172	0.868218
cg172943							
30	chr17	77089070		-0.2279	-2.4535	0.015152	0.867897
cg134446			ENSG000002699				
70	chr10	98098271	48	-0.41871	-2.45398	0.015132	0.867801
cg054336							
57	chr10	71006703		0.291659	2.449489	0.015315	0.870042
cg008248							
06	chr21	46350872	ITGB2;TRPM2	-0.42401	-2.4481	0.015373	0.870676
cg027400							
93	chr16	11930389		-0.24818	-2.45737	0.014995	0.86711

cg000906							
48	chr1	2.26E+08		-0.18887	-2.45669	0.015022	0.867211
cg256194							
61	chr1	2.27E+08		0.297658	2.453906	0.015135	0.867801
cg072511							
28	chr11	67239107	CCS;PELI3	-0.30481	-2.45544	0.015073	0.867801

			GPLD1;ALDH5A1				
cg140234			;KIAA0319;DCDC				
51	chr6	24489887	2;FAM65B	0.545268	2.452449	0.015194	0.868419
cg045561							
26	chr3	1.47E+08		0.321836	2.452132	0.015207	0.868419
cg238610							
78	chr2	27435638		-0.18322	-2.45933	0.014916	0.86711
cg133793							
39	chr8	10717181		-0.28564	-2.45291	0.015176	0.868218
cg117434							
48	chr12	1.04E+08		0.391159	2.456231	0.015041	0.867592
cg159855							
09	chr19	56671023		0.276225	2.45027	0.015283	0.869742

			TNFRSF10A;TNF				
			RSF10B;ENTPD4;				
			ENSG000002539				
cg019661							
60	chr8	22786360	30	0.405764	2.447557	0.015395	0.870715
cg150844							
67	chr1	2.42E+08		0.248655	2.471919	0.014419	0.866711
cg051265							
81	chr1	2.16E+08		-0.32658	-2.44835	0.015362	0.870676
cg013380							
43	chr7	1E+08		-0.49707	-2.45376	0.015141	0.867801
cg224922							
71	chr7	36959489		-0.33535	-2.45926	0.014919	0.86711
cg189452							
99	chr17	77397485		0.342229	2.45652	0.015029	0.867211
cg001065							
01	chr15	41186668		-0.21382	-2.45273	0.015183	0.8684
cg179789							
96	chr6	1.07E+08		0.227798	2.457772	0.014979	0.86711
cg153246							
51	chr6	1.38E+08		0.236872	2.452293	0.015201	0.868419
cg145576							
99	chr5	1.4E+08		0.498168	2.449982	0.015295	0.869918
cg265409							
31	chr7	2671163		-0.17487	-2.44969	0.015307	0.87003
cg026906							
38	chr10	83635375		0.347521	2.447122	0.015413	0.871029

cg192397							
67	chr2	1.28E+08	UGGT1	-0.28896	-2.4522	0.015204	0.868419
			LINC00035;CLIP2				
			;ENSG00000232				
cg274697			415;WBSCR22;A				
19	chr7	73134089	BHD11;CLDN3	-0.18534	-2.45318	0.015165	0.868218
cg087978							
37	chr7	25019943		-0.291	-2.45401	0.015131	0.867801
cg260142							
81	chr7	1.57E+08		-0.35023	-2.45807	0.014967	0.86711
cg001409							
14	chr17	44859215		-0.15874	-2.44903	0.015334	0.870315
cg234379							
73	chr12	1.33E+08		-0.28918	-2.46239	0.014794	0.86711
cg184511							
31	chr7	5396268		0.284284	2.455581	0.015067	0.867801
cg059898							
62	chr11	67896186		0.380714	2.446102	0.015455	0.871029
cg187102							
78	chr5	19988366		0.302348	2.451827	0.01522	0.86847
cg065453							
61	chr2	14773388		-0.21784	-2.4542	0.015123	0.867801
cg147957							
50	chr4	1.34E+08		0.35893	2.451983	0.015213	0.868419
cg063128							
16	chr3	1.94E+08		-0.4382	-2.44959	0.015311	0.87003
cg065318							
00	chr4	1.49E+08		0.243627	2.454227	0.015122	0.867801
cg189326							
99	chr8	64518293		0.402791	2.454838	0.015097	0.867801
cg184020							
34	chr6	31698651	MICB;HCP5	-0.21738	-2.44828	0.015365	0.870676
cg088587							
51	chr19	35264235		-0.26636	-2.46089	0.014854	0.86711
cg081697							
78	chr11	1.16E+08		0.321302	2.446929	0.015421	0.871029
cg171242							
78	chr6	31632953		0.148763	2.44913	0.01533	0.870315
cg066753							
41	chr11	20408613		-0.28463	-2.4531	0.015168	0.868218
cg140949							
83	chr7	8482099		-0.21165	-2.44833	0.015363	0.870676
cg270884							
49	chr22	21272634		-0.15357	-2.44746	0.015399	0.870715
cg138611			ENSG000002645				
80	chr9	1.4E+08	27;SNHG7	-0.29879	-2.45151	0.015232	0.868608



cg175194							
49	chr1	32205031 SYNC	-0.37655	-2.45202	0.015212	0.868419	
cg023218							
85	chr19	11032537	0.291885	2.451267	0.015243	0.868907	
cg166361							
10	chr19	57702479	0.287107	2.449025	0.015334	0.870315	
cg170288							
14	chr1	1.61E+08 PVRL4	-0.31823	-2.44856	0.015354	0.870676	
cg115054							
04	chr6	32730243	-0.2468	-2.45013	0.015289	0.869742	
cg232348							
20	chr22	43089041	-0.27321	-2.44813	0.015371	0.870676	
cg192752							
00	chr19	9473240 ZNF317	-0.3752	-2.45155	0.015231	0.868608	
cg233136							
50	chr7	1.23E+08	0.161166	2.450175	0.015287	0.869742	
cg051534							
74	chr22	39884449	-0.29242	-2.45497	0.015092	0.867801	
cg226113							
08	chr6	1.69E+08 SMOC2	-0.3161	-2.44742	0.015401	0.870715	
cg093647							
33	chr13	33163175 KL;STARD13	0.384795	2.452985	0.015172	0.868218	
cg002716							
33	chr15	66162152	-0.37077	-2.44549	0.01548	0.871029	
cg024737							
15	chr17	4699345	-0.36538	-2.44938	0.01532	0.870071	
cg058220							
22	chr12	56397822	-0.27205	-2.45441	0.015115	0.867801	
cg242559							
10	chr8	39442089	-0.30629	-2.44669	0.015431	0.871029	
cg144084							
65	chr14	48143434	0.426516	2.45351	0.015151	0.867897	
cg033467							
06	chr19	3162988 C19orf71;NFIC	0.252559	2.454346	0.015117	0.867801	
cg267300							
17	chr16	88358185	-0.15997	-2.4514	0.015237	0.868725	
cg211461							
70	chr8	1266962 TDRP	-0.28848	-2.44986	0.0153	0.869918	
cg242317							
16	chr5	76934501	0.391898	2.457087	0.015006	0.86711	
cg001439							
98	chr1	2.29E+08	-0.27132	-2.45012	0.015289	0.869742	
cg064280							
91	chr16	3340853	0.247462	2.455482	0.015071	0.867801	
ch.19.102							
4848R	chr19	31553592	-0.18391	-2.45312	0.015167	0.868218	
cg034383							
05	chr1	1.52E+08	-0.25809	-2.45471	0.015102	0.867801	
cg159890							
68	chr2	5837057	0.387789	2.445298	0.015488	0.871029	

cg088533							
99	chr5	65528850		-0.39058	-2.46229	0.014798	0.86711
cg152324							
50	chr3	4345438	EDEM1;ARL8B	-0.19983	-2.45103	0.015252	0.869103
cg078905							
14	chr3	72897063		-0.16998	-2.44697	0.015419	0.871029
cg199561			NXN;GEMIN4;SC				
47	chr17	800431	ARF1	0.475713	2.452169	0.015206	0.868419
cg063682							
93	chr19	3207977		0.309902	2.444225	0.015533	0.871029
cg164936							
98	chr18	77749083		-0.31823	-2.44441	0.015525	0.871029
cg235861							
21	chr10	1.35E+08		-0.31802	-2.44759	0.015393	0.870715
cg045114			TIE1;TMEM125; ATP6V0B;C1orf2				
44	chr1	44358979	10;CDC20	0.235921	2.452288	0.015201	0.868419
cg142216							
17	chr9	38396850		0.321426	2.444979	0.015501	0.871029
cg001903							
19	chr3	47462780		0.342911	2.447577	0.015394	0.870715
cg141130							
35	chr2	2.41E+08		0.451379	2.448202	0.015368	0.870676
cg046625							
32	chr12	54330125		0.294651	2.448746	0.015346	0.870619
cg032626							
05	chr7	1.19E+08		0.367745	2.446403	0.015442	0.871029
cg072088							
53	chr1	2E+08		0.334226	2.44406	0.01554	0.871029
cg091177							
78	chr1	2.09E+08		0.311119	2.452836	0.015179	0.868269
cg002957							
80	chr1	2.44E+08		-0.22559	-2.45436	0.015117	0.867801
cg181618							
90	chr12	52995250	ITGB7	0.308515	2.448748	0.015346	0.870619
cg124175							
39	chr10	1.34E+08		-0.22858	-2.44912	0.01533	0.870315
cg188583							
43	chr10	72972901		0.321694	2.450618	0.015269	0.869493
cg135638							
63	chr19	3506439		-0.21392	-2.44426	0.015531	0.871029
cg241304							
59	chr5	375776		-0.254	-2.44979	0.015303	0.869918
cg272941							
56	chr20	31619500		0.318444	2.449518	0.015314	0.870042
cg131959							
54	chr8	1.42E+08		-0.27645	-2.44398	0.015543	0.871029

cg232004						
04	chr2	25441766	-0.29609	-2.45228	0.015201	0.868419
cg198522						
64	chr19	10662619	0.223068	2.444739	0.015511	0.871029
cg059192						
11	chr14	23844934	-0.25735	-2.45703	0.015009	0.86711
cg265508						
61	chr6	74072376	0.582658	2.447513	0.015397	0.870715
cg235624						
79	chr11	4469894	-0.32625	-2.45881	0.014937	0.86711
cg233130						
31	chr6	29974745	0.229807	2.447485	0.015398	0.870715
cg009636						
54	chr18	13801271	0.269292	2.460908	0.014853	0.86711
cg010207						
44	chr5	63255888	0.371212	2.451495	0.015233	0.868608
cg229765						
88	chr12	26865256	-0.25968	-2.44613	0.015454	0.871029
cg234283						
92	chr8	47093117	0.182579	2.443243	0.015574	0.871029
cg205199						
44	chr7	1.57E+08	-0.3075	-2.44885	0.015342	0.870614
cg251310						
79	chr5	1.79E+08	0.379281	2.44449	0.015522	0.871029
cg156941						
17	chr19	2717422	0.898165	2.446621	0.015434	0.871029
cg029479						
93	chr11	27528506	0.242478	2.451111	0.015249	0.86904
cg064959						
61	chr7	1.54E+08	0.443017	2.444229	0.015533	0.871029
cg155394						
20	chr17	46692248	0.320605	2.443838	0.015549	0.871029
cg226759						
22	chr11	2889840 LSP1	-0.31443	-2.44365	0.015557	0.871029
cg159552						
91	chr1	2.36E+08	0.278829	2.442065	0.015623	0.871636
cg144100						
16	chr2	1.77E+08	0.332821	2.444237	0.015532	0.871029
cg177337						
02	chr1	1.55E+08	0.246967	2.447897	0.015381	0.870714
cg112809						
88	chr7	4823097	0.229664	2.443297	0.015571	0.871029
cg153371						
96	chr3	44727578	-0.29572	-2.44571	0.015471	0.871029
cg245548						
39	chr1	1.66E+08	-0.31574	-2.44479	0.015509	0.871029
cg114054						
58	chr5	1.07E+08	0.292293	2.445388	0.015485	0.871029
cg177762						
07	chr6	32714066	-0.39408	-2.44309	0.01558	0.871029

cg19090637	chr4	1.11E+08		-0.18293	-2.44623	0.01545	0.871029
cg04495354	chr16	57294356	MT1E	-0.29714	-2.4466	0.015434	0.871029
cg04137133	chr6	33157147		-0.23842	-2.4422	0.015617	0.871446
cg03464232	chr8	1.46E+08		-0.21968	-2.44804	0.015375	0.870676
cg14934413	chr11	20184162		0.276168	2.446098	0.015455	0.871029
cg22177840	chr3	90139296		0.436132	2.452148	0.015207	0.868419
cg03433942	chr3	1.28E+08	KBTBD12;ABTB1;SEC61A1;RAB43	-0.31281	-2.4435	0.015563	0.871029
cg26483743	chr1	25566460		-0.33719	-2.44689	0.015422	0.871029
cg07434244	chr1	2.1E+08		-0.27021	-2.44543	0.015483	0.871029
cg09118053	chr6	33873732	SYNGAP1;PFDN6;ENSG00000272288;ANKS1A;ZBTB9;ITPR3;HSD17B8;B3GALT4;RGL2;CUTA	0.308262	2.459293	0.014918	0.86711
cg01363109	chr9	1.01E+08		-0.21796	-2.4455	0.01548	0.871029
cg18366882	chr5	1.72E+08		0.256335	2.449625	0.01531	0.87003
cg20342432	chr2	2.41E+08		0.413477	2.443338	0.01557	0.871029
cg15804975	chr2	1828438		0.279007	2.444603	0.015517	0.871029
cg25868831	chr11	368588		-0.32818	-2.4461	0.015455	0.871029
cg07189673	chr10	1.25E+08		0.474343	2.465709	0.014662	0.86711
cg07017597	chr15	32983650	FMN1	-0.24011	-2.45909	0.014926	0.86711
cg14340481	chr9	3828562	GLIS3;ENSG00000237359	-0.29885	-2.44307	0.015581	0.871029
cg14623715	chr6	1.36E+08	PDE7B;ENSG00000227844	0.637179	2.443011	0.015583	0.871029

cg059865							
05	chr8	99955563		0.305226	2.443632	0.015557	0.871029
cg052702							
90	chr15	29562120		0.238376	2.452614	0.015188	0.868419
ch.12.206							
169F	chr12	7044838		-0.3611	-2.44825	0.015366	0.870676
cg065656							
15	chr5	1.38E+08		-0.25519	-2.44495	0.015503	0.871029
cg243033							
06	chr3	1.26E+08		-0.4517	-2.43838	0.015777	0.871963
cg228695							
67	chr12	13588746		0.377817	2.439481	0.015731	0.871845
cg028112							
32	chr18	44790841		0.393508	2.446355	0.015444	0.871029
cg154730							
17	chr1	1.67E+08		0.408011	2.445421	0.015483	0.871029
cg150069							
73	chr1	35258933 C1orf216		-0.34679	-2.44646	0.01544	0.871029
cg119464							
49	chr11	45308676		-0.29214	-2.44284	0.01559	0.871029
cg088142							
68	chr7	2167433		-0.346	-2.44355	0.015561	0.871029
cg017774							
33	chr5	57875838		-0.40553	-2.44626	0.015448	0.871029
cg014926							
49	chr11	86749237		0.209569	2.444515	0.015521	0.871029
cg066041							
46	chr15	64752635		0.251824	2.444399	0.015526	0.871029
cg178197							
32	chr1	2.03E+08		-0.34018	-2.44307	0.015581	0.871029
cg200107							
14	chr12	1.21E+08		0.271568	2.444807	0.015509	0.871029
cg067165							
68	chr4	2043525		-0.28098	-2.4443	0.01553	0.871029
cg039826							
09	chr22	43740798		-0.41242	-2.43903	0.01575	0.871963
cg158127							
53	chr2	1.77E+08		0.266796	2.446457	0.01544	0.871029
cg239739							
72	chr18	72152075		-0.34732	-2.43908	0.015748	0.871963
cg112648							
63	chr20	43835661 RIMS4		-0.39203	-2.44464	0.015516	0.871029
ch.17.163							
0550R	chr17	61683872 ICAM2		-0.43335	-2.44599	0.01546	0.871029
cg040699							
48	chr4	1.17E+08		-0.27342	-2.44118	0.01566	0.871845
cg207306							
19	chr5	1094035		-0.2107	-2.44864	0.01535	0.870676
cg226924							
88	chr6	31129600		-0.28913	-2.44231	0.015612	0.871446

cg029780						
13	chr1	24972744	0.288503	2.448017	0.015376	0.870676
cg104271						
40	chr20	47444573	-0.18704	-2.4407	0.01568	0.871845
cg149438						
77	chr10	1.12E+08	-0.19582	-2.44256	0.015602	0.871276
cg078558						
74	chr5	965717	-0.28282	-2.44604	0.015457	0.871029
cg059201						
82	chr1	1.87E+08	-0.34646	-2.44476	0.015511	0.871029
cg202969						
24	chr2	3654470 TSSC1	0.452728	2.446767	0.015427	0.871029
cg161565						
25	chr19	36210688	0.208657	2.447464	0.015399	0.870715
cg166160						
53	chr16	13924334	-0.36418	-2.44173	0.015637	0.871739
cg006052						
40	chr12	1137376	-0.3781	-2.4377	0.015806	0.871963
cg267245						
72	chr15	25226703	-0.30486	-2.44025	0.015699	0.871845
cg105058						
73	chr20	44637511	-0.30885	-2.4385	0.015773	0.871963
cg186326						
02	chr18	21978020	-0.14492	-2.44458	0.015518	0.871029
cg085307						
60	chr3	47887839	-0.30205	-2.43955	0.015728	0.871845
cg088908						
37	chr16	2581618	0.273803	2.45044	0.015276	0.869742
cg185638						
12	chr8	53044888	-0.29284	-2.44805	0.015374	0.870676
cg082542						
66	chr8	36641818	-0.27373	-2.44038	0.015693	0.871845
cg186039						
43	chr9	1.37E+08	0.333871	2.44276	0.015594	0.871029
cg185412						
54	chr13	1.13E+08	0.29639	2.43772	0.015805	0.871963
cg182210						
21	chr11	84432312 DLG2	0.306628	2.443759	0.015552	0.871029
cg169119						
81	chr7	70061135	-0.23557	-2.44647	0.01544	0.871029
cg225451						
68	chr19	54866514 PTPRH	-0.2986	-2.44085	0.015674	0.871845
cg132160						
25	chr9	1.41E+08	-0.27706	-2.44644	0.015441	0.871029
cg017285						
54	chr5	1.55E+08	0.246126	2.441735	0.015637	0.871739
cg198722						
37	chr10	1.28E+08	-0.34116	-2.44094	0.01567	0.871845
cg195763						
04	chr18	56940022 CCBE1	0.295772	2.444989	0.015501	0.871029

cg204197							
35	chr17	46824292		0.324565	2.437966	0.015795	0.871963
cg039367							
21	chr17	42386419		0.290618	2.441036	0.015666	0.871845
cg174616							
70	chr17	66926513		-0.311	-2.44786	0.015382	0.870714
cg137365							
14	chr6	26305472		0.957412	2.440345	0.015695	0.871845
cg121491							
89	chr2	1.2E+08		-0.22076	-2.44812	0.015372	0.870676
cg084560							
43	chr17	7320581		-0.46622	-2.45924	0.01492	0.86711
cg101565							
86	chr16	89160039		0.336535	2.445474	0.015481	0.871029
cg224414							
46	chr1	95538757		0.214966	2.442764	0.015594	0.871029
cg229953							
56	chr3	1.84E+08		-0.23876	-2.4407	0.01568	0.871845
cg070023							
82	chr15	44116782		0.287889	2.441803	0.015634	0.871739
cg174460							
10	chr15	76633627 TSPAN3;PEAK1		-0.436	-2.43854	0.015771	0.871963
cg259021							
87	chr15	55881044		0.286464	2.445958	0.015461	0.871029
cg271619							
73	chr20	47835784		-0.25008	-2.44009	0.015706	0.871845
cg088306							
41	chr10	1.3E+08		0.337803	2.441632	0.015641	0.871845
cg242068							
84	chr10	1.05E+08		0.301996	2.444732	0.015512	0.871029
cg015609							
00	chr1	2.42E+08		-0.48071	-2.43854	0.015771	0.871963
cg228862							
75	chr7	1.22E+08		-0.31583	-2.44005	0.015707	0.871845
cg112771							
26	chr20	33680945		0.237131	2.443912	0.015546	0.871029
cg133078							
80	chr5	1.41E+08		0.444548	2.441078	0.015664	0.871845
cg064409							
46	chr1	95699313		0.304284	2.440586	0.015685	0.871845
cg206306							
05	chr15	89010209		0.388237	2.444017	0.015541	0.871029
cg208086							
81	chr2	2.34E+08		0.221543	2.444064	0.015539	0.871029
cg071566							
69	chr17	28705245 ADAP2		0.419425	2.443306	0.015571	0.871029
cg016242							
29	chr2	1.53E+08		0.405228	2.444692	0.015513	0.871029
cg069552							
14	chr7	1.58E+08		-0.26116	-2.44325	0.015573	0.871029

cg085881							
56	chr5	143141		-0.22628	-2.44272	0.015596	0.871029
cg053823							
05	chr1	91869782		0.383183	2.444915	0.015504	0.871029
cg052351							
92	chr4	2009779		-0.2197	-2.44063	0.015683	0.871845
cg015449							
03	chr16	56697229		0.556524	2.43889	0.015756	0.871963
cg267749							
71	chr6	1.59E+08		-0.24994	-2.438	0.015794	0.871963
cg145640							
76	chr7	1.54E+08		0.382563	2.43597	0.015879	0.873393
cg097847							
79	chr7	618974		0.208866	2.440988	0.015668	0.871845
cg057562							
20	chr11	30038685		0.461828	2.438746	0.015762	0.871963
cg140215		ENSG000002206					
24	chr6	1.4E+08 00		-0.20004	-2.43853	0.015771	0.871963
cg016452							
95	chr20	61560630		0.196527	2.440427	0.015691	0.871845
cg017217							
54	chr16	616935		-0.32142	-2.43796	0.015795	0.871963
cg228536							
41	chr8	1.31E+08		-0.25877	-2.4436	0.015559	0.871029
cg017018							
19	chr15	75287824		0.372914	2.439799	0.015718	0.871845
cg122994							
78	chr10	1.12E+08 XPNPEP1;ADD3		-0.22355	-2.44631	0.015446	0.871029
cg161177							
89	chr1	53904634		-0.29508	-2.443	0.015584	0.871029
cg095003							
92	chr20	62124545		-0.26726	-2.4374	0.015819	0.872318
cg141896							
09	chr19	3225006		-0.14227	-2.44393	0.015545	0.871029
cg158631							
48	chr6	1.48E+08		-0.33942	-2.44019	0.015701	0.871845
cg169023							
85	chr18	55019669		0.424807	2.442204	0.015617	0.871446
cg256895							
39	chr7	1.49E+08		-0.28653	-2.44302	0.015583	0.871029
cg078828							
50	chr15	37179670		-0.30921	-2.43896	0.015753	0.871963
cg211728							
07	chr9	1.22E+08		0.253344	2.440035	0.015708	0.871845
cg091550							
44	chr16	31106785		0.269532	2.45222	0.015204	0.868419
cg152156							
12	chr19	51231736		0.373561	2.441027	0.015666	0.871845
cg218730							
11	chr11	7041511		0.482556	2.435895	0.015882	0.873393



cg032881							
68	chr4	10784468		-0.32435	-2.44052	0.015687	0.871845
cg169534							
73	chr17	59539587		-0.21767	-2.4411	0.015663	0.871845
cg208053							
68	chr11	2367787		0.245008	2.464	0.01473	0.86711
cg206279							
88	chr10	1.34E+08		-0.26121	-2.4375	0.015815	0.872213
cg204122							
44	chr6	31276664 HCP5		0.325373	2.434375	0.015947	0.873393
cg233897							
83	chr7	1.39E+08		-0.18293	-2.4436	0.015559	0.871029
cg114909							
86	chr7	1.44E+08		-0.24244	-2.43846	0.015774	0.871963
cg046393							
96	chr7	27190539		0.261655	2.440929	0.01567	0.871845
cg135279							
10	chr7	30066469		-0.2183	-2.44186	0.015631	0.871739

			TBC1D8;RFX8;EN				
			SG00000272902				
			;IL18R1;IL1RL1;IL				
			1R1;ENSG00000				
cg051134							
10	chr2	1.02E+08 271532		-0.43686	-2.43618	0.01587	0.873393
cg095830							
36	chr11	87846644		0.44062	2.442864	0.015589	0.871029
cg110674							
68	chr12	31479148		0.218628	2.434163	0.015956	0.873393
cg177882							
27	chr17	7347145		-0.2449	-2.4379	0.015798	0.871963
cg054860							
35	chr16	56697088		0.364264	2.437098	0.015832	0.872689
cg229375							
56	chr13	19692335		-0.37593	-2.43692	0.015839	0.87291
cg002295							
08	chr15	76019993		0.221911	2.434913	0.015924	0.873393
cg004500							
60	chr1	25756870		-0.16149	-2.43837	0.015778	0.871963
cg148577							
64	chr13	50706663		0.445218	2.442791	0.015592	0.871029
cg184641							
37	chr7	83278504		0.398424	2.43602	0.015877	0.873393
cg068519							
41	chr3	33319219 DYNC1LI1		0.177498	2.439573	0.015727	0.871845
cg153399							
71	chr15	39823733		-0.30329	-2.43774	0.015804	0.871963

cg106567							
42	chr13	24152779		0.287533	2.440983	0.015668	0.871845
cg097859							
91	chr1	86934365		-0.29742	-2.4395	0.01573	0.871845
cg132700							
55	chr22	36960499		0.556243	2.435699	0.015891	0.873393
cg005497							
58	chr20	31642282		-0.25993	-2.43857	0.015769	0.871963
cg048088							
13	chr16	343299		-0.27206	-2.43539	0.015904	0.873393
cg191555							
52	chr12	1.12E+08		-0.29154	-2.44152	0.015646	0.871845
cg137736							
78	chr9	67927392		-0.2622	-2.43449	0.015942	0.873393
cg205949							
61	chr4	3773933 GRK4		0.266284	2.439666	0.015723	0.871845

			OR5P1P;OR5E1P				
cg014345			;DENND5A;TME				
59	chr11	8290939 M9B		0.328437	2.441958	0.015627	0.871739
cg005218							
87	chr18	39535162		-0.23189	-2.43611	0.015873	0.873393
cg050624							
13	chr11	75336943 POLD3		-0.36373	-2.44246	0.015606	0.871276
cg169031							
22	chr1	44584429		-0.24224	-2.43352	0.015983	0.873393
cg179331							
48	chr7	20122468		-0.39792	-2.44054	0.015687	0.871845
cg032075							
74	chr10	25241260		-0.15757	-2.44596	0.015461	0.871029
cg024947							
03	chr11	64659387 BATF2		-0.19247	-2.43719	0.015828	0.872582
cg175915							
74	chr1	1.79E+08 TOR3A		0.273716	2.439948	0.015711	0.871845
cg121294							
80	chr1	1.59E+08		-0.47386	-2.43797	0.015795	0.871963
cg233768							
46	chr6	29818154		-0.21191	-2.44285	0.01559	0.871029
cg087653							
57	chr11	85438947 DLG2		-0.37891	-2.43827	0.015782	0.871963
cg027316							
32	chr7	1328627 NUDT1		-0.30104	-2.43923	0.015742	0.871963
cg041941							
73	chr7	1137315		-0.26323	-2.43253	0.016025	0.873393
cg026392							
94	chr16	30406318		-0.2154	-2.43433	0.015949	0.873393
cg273947							
94	chr10	52600370		-0.41824	-2.43158	0.016066	0.873393

cg103163			USP21;PPOX;CC DC19;C1orf192;T				
57	chr1	1.61E+08	STD1;VSIG8	-0.49084	-2.43999	0.01571	0.871845
cg043384							
46	chr14	1.05E+08		-0.27229	-2.43163	0.016064	0.873393
cg255107							
53	chr7	1.3E+08	COPG2	-0.48653	-2.43623	0.015868	0.873393
cg157361							
69	chr13	1.13E+08		0.249271	2.435482	0.0159	0.873393
cg146230			ENSG000002616				
24	chr8	1.43E+08	55	-0.33166	-2.43418	0.015955	0.873393
cg129927							
45	chr8	627358		-0.29393	-2.44088	0.015672	0.871845
cg101207							
78	chr7	42018795		0.270309	2.43752	0.015814	0.872213
cg050423							
66	chr16	1271998		-0.3595	-2.44351	0.015563	0.871029
cg189830							
90	chr13	37575004		0.226358	2.435996	0.015878	0.873393

cg023808			ENSG000002618 04;ENSG000002				
02	chr16	53407808	62714	0.93485	2.432567	0.016024	0.873393
cg013182							
48	chr1	2.27E+08		-0.20808	-2.44124	0.015657	0.871845
cg148629							
81	chr5	1.81E+08		-0.17444	-2.43436	0.015948	0.873393
cg253500							
57	chr1	68629133		-0.28713	-2.43465	0.015935	0.873393
cg010487							
52	chr8	10001523		-0.34123	-2.43068	0.016105	0.873393
cg210585							
20	chr6	1.01E+08		0.406028	2.435506	0.015899	0.873393
cg180653							
97	chr4	1.89E+08		-0.2504	-2.44181	0.015634	0.871739
cg034756							
87	chr17	80828586		0.305859	2.434858	0.015927	0.873393
cg053110							
91	chr16	15711250	NOMO1	-0.28653	-2.44067	0.015681	0.871845
cg155511							
05	chr2	10260366		-0.2024	-2.43826	0.015782	0.871963
cg143709							
27	chr9	94483076		-0.45767	-2.43789	0.015798	0.871963
cg022970							
63	chr19	1132389		-0.18392	-2.43437	0.015947	0.873393
cg068444							
89	chr13	1.14E+08		-0.30072	-2.43065	0.016106	0.873393

cg134043							
31	chr5	37638144	-0.40324	-2.43368	0.015977	0.873393	
cg154289							
04	chr20	57394097	-0.45003	-2.43969	0.015722	0.871845	
cg116724							
47	chr18	72921434	0.252482	2.429627	0.01615	0.873393	
cg053512							
19	chr16	2318265	0.235862	2.434184	0.015955	0.873393	
cg044580							
23	chr2	1.42E+08	-0.37222	-2.43181	0.016056	0.873393	
cg227730							
74	chr10	43603067	-0.33817	-2.43111	0.016086	0.873393	
cg133655							
24	chr6	1.01E+08	0.243911	2.434098	0.015959	0.873393	
cg228465							
10	chr7	83753280	0.416863	2.434568	0.015939	0.873393	
ch.5.6113							
5040R	chr5	61099283	-0.2697	-2.43629	0.015866	0.873393	
cg114584							
98	chr5	1.68E+08	-0.43741	-2.4304	0.016117	0.873393	
cg080614							
63	chr15	90789198	-0.25322	-2.44227	0.015614	0.871446	
cg143523							
22	chr11	1.15E+08	-0.36263	-2.43237	0.016033	0.873393	
cg203494							
32	chr6	1.69E+08	0.314066	2.433426	0.015987	0.873393	
cg142288							
85	chr9	33001836	0.27574	2.437788	0.015802	0.871963	
cg136057							
81	chr9	1.1E+08	-0.34768	-2.43443	0.015945	0.873393	
cg231041							
84	chr10	73437334	-0.28081	-2.42974	0.016145	0.873393	
cg022649							
22	chr12	58026217 AGAP2;GLI1	-0.17432	-2.44308	0.01558	0.871029	
cg039986							
55	chr16	1424607	-0.57081	-2.43566	0.015893	0.873393	
cg066751							
90	chr15	89346205	0.51275	2.430162	0.016127	0.873393	
cg019642							
62	chr13	97874638	0.286169	2.439337	0.015737	0.871871	
cg180379							
12	chr12	10330675	0.411445	2.440065	0.015707	0.871845	
cg093828							
50	chr7	1.06E+08	-0.23809	-2.43179	0.016057	0.873393	
cg209024							
25	chr22	46805678	0.394472	2.433391	0.015989	0.873393	
cg173446							
40	chr3	1.2E+08 POLQ	-0.32381	-2.43691	0.01584	0.87291	
cg137811							
97	chr15	85525673	0.195413	2.435938	0.015881	0.873393	

cg026752							
64	chr6	28984246		0.392746	2.433498	0.015984	0.873393
cg009496							
70	chr12	1.21E+08	OASL	-0.25133	-2.43104	0.016089	0.873393
cg182356							
35	chr8	1.34E+08		-0.3304	-2.43061	0.016108	0.873393
cg113161			BTNL9;FLT4;GFP				
31	chr5	1.8E+08	T2;ZFP62	-0.37501	-2.4306	0.016109	0.873393
cg078313							
22	chr17	26129054		-0.20727	-2.4306	0.016109	0.873393
cg220594							
69	chr5	60573425		-0.36229	-2.44086	0.015673	0.871845
cg034781							
99	chr6	1.46E+08		0.423188	2.437311	0.015823	0.872417
cg017240							
11	chr16	84087814		0.256342	2.430058	0.016132	0.873393
cg243529							
38	chr1	2E+08		-0.16061	-2.4455	0.01548	0.871029
cg266600							
02	chr2	1.55E+08		0.330458	2.439601	0.015726	0.871845
cg091510							
61	chr5	71804628		0.253576	2.447979	0.015377	0.870676
cg066681							
55	chr1	33938117		-0.21266	-2.44424	0.015532	0.871029
cg148135							
79	chr19	2328694		-0.2361	-2.43343	0.015987	0.873393
cg275417							
81	chr18	45457066		-0.22909	-2.43204	0.016046	0.873393
cg059227							
71	chr6	1.68E+08		-0.29693	-2.43459	0.015938	0.873393
cg091152							
16	chr11	3250765		-0.23127	-2.43435	0.015948	0.873393
cg231517							
06	chr11	69931353	CTTN	0.212759	2.436239	0.015868	0.873393

			STRBP;MIR600H				
cg138477			G;ENSG0000023				
24	chr9	1.26E+08	7336;RABGAP1	0.45294	2.439351	0.015737	0.871871
cg250900							
51	chr20	57414059		-0.26922	-2.4351	0.015916	0.873393
cg136338							
54	chr11	6528440		-0.27438	-2.44048	0.015689	0.871845
cg003522							
18	chr6	19691654	MBOAT1	0.393851	2.442464	0.015606	0.871276
cg170011							
06	chr10	99400243		-0.24119	-2.43853	0.015771	0.871963

cg150197							
07	chr5	43122172	C5orf34	0.213772	2.439662	0.015723	0.871845
cg093543							
09	chr12	22487437		-0.32022	-2.43506	0.015918	0.873393
cg193393							
22	chr19	2722858		-0.25739	-2.43033	0.01612	0.873393
cg074721							
99	chr16	31453477	HERC2P4	0.671645	2.431183	0.016083	0.873393
cg266818							
75	chr18	57567697		-0.25548	-2.43311	0.016001	0.873393
cg069937							
15	chr16	69345386		-0.22981	-2.43082	0.016099	0.873393
cg014375							
77	chr10	70940013		0.134374	2.431221	0.016082	0.873393
cg197247							
06	chr14	25736598		-0.36214	-2.43372	0.015975	0.873393
cg205522							
82	chr20	21686728		0.282103	2.434694	0.015933	0.873393
cg144216							
68	chr13	1.14E+08		0.328609	2.439759	0.015719	0.871845
cg045819							
38	chr6	31364999		-0.28655	-2.43234	0.016034	0.873393
cg023303			PAK1IP1;SMIM1				
94	chr6	10695063	3	-0.19181	-2.43644	0.015859	0.873393
cg177573							
76	chr7	91570087		0.197968	2.43476	0.015931	0.873393
cg190292							
20	chr2	64067822		-0.1926	-2.43798	0.015794	0.871963
cg128739			RUNDC1;ACLY;A				
03	chr17	40514805	TP6V0A1;BECN1	-0.37655	-2.43786	0.0158	0.871963
cg138581							
36	chr2	1.22E+08		0.323866	2.43181	0.016056	0.873393
cg099020							
61	chr11	34126957		-0.18493	-2.439	0.015751	0.871963
cg019332							
51	chr12	16035274		0.206117	2.428441	0.016201	0.874444
cg118417							
04	chr17	75539913		-0.57286	-2.43251	0.016027	0.873393
cg222306							
40	chr6	32805807	DAXX	-0.22176	-2.43829	0.015781	0.871963
cg081118							
63	chr11	70882036		0.312052	2.432304	0.016035	0.873393
cg117466							
84	chr8	11057265		0.380636	2.429679	0.016148	0.873393
cg089880							
50	chr20	32581548		-0.16776	-2.43056	0.01611	0.873393
cg181187							
38	chr6	34802849		-0.39909	-2.43518	0.015913	0.873393

cg144984						
23	chr3	1.4E+08	0.313475	2.430445	0.016115	0.873393
cg205888						
68	chr10	95551111	-0.40794	-2.4289	0.016182	0.874148
cg238391						
36	chr7	70597599	0.406247	2.42659	0.016281	0.875467
cg071500						
62	chr14	1.05E+08	0.471806	2.431016	0.016091	0.873393
cg125949						
40	chr15	25488765	-0.38097	-2.42817	0.016213	0.874517
cg217804						
28	chr6	37181111	0.251211	2.43087	0.016097	0.873393
cg153820						
51	chr7	4873549	-0.32585	-2.43259	0.016023	0.873393
cg184100						
78	chr11	65647288 CTSW	0.391214	2.4358	0.015887	0.873393
cg206078						
16	chr8	1.05E+08	-0.32112	-2.4302	0.016125	0.873393
cg175380						
36	chr11	1.34E+08	0.296258	2.431337	0.016077	0.873393
cg146031						
03	chr7	64838577	-0.27254	-2.43253	0.016026	0.873393
cg094923						
54	chr11	27720709	-0.1827	-2.42915	0.016171	0.874089
cg036583						
37	chr19	6166119	0.27401	2.434047	0.015961	0.873393

cg184060							
33	chr2	2.23E+08		0.466869	2.429988	0.016135	0.873393
cg184638							
02	chr11	31844253		0.309986	2.429777	0.016144	0.873393
cg021657							
43	chr6	28602566		0.369879	2.42833	0.016206	0.874499
cg066217							
57	chr12	54674353		-0.17856	-2.43867	0.015765	0.871963
cg239527							
54	chr17	28431834		0.284667	2.435265	0.015909	0.873393
cg146520							
95	chr6	26018185		0.271818	2.435343	0.015906	0.873393
cg226059							
43	chr3	1.07E+08		0.212423	2.432979	0.016007	0.873393
cg160405							
04	chr1	40157202		0.18082	2.436126	0.015873	0.873393
cg054349							
52	chr17	79633760		-0.19442	-2.43031	0.016121	0.873393
cg166744							
67	chr3	46854311		0.280419	2.431846	0.016055	0.873393
cg086880							
06	chr3	39222345		-0.16833	-2.43355	0.015982	0.873393
cg006519							
12	chr1	44447575		-0.2385	-2.42501	0.01635	0.876508
cg136794							
78	chr14	1.02E+08		0.398992	2.43407	0.01596	0.873393
cg122906							
71	chr7	99195819		0.473787	2.42671	0.016276	0.87543
cg014168							
91	chr10	94820892		0.352402	2.427757	0.016231	0.874619
cg244316							
93	chr6	1.02E+08		0.397995	2.428213	0.016211	0.874517
cg189993							
60	chr5	1.37E+08		-0.22144	-2.44775	0.015387	0.870715

cg044093			COPA;ENSG0000				
19	chr1	1.61E+08	0213080;SDHC	-0.19379	-2.43396	0.015965	0.873393
cg124434							
44	chr21	46707842		0.152221	2.439554	0.015728	0.871845
cg265111							
08	chr10	22608951	RNA5SP304	0.454193	2.434567	0.015939	0.873393
cg089491							
01	chr21	33957957		-0.28731	-2.428	0.01622	0.874517
cg211079							
44	chr1	3001100		-0.2516	-2.42437	0.016378	0.876508
cg227023							
31	chr12	16759731		-0.27865	-2.43526	0.015909	0.873393
cg041658							
35	chr19	44642043		0.262932	2.428401	0.016203	0.874444



cg105861							
47	chr10	93371903	0.338453	2.424534	0.016371	0.876508	
cg112098							
92	chr7	1.29E+08	0.333696	2.427472	0.016243	0.874842	
cg099614							
27	chr2	1.27E+08	0.24684	2.435292	0.015908	0.873393	
cg220526							
59	chr8	1.14E+08	0.255225	2.431185	0.016083	0.873393	
cg153167							
89	chr3	29322368	-0.32192	-2.43184	0.016055	0.873393	
cg012433							
71	chr16	86547386	0.281241	2.431648	0.016063	0.873393	
cg009649							
97	chr4	13531195	0.205933	2.433526	0.015983	0.873393	
cg266791							
58	chr6	1.11E+08	0.353237	2.427659	0.016235	0.874628	
cg021190							
43	chr5	1.57E+08	0.31909	2.425453	0.016331	0.876508	
cg270725							
75	chr17	62778413	-0.21929	-2.43121	0.016082	0.873393	
cg041882							
41	chr5	1.43E+08	-0.33512	-2.42789	0.016225	0.874563	
cg183652							
11	chr4	7770554	0.268615	2.424959	0.016352	0.876508	
cg215079							
87	chr11	10527506	-0.25921	-2.43329	0.015993	0.873393	
cg150165							
97	chr1	1.56E+08 SH2D2A	0.265434	2.432089	0.016045	0.873393	
cg082291							
99	chr14	59932289	0.355839	2.427991	0.016221	0.874517	
cg118896							
92	chr14	77591661	-0.18544	-2.43676	0.015846	0.873036	
cg267666							
78	chr3	25825159	0.29994	2.42684	0.01627	0.87543	
cg074537							
73	chr11	8779319	-0.27135	-2.4281	0.016216	0.874517	
cg083773							
98	chr4	6202553 S100P	0.365392	2.432268	0.016037	0.873393	
cg031353							
51	chr2	29338258	0.155542	2.431238	0.016081	0.873393	
cg049829							
22	chr6	27228330	0.338531	2.4336	0.01598	0.873393	
cg267501							
39	chr1	1.8E+08	0.207355	2.430425	0.016116	0.873393	
cg221900							
23	chr5	1.41E+08	0.538053	2.426663	0.016278	0.87543	
cg125970							
66	chr17	16473468	-0.32712	-2.42781	0.016229	0.874612	
cg148160							
87	chr6	27259043	0.321565	2.424776	0.01636	0.876508	

cg124123							
84	chr12	12673025		-0.33842	-2.43094	0.016094	0.873393
cg120402							
78	chr2	37572396		-0.24759	-2.42604	0.016305	0.876297
cg040155							
01	chr13	1.13E+08		-0.33028	-2.42527	0.016339	0.876508
cg265248							
99	chr14	64932678		-0.32977	-2.42842	0.016202	0.874444
cg188830							
33	chr4	3742181		0.323946	2.425472	0.01633	0.876508
cg037558							
72	chr11	1.31E+08		0.38548	2.424228	0.016384	0.876508
cg008055							
62	chr20	30074041		-0.36874	-2.42642	0.016289	0.875688
cg003199							
12	chr19	39441002		0.181168	2.430122	0.016129	0.873393
cg088591							
90	chr12	1.07E+08		0.328235	2.421727	0.016493	0.87755
cg127691							
38	chr2	1.68E+08		0.330202	2.429626	0.01615	0.873393
cg204667		ENSG000002705					
61	chr6	2766613 04		-0.19835	-2.42876	0.016188	0.874148
cg012944							
31	chr9	1.14E+08		-0.31655	-2.42158	0.0165	0.87755
cg001249							
05	chr4	1.47E+08		0.292783	2.434074	0.01596	0.873393
cg077476							
35	chr3	1.94E+08		0.23362	2.425307	0.016337	0.876508
cg048237							
96	chr9	1.4E+08 EGFL7		-0.25374	-2.4327	0.016019	0.873393
cg263486							
14	chr5	75820852 ANKDD1B;POC5		0.470106	2.426653	0.016279	0.87543
cg141204							
36	chr15	52483498		0.316402	2.44647	0.01544	0.871029
cg122673							
67	chr2	70521024		-0.23673	-2.43446	0.015944	0.873393
cg122000							
38	chr14	38091470 CLEC14A;FOXA1		-0.5433	-2.42957	0.016153	0.873393
cg258078							
04	chr12	67473004		-0.29743	-2.43058	0.016109	0.873393
cg251067							
07	chr4	15341523		0.369666	2.429276	0.016165	0.873953
cg121862							
19	chr11	1463541		-0.39208	-2.42725	0.016253	0.87503
cg063497							
17	chr1	15546187		0.357594	2.426721	0.016276	0.87543
cg090959							
24	chr16	1722278		0.229411	2.427877	0.016226	0.874563
cg002060							
58	chr2	11750918		-0.30915	-2.42594	0.01631	0.87644

cg000339							
15	chr19	7504569		-0.32508	-2.42709	0.01626	0.875175
cg168085							
87	chr4	1.74E+08		0.232357	2.424316	0.01638	0.876508
cg171318							
37	chr12	66251661 HELB		-0.44807	-2.42245	0.016462	0.87755
cg049199							
18	chr5	39075035		-0.34879	-2.42373	0.016406	0.876636
ch.2.8520							
9317F	chr2	85355806		0.349025	2.43135	0.016076	0.873393
cg101889							
09	chr2	57634837		-0.268	-2.42901	0.016177	0.874148
cg138972							
22	chr1	2.21E+08		-0.41203	-2.42233	0.016467	0.87755
cg010507							
04	chr19	59084995		0.194687	2.42217	0.016474	0.87755
cg220830							
53	chr4	13541444		0.24439	2.431122	0.016086	0.873393
cg187578							
17	chr2	2.09E+08		-0.94366	-2.43381	0.015971	0.873393
cg199207							
37	chr5	1.15E+08		-0.22016	-2.42899	0.016177	0.874148
cg115851							
56	chr19	52598983		-0.30442	-2.42312	0.016432	0.87755

HYDIN;ENSG000  
00262890;HAS3;  
ENSG000002601  
56;TANGO6;IL34  
;SNTB2;WWP2;N  
QO1;ST3GAL2;M

cg008543							
24	chr16	69941269 TSS1L		0.426572	2.433216	0.015996	0.873393
cg253725							
68	chr3	1.87E+08		0.165474	2.433299	0.015993	0.873393
cg042932							
18	chr8	38127091		-0.33803	-2.42531	0.016337	0.876508
cg105025							
90	chr6	88986780		-0.28933	-2.42974	0.016145	0.873393
cg182539							
10	chr22	30230951		-0.31208	-2.42475	0.016361	0.876508
cg069069							
65	chr19	58450175		-0.25052	-2.43114	0.016085	0.873393
cg135917							
23	chr12	46765135		0.213189	2.430119	0.016129	0.873393
cg066461							
12	chr1	3621445		-0.22148	-2.42309	0.016434	0.87755

cg162616							
76	chr10	80446507	0.383486	2.421311	0.016512	0.877795	
cg244816							
33	chr7	1.12E+08	0.148692	2.429565	0.016153	0.873393	
cg112356							
02	chr3	39543776	0.724998	2.430317	0.016121	0.873393	
cg222037							
76	chr3	1.47E+08	0.299194	2.421113	0.01652	0.87793	
cg150591							
76	chr1	3306447	-0.30896	-2.42984	0.016141	0.873393	
cg145752							
55	chr2	1.01E+08	0.297847	2.4288	0.016186	0.874148	
cg119061							
31	chr5	80623934 CKMT2	-0.28584	-2.42412	0.016389	0.876508	
cg109964							
63	chr6	32150739	-0.15268	-2.4272	0.016255	0.87503	
cg119305							
92	chr4	4861820	0.252436	2.424344	0.016379	0.876508	
cg264519							
23	chr10	12238536	-0.22287	-2.42439	0.016377	0.876508	
cg143905							
80	chr17	35873008	-0.2793	-2.42682	0.016271	0.87543	
cg141943							
97	chr18	47015710	-0.26649	-2.42552	0.016328	0.876508	
cg088689							
15	chr1	2.48E+08	-0.39927	-2.4256	0.016324	0.876508	
cg092669							
79	chr1	22777744	-0.27092	-2.42846	0.0162	0.874444	
cg169292							
99	chr17	47308140	0.149789	2.428816	0.016185	0.874148	
cg156467							
95	chr7	1.08E+08	-0.20874	-2.43065	0.016106	0.873393	
cg225802							
75	chr10	816999	0.274998	2.433418	0.015988	0.873393	
cg263751							
47	chr11	60674132	-0.22867	-2.42977	0.016144	0.873393	
cg237030							
62	chr18	14748198	0.649317	2.430134	0.016128	0.873393	
cg251581							
47	chr10	54073150	0.398892	2.422444	0.016462	0.87755	
cg253618							
50	chr19	52391789	0.36905	2.418851	0.01662	0.878291	
cg046006							
18	chr6	43612980	0.297996	2.439445	0.015733	0.871845	
cg061707							
54	chr4	77997420	-0.32528	-2.42992	0.016137	0.873393	
cg206229							
64	chr15	90895335	-0.19037	-2.4225	0.016459	0.87755	
cg244254							
83	chr6	32146195	0.289998	2.421582	0.0165	0.87755	

cg193075							
43	chr8	2091425		-0.36619	-2.4327	0.016018	0.873393
cg166657							
65	chr3	37934293		0.270864	2.427347	0.016249	0.875024
cg109509							
24	chr17	47092072	HOXB-AS2	0.649984	2.423784	0.016403	0.876622
cg076903							
49	chr11	1257659		-0.33865	-2.4248	0.016359	0.876508
cg011682							
35	chr3	1.2E+08		0.397339	2.420124	0.016564	0.878263
cg268758							
05	chr1	1.67E+08		0.382409	2.42337	0.016421	0.87715
cg269157							
04	chr18	77211963		0.329889	2.422637	0.016453	0.87755
cg136189							
39	chr10	46090486		0.196414	2.420827	0.016533	0.878263
cg227858							
05	chr14	60194249		-0.4565	-2.42379	0.016403	0.876622
cg122803							
17	chr1	1.52E+08	GABPB2;TUFT1	-0.38189	-2.43063	0.016107	0.873393
cg178199							
63	chr10	1.35E+08		-0.21194	-2.42441	0.016376	0.876508
cg031136							
83	chr21	34852656		-0.23434	-2.41971	0.016582	0.878263
cg203264							
10	chr1	53600821	SLC1A7;PODN	-0.31187	-2.42389	0.016399	0.876584
cg186090							
37	chr17	79099246		-0.20862	-2.42223	0.016471	0.87755
cg054786							
28	chr14	21029431		0.352504	2.421941	0.016484	0.87755
cg240982							
52	chr12	1.32E+08		-0.61799	-2.4192	0.016604	0.878263
cg102791							
48	chr16	8960126		0.28796	2.425283	0.016338	0.876508
cg176511							
64	chr2	2.36E+08		-0.42061	-2.42405	0.016392	0.876548
cg070785							
32	chr17	78194205		-0.15449	-2.42613	0.016301	0.876219
cg134620			ENSG000002539				
30	chr8	22926911	30	-0.23593	-2.42504	0.016349	0.876508
cg192690							
93	chr2	38496264		0.394435	2.424246	0.016383	0.876508
cg194364							
03	chr19	12780550		0.20721	2.436024	0.015877	0.873393
cg150340							
09	chr15	26425086		0.274054	2.421327	0.016511	0.877795
cg100345							
72	chr2	1.61E+08		-0.28387	-2.42978	0.016143	0.873393
cg152455							
98	chr8	94709667		-0.39791	-2.42702	0.016263	0.875238

cg261117							
57	chr20	31642120	E2F1;TSPY26P	-0.30759	-2.42041	0.016551	0.878263
cg263172							
06	chr3	1.36E+08		-0.23042	-2.42013	0.016563	0.878263
cg129722							
90	chr14	1.02E+08	WARS	-0.37379	-2.42027	0.016557	0.878263
cg244690							
01	chr6	34014312		-0.27028	-2.42481	0.016359	0.876508
cg260341							
50	chr2	2.02E+08		-0.26011	-2.42435	0.016378	0.876508
cg274129							
75	chr4	1.23E+08		0.34624	2.423002	0.016437	0.87755
cg018969			ELN;GTF2I;ABHD				
18	chr7	73938448	11	-0.46718	-2.42414	0.016388	0.876508

			ENSG000002146				
			52;ENSG000002				
			27910;NMD3P1;				
cg269168			ENSG000002239				
62	chr7	63361617	74	0.503426	2.418131	0.016652	0.878291
cg175584							
97	chr22	50464837		-0.25688	-2.42204	0.01648	0.87755
cg249484							
06	chr17	46608268	LRRC46;TTLL6	0.51338	2.425176	0.016343	0.876508
cg031274							
16	chr8	22548006	REEP4;BMP1	0.39357	2.422366	0.016465	0.87755
cg110712							
07	chr1	1.11E+08	KCNC4-AS1	0.331743	2.422863	0.016444	0.87755
cg233780							
33	chr12	65672031		0.405226	2.428002	0.01622	0.874517
cg270950							
74	chr19	51928597		0.259866	2.421745	0.016492	0.87755
cg212363							
79	chr12	1.32E+08		0.365191	2.422654	0.016453	0.87755
cg130924							
05	chr1	2.28E+08		0.498045	2.42339	0.016421	0.87715

			AKAP3;CCND2;A				
			NO2;NTF3;VWF;				
cg153517							
41	chr12	5276482	KCNA5;KCNA1	-0.28393	-2.43228	0.016036	0.873393
cg113760							
80	chr3	1.26E+08		0.272837	2.419539	0.016589	0.878263
cg217495							
38	chr20	43588937		-0.22698	-2.42248	0.01646	0.87755
cg194760							
16	chr17	76374525		0.170991	2.420344	0.016554	0.878263

cg166499							
99	chr16	48545529	N4BP1	-0.32108	-2.42754	0.01624	0.874785
cg150686							
41	chr2	2.37E+08		0.234077	2.416821	0.01671	0.878382
cg135802							
65	chr11	6291625	GVINP1	0.433692	2.41603	0.016745	0.878931
cg029939							
91	chr19	4064177		-0.35144	-2.4203	0.016556	0.878263
cg160979							
55	chr6	4905378		0.226656	2.427688	0.016234	0.874628
cg202505							
70	chr10	1034318		-0.20221	-2.42209	0.016477	0.87755
cg204245							
30	chr12	44152509		-0.33064	-2.4216	0.016499	0.87755
cg242421							
94	chr7	75677414		-0.27959	-2.41919	0.016605	0.878263
cg008166							
20	chr1	1.85E+08		-0.40984	-2.41825	0.016646	0.878291
cg125774							
55	chr11	1.25E+08		0.221258	2.425014	0.01635	0.876508
cg199620							
75	chr18	48256050		0.566029	2.425449	0.016331	0.876508
cg170801							
80	chr14	77788400		-0.20226	-2.42149	0.016504	0.877597
cg023568							
72	chr19	49617495		-0.21134	-2.41913	0.016607	0.878263
cg099488							
79	chr13	1.14E+08		-0.17524	-2.4203	0.016556	0.878263
cg229317							
25	chr1	2.4E+08		0.283937	2.422816	0.016446	0.87755
cg141013			ENSG000002699				
59	chr10	97300930	48;SORBS1	0.260249	2.416331	0.016731	0.878894
cg037504							
07	chr11	67159770		-0.12379	-2.43053	0.016111	0.873393
cg203487							
46	chr2	1.88E+08		-0.402	-2.42212	0.016476	0.87755
cg036787							
29	chr2	1.45E+08		-0.41198	-2.41938	0.016597	0.878263
cg267972							
70	chr3	4345077		-0.2176	-2.4174	0.016684	0.878382
cg114268							
99	chr19	59067429		0.236744	2.419214	0.016604	0.878263
cg020324							
88	chr7	645730		0.306942	2.416963	0.016703	0.878382
cg038538							
09	chr1	2.21E+08		0.37688	2.424369	0.016378	0.876508
cg026536							
12	chr4	1.41E+08		-0.24221	-2.42392	0.016397	0.876584

cg057641							
02	chr16	72991344	0.213235	2.428198	0.016212	0.874517	
cg112290							
05	chr5	1.24E+08	-0.4543	-2.41887	0.016619	0.878291	
cg229546							
45	chr6	1.69E+08	-0.31184	-2.42169	0.016495	0.87755	
cg221908							
33	chr7	1.51E+08	0.194582	2.417991	0.016658	0.878291	
cg019049							
85	chr15	75117658	-0.21356	-2.42368	0.016408	0.876636	
cg146142							
11	chr10	28034247	0.351283	2.417933	0.01666	0.878291	
cg130453							
10	chr6	69346003	0.277814	2.419616	0.016586	0.878263	
cg159411							
59	chr22	47075270	0.324532	2.420953	0.016527	0.878194	
cg066102							
86	chr10	1.32E+08	0.39334	2.414751	0.016802	0.879267	
cg253507							
03	chr10	88329610	-0.26555	-2.42549	0.016329	0.876508	
cg051579							
12	chr14	75894395	-0.26467	-2.41488	0.016796	0.879267	
cg181111							
39	chr2	2.23E+08	-0.24077	-2.41952	0.01659	0.878263	
cg205482							
31	chr22	31318373	0.55272	2.419498	0.016591	0.878263	
ch.2.2292							
28416R	chr2	2.3E+08	0.461937	2.420229	0.016559	0.878263	
cg030450							
79	chr14	39645334	-0.31702	-2.42172	0.016494	0.87755	
cg231400							
50	chr14	97673803	0.289355	2.424521	0.016371	0.876508	
cg178269							
80	chr1	1.77E+08	0.366836	2.417023	0.016701	0.878382	
cg035560							
15	chr16	1425082	0.207161	2.4264	0.01629	0.875688	
cg214533							
78	chr19	36024253	0.68336	2.419742	0.01658	0.878263	
cg024206							
15	chr7	1.49E+08	0.223597	2.42229	0.016469	0.87755	
cg039785							
79	chr10	50887861	0.235485	2.417927	0.016661	0.878291	
cg036502							
33	chr8	57360226	-0.29645	-2.42006	0.016566	0.878263	
cg153213							
96	chr16	67219218 CES4A	0.170836	2.416324	0.016732	0.878894	
cg271541							
63	chr4	55523756	0.294501	2.421556	0.016501	0.87755	
cg178911							
94	chr15	85201809	-0.20195	-2.4249	0.016355	0.876508	



cg107546							
95	chr17	40688241		0.128664	2.419102	0.016609	0.878263
cg238333							
52	chr13	77553666		-0.29581	-2.41943	0.016594	0.878263
cg232175							
75	chr1	2.08E+08	FAIM3;CR1	0.440021	2.42721	0.016254	0.87503
cg071289							
00	chr16	70714357		0.460294	2.414493	0.016813	0.879267
cg134469							
74	chr3	1.28E+08		-0.23167	-2.41394	0.016838	0.879267
cg156928							
62	chr11	1.17E+08		0.221711	2.417949	0.01666	0.878291
cg223295							
79	chr17	34820348		0.399072	2.419049	0.016611	0.87828
cg079631			ACPL2;ENSG000				
47	chr3	1.41E+08	00272565	0.262327	2.421824	0.016489	0.87755
cg258467							
23	chr15	26108948		0.390489	2.413756	0.016846	0.879267
cg001629							
69	chr12	1.33E+08		-0.38383	-2.41652	0.016723	0.87875
cg134346			PIGK;ACADM;EN				
69	chr1	77013304	SG00000226084	0.291488	2.418256	0.016646	0.878291
cg023702							
22	chr6	38580256	BTBD9	-0.47324	-2.42291	0.016441	0.87755
cg015669							
65	chr4	1.74E+08		-0.35147	-2.41877	0.016623	0.878291
cg020810							
52	chr3	1.47E+08		0.273128	2.425116	0.016345	0.876508
cg209382							
31	chr3	46627218		0.206937	2.419221	0.016603	0.878263
cg030917							
38	chr12	58239134		0.218739	2.419909	0.016573	0.878263
cg073140							
67	chr10	1.35E+08		0.191805	2.414449	0.016815	0.879267
cg199660							
63	chr15	62990138		-0.25139	-2.42256	0.016457	0.87755
cg154237							
81	chr3	1.88E+08		-0.26554	-2.4182	0.016649	0.878291
cg043936							
37	chr17	75790091		-0.2399	-2.41577	0.016756	0.879059
cg003761							
29	chr3	61547524		0.21881	2.416835	0.016709	0.878382
cg100123							
94	chr5	63461371		-0.33076	-2.41795	0.01666	0.878291
cg222236							
02	chr11	1.19E+08		-0.15504	-2.41584	0.016753	0.879046

cg152723							
62	chr20	25062823		0.320293	2.42081	0.016534	0.878263
ch.3.3144							
8979F	chr3	31473975		0.339932	2.419991	0.01657	0.878263
cg115907							
80	chr7	1.28E+08		-0.18501	-2.41804	0.016655	0.878291
cg241289							
79	chr19	29222213		-0.53515	-2.41724	0.016691	0.878382
cg241197							
98	chr11	45376874		0.283925	2.417265	0.01669	0.878382
cg255778							
21	chr15	53098475 MYO5C		0.313468	2.422521	0.016459	0.87755
cg067200							
14	chr1	19390728		0.243045	2.41717	0.016694	0.878382
cg133154							
50	chr2	2.2E+08 STK11IP;TTLL4		-0.28472	-2.42416	0.016387	0.876508
cg023805							
85	chr17	33776683 PEX12;TAF15		0.408166	2.418061	0.016655	0.878291
cg188015							
99	chr17	42092187 RPL27		-0.21807	-2.424	0.016394	0.876548
cg174467							
19	chr1	16302584		0.182437	2.414589	0.016809	0.879267
cg027842							
02	chr4	3643475		-0.28893	-2.42235	0.016466	0.87755
cg223899							
49	chr6	1.52E+08 ESR1		0.184213	2.415968	0.016747	0.878967
cg167380							
60	chr8	26026709 EBF2;DPYSL2		0.350703	2.41467	0.016805	0.879267
cg116540							
06	chr1	6324428		-0.30363	-2.4207	0.016538	0.878263
cg017861							
09	chr1	16056218		-0.27929	-2.41418	0.016827	0.879267
cg153775							
86	chr2	1.72E+08		0.218187	2.414191	0.016827	0.879267
cg024855							
84	chr2	1358702		0.318395	2.41063	0.016986	0.879901
cg067597							
		ENSG000002147					
88	chr5	1.11E+08 84;CAMK4		-0.24926	-2.41825	0.016646	0.878291
cg125879							
30	chr20	4702464		0.183679	2.416131	0.01674	0.878931
cg165243							
32	chr4	3075655		-0.17836	-2.41669	0.016716	0.878589
cg190293							
78	chr10	43892946		0.43791	2.413176	0.016872	0.879267

			PTAFR;ATPIF1;E NSG0000027060 5;TMEM200B;FG R;EPB41;TRNAU				
cg002616							
90	chr1	28856281	1AP;MED18	0.389724	2.419449	0.016593	0.878263
cg135789							
32	chr18	33647664		0.266861	2.416917	0.016705	0.878382
cg046771							
63	chr7	1.16E+08		0.230506	2.419114	0.016608	0.878263
cg223888			LINC00663;SSBP				
12	chr19	18979364	4	0.306894	2.415588	0.016764	0.879059
cg058924							
84	chr7	2143507	PSMG3	0.288209	2.413108	0.016875	0.879267
cg208751							
59	chr12	1.15E+08		0.19417	2.414559	0.01681	0.879267
cg151257							
98	chr5	1.23E+08		-0.37727	-2.42191	0.016485	0.87755
cg044983							
49	chr16	10274317		0.316318	2.417304	0.016688	0.878382
cg230241							
02	chr13	45149706		0.271425	2.421246	0.016514	0.877798
cg095631							
02	chr2	47889		-0.22835	-2.42078	0.016535	0.878263
cg103709							
61	chr12	48723875		-0.42556	-2.41293	0.016883	0.879267
cg174923							
95	chr2	42180858		-0.40919	-2.41762	0.016674	0.878382
cg160793							
58	chr14	23340577		-0.18209	-2.42559	0.016325	0.876508
cg091737							
68	chr2	1.77E+08		0.28136	2.417627	0.016674	0.878382
cg002669							
68	chr7	2041505		-0.42883	-2.41891	0.016617	0.878291
cg024665							
72	chr10	94826319		0.259549	2.414783	0.0168	0.879267
cg084040							
09	chr13	1.1E+08		0.38717	2.414422	0.016816	0.879267
cg204123							
64	chr6	30299709		-0.42317	-2.4137	0.016849	0.879267
cg245952			ADAMTS12;ENS				
08	chr5	34496537	G00000272323	0.353189	2.418701	0.016626	0.878291
cg147811							
89	chr2	1.64E+08		0.45425	2.411755	0.016936	0.879854

cg243522							
67	chr21	45553111		-0.18365	-2.41121	0.01696	0.879854
cg144744			ENSG000002492				
99	chr5	60918505	79	-0.3356	-2.41341	0.016861	0.879267
cg156658							
33	chr6	26285013		0.376912	2.421216	0.016516	0.877798
cg014513							
28	chr14	61115053		0.299217	2.411709	0.016938	0.879854
cg265733							
34	chr12	1.14E+08		0.292171	2.411086	0.016966	0.879854
cg000756							
08	chr5	64770553		0.328257	2.419343	0.016598	0.878263
cg068556							
66	chr4	8617839		-0.32358	-2.4111	0.016965	0.879854
cg118593							
84	chr17	80120422		0.260331	2.419202	0.016604	0.878263
cg181239							
48	chr8	11560781		-0.2999	-2.40952	0.017036	0.880549
cg265243							
50	chr12	1.25E+08		-0.24928	-2.41339	0.016862	0.879267
cg151392							
54	chr17	72829938	TTYH2	-0.31738	-2.41094	0.016972	0.879854
cg126521							
37	chr2	2.43E+08		0.236274	2.419674	0.016583	0.878263
cg138000							
05	chr7	39629290		-0.45151	-2.42011	0.016564	0.878263
cg100189							
33	chr2	2.4E+08		-0.2357	-2.41845	0.016638	0.878291
cg173810							
32	chr4	83956989		0.384754	2.41414	0.016829	0.879267
cg121405							
43	chr7	31126495		-0.23302	-2.41558	0.016765	0.879059
cg016533							
54	chr6	74230425		0.230647	2.42004	0.016567	0.878263
cg044149							
75	chr12	1.3E+08		-0.29822	-2.42878	0.016187	0.874148
cg113287							
04	chr5	1.08E+08		-0.17935	-2.42472	0.016363	0.876508
cg104531							
48	chr16	89205542		0.364737	2.41743	0.016683	0.878382
cg090946							
15	chr8	17779997		0.276143	2.418153	0.016651	0.878291

			DNAH6;RNF181; DUXAP1;CAPG;T RABD2A;RETSAT;				
cg190713			LDHAP7				
42	chr2	85789035		-0.19494	-2.41725	0.016691	0.878382

cg011755							
63	chr20	61904085		-0.15624	-2.41845	0.016638	0.878291
cg272959							
39	chr14	1.06E+08		-0.27171	-2.41164	0.016941	0.879854
cg129812							
72	chr3	37281848		-0.27794	-2.41103	0.016968	0.879854
cg018858							
39	chr5	1.11E+08		-0.31325	-2.4131	0.016875	0.879267
cg049804							
28	chr1	26098214		0.256441	2.425226	0.016341	0.876508
cg104769							
50	chr7	1.52E+08 KMT2C		-0.29792	-2.41612	0.016741	0.878931
cg137096							
34	chr11	679709		0.304505	2.412958	0.016882	0.879267
cg264060							
14	chr7	4218169		-0.3209	-2.41178	0.016935	0.879854
cg071231							
32	chr1	92546040		0.233347	2.415853	0.016753	0.879046
cg082351							
61	chr14	57262049		0.455911	2.413087	0.016876	0.879267
cg252969							
38	chr7	98976900 ARPC1B		-0.52148	-2.40923	0.017049	0.880549
cg169011							
40	chr19	1301352		-0.34618	-2.41069	0.016984	0.879901
cg020329							
82	chr14	76905532		-0.32561	-2.41207	0.016922	0.879854
cg185742							
98	chr21	47015398		-0.24543	-2.41469	0.016804	0.879267
cg118956							
96	chr7	1.05E+08 CDHR3;PUS7		0.394908	2.415609	0.016763	0.879059
cg255196							
54	chr2	99774805		-0.29656	-2.41016	0.017007	0.880169

			ENSG000002606				
			04;SLC22A23;EN				
cg070284			SG00000233068				
15	chr6	3285475 ;BPHL		0.368749	2.418068	0.016654	0.878291
cg120438							
18	chr10	47008202 PTPN20A		0.585684	2.413647	0.016851	0.879267
cg068421							
81	chr11	2066779		0.372279	2.416044	0.016744	0.878931
cg100619							
27	chr14	88620324		-0.26618	-2.42253	0.016458	0.87755
cg180993							
06	chr19	21578450		0.300769	2.413089	0.016876	0.879267
cg051792							
04	chr12	91539940		0.326171	2.41807	0.016654	0.878291
cg157797							
16	chr3	45188208		-0.23179	-2.41468	0.016805	0.879267

cg22683036	chr1	63249209		0.508089	2.417518	0.016679	0.878382
cg05708536	chr1	1.13E+08		0.443119	2.416371	0.01673	0.878894
cg18977436	chr13	1.03E+08		-0.39554	-2.41357	0.016854	0.879267
cg23205629	chr8	33421410		0.319099	2.412253	0.016913	0.879854
cg22873510	chr8	1.27E+08	NDUFB9	-0.19813	-2.41755	0.016677	0.878382
cg18181904	chr17	53853689		0.199013	2.415559	0.016766	0.879059
cg11323359	chr7	47784660		-0.22734	-2.41919	0.016605	0.878263
cg14012264	chr7	4743426		-0.28692	-2.41432	0.016821	0.879267
cg13088206	chr1	2.37E+08		-0.29386	-2.41327	0.016868	0.879267
cg15109151	chr1	2.37E+08		0.275156	2.413728	0.016847	0.879267
cg14019348	chr2	9504768		-0.35142	-2.41535	0.016775	0.879267
cg26902279	chr5	1.35E+08		0.29516	2.41099	0.01697	0.879854
cg23707005	chr22	47558273		-0.31128	-2.41475	0.016802	0.879267
cg24865495	chr11	63912769		-0.26369	-2.41114	0.016963	0.879854
cg27665715	chr16	562977		-0.26762	-2.41463	0.016807	0.879267
cg23813865	chr1	2.12E+08		-0.29176	-2.41716	0.016695	0.878382
cg17314700	chr2	19548291		0.244785	2.416866	0.016708	0.878382
cg17410394	chr4	5897891		-0.33612	-2.41279	0.016889	0.879395
cg09981996	chr19	18061380		0.269931	2.414721	0.016803	0.879267
cg00146698	chr4	1.13E+08		-0.29638	-2.4098	0.017023	0.880444
cg22542222	chr10	1.32E+08		-0.27671	-2.41179	0.016934	0.879854
cg09182138	chr1	1.57E+08		0.242481	2.415593	0.016764	0.879059
cg08788246	chr22	20758901		0.27508	2.408564	0.017079	0.880549
cg17748645	chr6	39269903	ENSG00000235033;DAAM2;MOC S1	-0.32361	-2.41604	0.016744	0.878931

cg205862							
10	chr3	1.97E+08		-0.28735	-2.41301	0.016879	0.879267
cg125515							
67	chr20	3777255		-0.21692	-2.40934	0.017044	0.880549
cg032439			ENSG000002569				
46	chr12	21811034	73	0.287636	2.409789	0.017024	0.880444
cg041870							
39	chr16	89048704		0.272397	2.416985	0.016702	0.878382
cg073845							
89	chr16	89692360		0.345436	2.412179	0.016917	0.879854
cg190863							
09	chr7	1.35E+08		0.372208	2.411223	0.016959	0.879854
cg215569							
67	chr4	1.56E+08		-0.33136	-2.4105	0.016992	0.879901
cg118489							
28	chr7	1.58E+08		0.255418	2.413582	0.016854	0.879267
cg165722							
24	chr5	1.72E+08	STK10	0.381937	2.411536	0.016945	0.879854
cg063694							
43	chr1	41303048		-0.19946	-2.41138	0.016952	0.879854
cg180133							
06	chr15	68521911	HNRNPA1P5	0.152225	2.417359	0.016686	0.878382
cg035103							
10	chr11	63331286		0.193274	2.412741	0.016891	0.879395
cg048881							
16	chr10	46032181		-0.35149	-2.41122	0.01696	0.879854
cg072874							
63	chr1	47903450		0.287589	2.420366	0.016553	0.878263
cg187015							
98	chr10	91011892		-0.26636	-2.41682	0.01671	0.878382
cg010013							
14	chr4	3669900		-0.24696	-2.4143	0.016822	0.879267
cg124655							
18	chr17	58308936		-0.29406	-2.40883	0.017067	0.880549
cg222359							
01	chr2	2.43E+08		-0.21255	-2.41048	0.016993	0.879901
ch.1.9336			SNHG3;SNORA7				
76F	chr1	28306549	3B;SNHG12	0.422881	2.410913	0.016973	0.879854
cg030365							
92	chr10	1.01E+08		0.322393	2.412278	0.016912	0.879854
cg051329							
05	chr2	38600367		0.344561	2.416584	0.01672	0.878718
cg223615							
43	chr1	7757378		-0.28629	-2.40777	0.017115	0.880549
cg025472							
63	chr20	32450501	E2F1	-0.29372	-2.4064	0.017178	0.880549
cg132100							
78	chr17	48247370		0.217676	2.408794	0.017069	0.880549

cg058216							
33	chr1	10837632		-0.36907	-2.41172	0.016937	0.879854
cg096850							
96	chr1	86157111		0.303947	2.418483	0.016636	0.878291
cg104528							
01	chr17	76164396		-0.26759	-2.40753	0.017126	0.880549
cg183946							
48	chr5	1.42E+08		0.446601	2.443667	0.015556	0.871029
cg081011							
93	chr11	6290951		0.307981	2.415263	0.016779	0.879267
cg150324							
44	chr6	43027766		-0.18657	-2.41829	0.016645	0.878291
cg184701							
44	chr11	14994989		-0.23567	-2.4067	0.017164	0.880549
cg137795							
67	chr1	2.33E+08		-0.16484	-2.41073	0.016982	0.879901
cg118884							
47	chr5	55705596		0.406182	2.41215	0.016918	0.879854
cg007415							
23	chr10	31236948		-0.24905	-2.41314	0.016874	0.879267
cg198703							
65	chr6	41041678 USP49		0.220231	2.408211	0.017095	0.880549
cg266162							
58	chr16	358591		0.265493	2.414236	0.016825	0.879267
cg164907							
57	chr10	75908011		0.274804	2.410383	0.016997	0.879901
cg272972							
21	chr19	663093		-0.1938	-2.41037	0.016998	0.879901

			KIDINS220;ASAP				
cg104565			2;ADAM17;ENSG				
41	chr2	8721512 00000236008		0.307658	2.433017	0.016005	0.873393
cg211821			SYNE3;BDKRB2;S				
96	chr14	95786801 NHG10		-0.41961	-2.40792	0.017109	0.880549
cg091455							
46	chr16	56696748		0.356819	2.410788	0.016979	0.879901
cg026874							
18	chr11	85393765		0.678245	2.406631	0.017167	0.880549
cg097983							
66	chr7	52985263		0.384364	2.408308	0.017091	0.880549
cg003782							
92	chr9	1.41E+08		-0.22752	-2.41527	0.016778	0.879267
cg000256							
47	chr3	1.47E+08		0.175186	2.416088	0.016742	0.878931
cg263118							
04	chr11	1.33E+08 JAM3		-0.36571	-2.40917	0.017052	0.880549
cg228879							
49	chr10	1.35E+08		-0.29423	-2.41058	0.016989	0.879901



cg160069							
34	chr12	1.21E+08		0.194409	2.413727	0.016847	0.879267
cg184750							
39	chr19	6590106		-0.29336	-2.41351	0.016857	0.879267
cg002990							
47	chr19	2252069		0.26352	2.411155	0.016963	0.879854
cg087193							
80	chr2	1.53E+08		-0.26952	-2.4154	0.016773	0.879267
cg119080							
57	chr7	27171154		0.329151	2.408648	0.017076	0.880549
cg224032							
73	chr4	81951956		-0.23748	-2.40872	0.017072	0.880549
cg237594							
84	chr6	52285252		-0.31637	-2.4172	0.016693	0.878382
cg230760							
16	chr19	52097835	SIGLEC9	-0.20938	-2.41365	0.016851	0.879267
cg047623							
46	chr19	10341584		-0.17366	-2.40655	0.01717	0.880549
cg091224							
58	chr10	75490132	RAB5CP1	-0.2399	-2.41448	0.016814	0.879267
cg128304							
38	chr2	1E+08		-0.33055	-2.41309	0.016876	0.879267
cg071287							
99	chr10	1.15E+08		-0.29766	-2.40944	0.01704	0.880549
cg068070							
86	chr1	14071648		-0.24745	-2.41459	0.016809	0.879267

cg114990			RNF213;TMEM105;NPLOC4;LINC00482				
91	chr17	78735302		-0.50077	-2.40754	0.017126	0.880549
cg053610			WNT10B;LMBR1				
96	chr12	50349307	L	0.359121	2.407383	0.017133	0.880549
cg042476							
03	chr6	5994743	F13A1;LY86	0.331338	2.408037	0.017103	0.880549
cg049581							
24	chr7	1.49E+08		-0.14619	-2.40645	0.017175	0.880549
cg177351							
31	chr7	86849176		0.225917	2.408465	0.017084	0.880549
cg016434							
41	chr14	65567845		-0.37805	-2.40774	0.017117	0.880549
cg017762							
98	chr16	23767194	CHP2	0.358352	2.412002	0.016924	0.879854
cg128370							
57	chr6	1.5E+08		-0.18776	-2.40776	0.017116	0.880549
cg089755							
60	chr16	88870476		-0.24161	-2.40499	0.017241	0.880549
cg155812							
69	chr2	88650618		0.275706	2.409771	0.017025	0.880444

cg181812							
09	chr17	20006054		0.266839	2.407104	0.017145	0.880549
cg179464							
70	chr1	6685935		-0.22689	-2.40778	0.017115	0.880549
cg089118							
62	chr12	56733052		0.186246	2.417492	0.01668	0.878382
cg188879							
69	chr6	1.68E+08		-0.34532	-2.41053	0.016991	0.879901
cg256214							
66	chr1	2.03E+08		-0.37511	-2.41308	0.016876	0.879267
cg137221							
23	chr6	1.46E+08		0.357506	2.412529	0.016901	0.879782
cg219642							
31	chr19	1525705		-0.32619	-2.40931	0.017046	0.880549
cg043469							
68	chr11	3877179		-0.20207	-2.41026	0.017003	0.880057
cg116081							
47	chr4	85423065		0.39307	2.410991	0.01697	0.879854
cg174569							
94	chr10	6130864		-0.17794	-2.40895	0.017062	0.880549
cg189316							
29	chr21	47287357		0.378461	2.412879	0.016885	0.879289
cg161120							
50	chr18	713200		0.682706	2.403832	0.017294	0.880549
cg104332							
31	chr8	29940842		0.170215	2.403377	0.017315	0.880549
cg066919							
63	chr3	71149599		0.280923	2.414046	0.016833	0.879267
cg252579							
05	chr19	57335807		-0.22428	-2.40986	0.017021	0.880444
cg226753							
96	chr1	47488256		0.215972	2.411236	0.016959	0.879854
cg178921							
78	chr3	6902824 GRM7-AS1		0.357907	2.409273	0.017047	0.880549
cg254935							
45	chr19	10812419		-0.2112	-2.40739	0.017132	0.880549
cg015225							
53	chr1	1.11E+08 KCNC4-AS1		-0.32427	-2.40883	0.017067	0.880549
cg015296							
37	chr20	50721911		0.327588	2.408449	0.017085	0.880549
cg190350							
75	chr7	4736276		0.298261	2.41136	0.016953	0.879854
cg005733							
30	chr4	330651		-0.21299	-2.41298	0.016881	0.879267
cg032896							
81	chr11	1.12E+08		0.400444	2.405304	0.017227	0.880549
cg245871			CALHM2;USMG5				
75	chr10	1.06E+08 ;CCDC147		-0.54691	-2.40773	0.017117	0.880549

cg187089							
60	chr17	45772333		-0.18041	-2.40804	0.017103	0.880549
cg125192							
36	chr2	2.41E+08		0.275957	2.414145	0.016829	0.879267
cg253024							
19	chr5	11904015		0.271795	2.406896	0.017155	0.880549
cg150018							
43	chr2	2.36E+08		-0.31967	-2.40371	0.0173	0.880549
cg220992							
41	chr6	31379358	MSH5;LST1;PRR3	-0.27693	-2.40814	0.017099	0.880549
cg240536							
42	chr1	2.23E+08		0.249354	2.411297	0.016956	0.879854
cg111020							
98	chr10	1.19E+08		-0.34434	-2.40584	0.017203	0.880549
cg083782							
20	chr11	1.03E+08		0.406709	2.411044	0.016967	0.879854
cg247170							
61	chr10	1.03E+08		0.1807	2.40965	0.01703	0.880549
cg073239							
96	chr11	3210972		-0.17358	-2.40535	0.017225	0.880549
cg034020							
73	chr22	41974480		-0.28079	-2.41089	0.016974	0.879854
cg187695							
55	chr7	1.41E+08		-0.32278	-2.40999	0.017015	0.880358
cg139356							
89	chr1	9555691		0.273974	2.411329	0.016955	0.879854
cg196238							
35	chr15	25480005		-0.27563	-2.40558	0.017215	0.880549
cg131623							
28	chr8	22462125		-0.12943	-2.40874	0.017071	0.880549
cg172499							
42	chr21	45660288		0.171575	2.413093	0.016876	0.879267
cg156178							
53	chr13	47669359		-0.46986	-2.40547	0.01722	0.880549
cg133699			ZCWPW1;ZKSCA				
81	chr7	1E+08	N1	-0.1865	-2.40349	0.01731	0.880549
cg239162							
05	chr8	11614368	FAM86B2	0.393377	2.403551	0.017307	0.880549
cg267399							
75	chr4	1.58E+08		0.486815	2.409077	0.017056	0.880549
cg165169							
59	chr6	32765109	DAXX;RPS18	-0.24227	-2.40848	0.017083	0.880549
cg152779							
14	chr3	1.54E+08		0.299973	2.405228	0.017231	0.880549
cg087868							
29	chr7	41739801		0.280971	2.40859	0.017078	0.880549
cg160928							
34	chr4	1.13E+08	ANK2	0.223482	2.406455	0.017175	0.880549

cg247854							
73	chr3	35681883		0.333453	2.404682	0.017256	0.880549
cg146980							
25	chr10	1245418		0.334639	2.402714	0.017346	0.880905
cg148978							
38	chr17	79339158	OXLD1	-0.38125	-2.40832	0.01709	0.880549
cg026967							
90	chr15	75250997		0.371016	2.40716	0.017143	0.880549
cg094819							
70	chr1	2.45E+08		0.223284	2.406513	0.017172	0.880549

			WWC1;TENM2;S				
cg241858			LIT3;LCP2;ENSGO				
52	chr5	1.69E+08	0000248222	-0.27699	-2.41045	0.016994	0.879901
cg028058							
22	chr17	6916868		-0.29364	-2.41402	0.016834	0.879267
cg224952							
11	chr7	56514965		-0.32978	-2.41166	0.01694	0.879854
cg212305							
38	chr8	1.03E+08		-0.16893	-2.40296	0.017334	0.880675
cg268700							
57	chr2	1.19E+08		-0.32519	-2.40561	0.017213	0.880549
cg196858							
81	chr15	92574023		-0.57339	-2.40262	0.01735	0.880905
cg125302							
70	chr1	1.55E+08		0.239484	2.402112	0.017373	0.881505
cg217247							
17	chr7	93634202		0.310923	2.40478	0.017251	0.880549
cg104882							
92	chr7	6075080		0.275905	2.419729	0.016581	0.878263
cg174651							
12	chr1	37720957		0.374977	2.407699	0.017118	0.880549
cg155434							
89	chr19	46527546		0.303598	2.406409	0.017177	0.880549
cg043668							
01	chr1	26947443		-0.19301	-2.40685	0.017157	0.880549
cg248742							
77	chr15	33211107		-0.28439	-2.40351	0.017309	0.880549
cg252047							
69	chr6	35118442		-0.26657	-2.40744	0.01713	0.880549
cg091446							
08	chr1	2098929		-0.29347	-2.403	0.017332	0.880675
cg009158							
18	chr4	1.66E+08		-0.30529	-2.40687	0.017156	0.880549
cg027435							
76	chr2	2.42E+08		0.251375	2.402594	0.017351	0.880905
cg199744							
48	chr10	1.27E+08		-0.26722	-2.40722	0.01714	0.880549

cg100182							
72	chr1	67519814		-0.27071	-2.40181	0.017387	0.881782
cg126409							
30	chr1	1.75E+08		0.193135	2.406648	0.017166	0.880549
cg020911							
85	chr5	1.7E+08	LCP2;DOCK2	0.62801	2.404545	0.017262	0.880549
cg015869			LCK;MARCKSL1;				
52	chr1	32891825	DCDC2B	-0.33737	-2.39985	0.017477	0.882586
cg245992							
05	chr1	1.11E+08		0.14612	2.404464	0.017266	0.880549
ch.10.109							
266902R	chr10	1.09E+08		-0.29657	-2.40601	0.017195	0.880549
cg208712							
43	chr1	2.35E+08		-0.16111	-2.4049	0.017246	0.880549
cg150954							
27	chr1	2.35E+08		-0.34252	-2.40888	0.017065	0.880549
cg007528							
52	chr2	2.19E+08		0.131764	2.408746	0.017071	0.880549
cg188032							
51	chr4	7374622		-0.29231	-2.40612	0.01719	0.880549
cg024272							
30	chr19	20278013		0.345495	2.399967	0.017472	0.882586
cg211684							
44	chr12	11896095		-0.38586	-2.39995	0.017473	0.882586
cg081753							
52	chr3	1.02E+08		-0.53292	-2.408	0.017105	0.880549
cg092088							
64	chr14	91805692		-0.18948	-2.40878	0.017069	0.880549
cg148781							
50	chr12	1.02E+08		-0.23706	-2.40535	0.017225	0.880549
cg068553							
34	chr11	18610462		-0.23229	-2.4039	0.017291	0.880549
cg015958							
04	chr13	1.14E+08		-0.25778	-2.40448	0.017265	0.880549
cg053092							
80	chr2	1.72E+08		0.392007	2.400462	0.017449	0.88242
cg237948							
48	chr12	3563020		-0.342	-2.40378	0.017297	0.880549
cg252108							
84	chr7	32091043		-0.27445	-2.4035	0.01731	0.880549
cg110536							
63	chr11	58034457		-0.33412	-2.40799	0.017105	0.880549
cg123089							
09	chr6	1.67E+08		0.341975	2.404786	0.017251	0.880549
cg143270							
63	chr9	1.08E+08		-0.34287	-2.40398	0.017288	0.880549
cg149792							
31	chr7	1.28E+08		0.180776	2.403804	0.017296	0.880549

cg163442							
15	chr14	23503697		-0.25952	-2.40511	0.017236	0.880549
cg249978							
88	chr1	1.79E+08		-0.62973	-2.40345	0.017312	0.880549
cg248599							
86	chr1	84084182		-0.40198	-2.40406	0.017284	0.880549
cg095162							
10	chr1	2825189	TP73-AS1	-0.21328	-2.39798	0.017564	0.883205
cg025772							
03	chr11	47869805		-0.21435	-2.40334	0.017317	0.880549
cg048307							
57	chr5	87880065		-0.36037	-2.40531	0.017227	0.880549
cg168907			TEAD2;VRK3;HR				
96	chr19	49937087	C	0.255779	2.403962	0.017289	0.880549
cg119938							
73	chr8	43418721		-0.30425	-2.4005	0.017447	0.88242
cg052371							
14	chr8	58905672		-0.36105	-2.39913	0.01751	0.882849
cg139614							
25	chr6	31596913		-0.21685	-2.40336	0.017316	0.880549
cg205098							
69	chr2	2.2E+08		0.460432	2.400644	0.017441	0.88242
cg171530							
55	chr11	65265971		-0.30051	-2.40211	0.017373	0.881505
cg068462							
14	chr1	2.49E+08	NLRP3	-0.39945	-2.40019	0.017462	0.882528
cg252141			ENSG000002555				
87	chr11	1.34E+08	45	-0.26525	-2.40464	0.017258	0.880549
cg217671							
91	chr3	17082105		-0.33739	-2.40419	0.017278	0.880549
cg119225							
63	chr5	75016955	GFM2;ANKDD1B	0.49438	2.401893	0.017383	0.881782
cg258175							
03	chr4	7788342		0.530533	2.428718	0.016189	0.874148
cg244510							
81	chr13	1.14E+08		0.282306	2.407045	0.017148	0.880549
cg157212							
43	chr19	53361448		-0.78132	-2.40605	0.017193	0.880549
cg093924							
99	chr2	65250623		-0.20814	-2.40794	0.017107	0.880549
cg206763							
17	chr10	1.35E+08		-0.23125	-2.40115	0.017417	0.88242
cg057086							
56	chr16	71792305		0.325859	2.403708	0.0173	0.880549
cg159165							
54	chr15	31508820	GOLGA8H	-0.33082	-2.39848	0.01754	0.883023
cg041885							
55	chr2	2.37E+08		0.265999	2.400373	0.017453	0.88242
cg198357							
96	chr5	1.24E+08		0.310823	2.403026	0.017331	0.880675

cg136501							
56	chr7	99970502	SLC12A9	-0.21691	-2.39939	0.017498	0.882822
cg013107							
84	chr17	43131994		0.253367	2.400445	0.01745	0.88242
cg040914							
05	chr11	1.19E+08		0.236173	2.401836	0.017386	0.881782
cg271123							
81	chr22	29602183		-0.25499	-2.40697	0.017151	0.880549
cg228463							
34	chr15	43941042		-0.3439	-2.40404	0.017285	0.880549
cg239302							
33	chr7	1E+08		0.241008	2.398842	0.017524	0.882861
cg241957							
96	chr15	29362669	APBA2	0.303457	2.403883	0.017292	0.880549
cg269210							
93	chr17	63534688		0.315756	2.406582	0.017169	0.880549
cg033092							
51	chr3	1.95E+08		0.342069	2.39853	0.017538	0.883023
cg069053							
87	chr18	44259787		-0.24033	-2.3998	0.01748	0.882614
cg211711							
30	chr14	24610583		0.168819	2.408105	0.0171	0.880549
cg060066							
65	chr10	519597		-0.34609	-2.39645	0.017635	0.883835
cg140769							
23	chr9	1.24E+08	GGTA1P;PHF19	-0.31687	-2.40048	0.017448	0.88242
cg011718							
85	chr8	63949480	GGH	-0.34401	-2.41001	0.017014	0.880358
cg157646							
55	chr22	50914909		-0.18092	-2.40284	0.01734	0.880749
cg257500							
18	chr22	21141659		-0.28943	-2.40047	0.017449	0.88242
cg081030							
72	chr14	1.06E+08		-0.19843	-2.40463	0.017258	0.880549
cg059608			PXDN;SNTG2;TP				
50	chr2	2192366	O	-0.25708	-2.41118	0.016961	0.879854
cg054928							
18	chr16	89114193		0.51864	2.404913	0.017245	0.880549
cg014197							
57	chr11	1.02E+08		-0.18835	-2.40187	0.017385	0.881782
cg084550							
99	chr2	95663959		0.271309	2.401135	0.017418	0.88242
cg049921							
91	chr1	2.38E+08		-0.39737	-2.40569	0.01721	0.880549
cg198130							
25	chr5	5139643		0.292964	2.403617	0.017304	0.880549
ch.16.626							
34859F	chr16	64077358		-0.49072	-2.4002	0.017461	0.882528
cg034181							
54	chr15	63569557		-0.21321	-2.40041	0.017451	0.88242

cg180259							
76	chr4	74124864		-0.3206	-2.40496	0.017243	0.880549
cg085159							
89	chr16	29912904		0.582426	2.398382	0.017545	0.883023
cg106238							
26	chr6	31778639		-0.24675	-2.40078	0.017435	0.88242
cg106322							
66	chr1	1.68E+08	RCSD1	-0.16068	-2.40446	0.017266	0.880549
cg130705			SOGA1;ERGIC3;				
73	chr20	34995363	DLGAP4;MYL9	0.275522	2.40172	0.017391	0.881835
cg185813							
55	chr5	53223750		0.390895	2.403508	0.017309	0.880549
cg258775							
12	chr11	1365753		0.286209	2.396361	0.017639	0.883868
cg151358							
42	chr3	60728530	PTPRG	-0.4388	-2.39995	0.017473	0.882586
cg052960							
57	chr19	3030247	TJP3	-0.22624	-2.40024	0.017459	0.882528
cg069901							
94	chr16	2024421		0.200581	2.399172	0.017509	0.882849
cg122668							
41	chr11	45687263		-0.13248	-2.39935	0.0175	0.882822
cg255534							
77	chr12	2920853	PARP11	-0.25714	-2.40326	0.017321	0.880549
cg026038			TMEM219;SEZ6L				
76	chr16	30689847	2;DCTPP1;CD2BP	-0.20515	-2.40496	0.017243	0.880549
cg225617							
57	chr8	27529643	FZD3	-0.28511	-2.40522	0.017231	0.880549
cg017084							
11	chr12	57631839		-0.2384	-2.40147	0.017403	0.882055
cg140991							
60	chr6	1.08E+08		-0.23448	-2.39906	0.017514	0.882849
cg037729							
09	chr3	1.39E+08		0.421998	2.401413	0.017405	0.882087
cg143344							
41	chr6	27235820		0.369079	2.402412	0.017359	0.881225
cg156825							
75	chr4	88732782		-0.26756	-2.39769	0.017577	0.883259
cg090447							
85	chr20	30458634		0.305664	2.408892	0.017064	0.880549
cg064323							
42	chr6	44134066	SRF;XPO5	0.327792	2.402613	0.01735	0.880905
cg005141							
86	chr20	62575401		-0.20421	-2.39789	0.017568	0.883205
cg015786							
32	chr16	69958298		0.33981	2.398565	0.017537	0.883023



cg267793							
30	chr11	1297558	IFITM1	0.379666	2.398896	0.017521	0.882861
cg230366							
78	chr11	70002831	CTTN	-0.44543	-2.40413	0.017281	0.880549
cg235607							
56	chr11	93862073		-0.16933	-2.40349	0.01731	0.880549
cg070484							
15	chr10	1.27E+08	FANK1;EDRF1	0.321534	2.407112	0.017145	0.880549
cg062334							
73	chr6	1.17E+08		0.235871	2.403139	0.017326	0.880675
cg087998							
65	chr10	1.05E+08		-0.17716	-2.40324	0.017321	0.880549
cg033896							
53	chr16	49316197		0.49846	2.395228	0.017692	0.884104
cg044575							
75	chr7	1.56E+08		0.225512	2.406855	0.017157	0.880549
cg226888							
36	chr12	88967594		-0.37296	-2.39659	0.017628	0.883835
cg253358							
41	chr7	38351094		0.488599	2.404098	0.017282	0.880549
cg173260							
90	chr22	28198472		0.28768	2.399895	0.017475	0.882586
cg008090							
21	chr3	50641523	SEMA3F	-0.18388	-2.40101	0.017424	0.88242
cg084458							
02	chr6	85482612	MRAP2	0.351288	2.397761	0.017574	0.883205
cg098713							
15	chr7	27142682		0.309826	2.402905	0.017337	0.880705
cg224599							
48	chr17	36508988		0.303025	2.399293	0.017503	0.882849
cg035813							
11	chr4	19457163		0.46834	2.407524	0.017126	0.880549
			LRRC27;TTC40;K				
			NDC1;TUBGCP2;				
cg149056			PWWP2B;INPP5				
00	chr10	1.34E+08	A	0.534517	2.405637	0.017212	0.880549
cg272973							
26	chr6	31894990		-0.40799	-2.39447	0.017727	0.884203
cg075690							
18	chr7	1.57E+08		-0.3084	-2.40098	0.017425	0.88242
cg072730							
03	chr11	16955416		0.266339	2.399023	0.017516	0.882849
cg261216							
39	chr10	1.32E+08		0.407109	2.396932	0.017612	0.883835
cg098208							
27	chr13	1.12E+08		-0.27239	-2.39953	0.017492	0.882753
cg032867							
42	chr2	6946032		-0.28721	-2.40515	0.017234	0.880549

cg016014							
70	chr4	2137389		-0.27187	-2.39968	0.017485	0.882688
cg203085							
40	chr1	2.43E+08		0.312971	2.405627	0.017213	0.880549
cg054704							
68	chr3	44620074		-0.27806	-2.40011	0.017466	0.882586
cg195964							
35	chr1	11741483		-0.23885	-2.39426	0.017737	0.884203
cg104730							
26	chr12	34531563		0.30461	2.400872	0.01743	0.88242
cg202272							
13	chr3	37284559		-0.21297	-2.3967	0.017623	0.883835
cg045472							
20	chr2	84743558		0.229757	2.400432	0.01745	0.88242
cg265747							
77	chr13	1.01E+08		-0.31134	-2.40627	0.017183	0.880549
cg074523							
12	chr5	1.54E+08		-0.35324	-2.3979	0.017568	0.883205
cg034826							
82	chr20	708659		0.303823	2.401701	0.017392	0.881835
cg129905							
75	chr6	43042420		-0.17227	-2.40476	0.017252	0.880549
cg047241							
10	chr7	1.57E+08		0.343883	2.399108	0.017512	0.882849
cg017288							
66	chr1	43638014		0.203633	2.398625	0.017534	0.883023
cg178639							
12	chr2	1.77E+08		0.30513	2.403629	0.017304	0.880549
cg061425							
37	chr2	71114785		0.317188	2.402173	0.01737	0.881505
cg026447							
98	chr12	39837362		0.151263	2.40162	0.017396	0.881918
cg118582							
52	chr15	93257913		-0.1519	-2.40572	0.017209	0.880549
cg075810		ENSG000002615					
31	chr16	89898288 74		-0.19606	-2.40698	0.017151	0.880549
cg145320							
69	chr18	59993399		-0.30641	-2.40528	0.017228	0.880549
cg039771							
57	chr17	57184624		-0.19848	-2.39833	0.017548	0.883023
cg068041							
54	chr1	1.1E+08		-0.15353	-2.40088	0.01743	0.88242
cg039815							
96	chr16	21695771		0.249066	2.394941	0.017705	0.884104
cg110327							
07	chr15	45671246 GATM		0.382852	2.394039	0.017747	0.884215
cg026358							
29	chr10	98740885		0.318528	2.405748	0.017207	0.880549
cg013238							
62	chr15	71185186		0.244228	2.397142	0.017603	0.883835

cg075079			ENSG000002608				
51	chr1	2.47E+08	55	0.366169	2.393615	0.017767	0.884232
cg229427							
04	chr1	20813574		0.246582	2.395545	0.017677	0.884104
cg017877			USP32P1;CCDC1				
35	chr17	16690169	44A	0.394036	2.395158	0.017695	0.884104
cg104627							
78	chr5	1.72E+08		0.361868	2.396493	0.017633	0.883835
cg083825							
42	chr17	77772022		-0.19293	-2.39694	0.017612	0.883835
cg000197							
59	chr1	2.13E+08		0.243472	2.396145	0.017649	0.88402
cg093359							
11	chr10	1E+08		-0.22043	-2.39603	0.017655	0.88402
cg112178			ECSCR;DNAJC18; IK;CTNNA1;TMC				
65	chr5	1.39E+08	O6;CD14;ZMAT2	0.546067	2.403273	0.01732	0.880549
cg167101							
70	chr7	1.52E+08		-0.32526	-2.39466	0.017718	0.884104
cg039543			ENSG000002635				
53	chr17	43715162	03	-0.28755	-2.40375	0.017298	0.880549
cg038507							
30	chr15	62531125		-0.26007	-2.39501	0.017702	0.884104
cg072844							
07	chr20	57429858		0.259968	2.392542	0.017817	0.884826
cg093674							
32	chr4	3643635		0.246066	2.403333	0.017317	0.880549
cg227259							
01	chr19	54211361		0.236132	2.399524	0.017492	0.882753
cg132287							
01	chr11	78614522		0.495019	2.405599	0.017214	0.880549
cg071425							
55	chr17	45056929		0.34615	2.403281	0.01732	0.880549
cg121873							
94	chr13	1.13E+08		0.23229	2.398859	0.017523	0.882861
cg266608							
00	chr17	59480926		0.202848	2.399915	0.017474	0.882586
cg068668							
14	chr16	68027297		-0.1683	-2.39598	0.017657	0.88402
cg271986							
96	chr6	31680112	VAR2;HLA-C	0.319379	2.400441	0.01745	0.88242
cg042345							
97	chr5	3851581		-0.46252	-2.39776	0.017574	0.883205
cg051735							
17	chr12	1.22E+08		-0.19633	-2.39367	0.017765	0.884232

cg00049709	chr1	3057810		-0.2935	-2.39898	0.017517	0.882849
cg25026700	chr4	1.6E+08		-0.30488	-2.399	0.017516	0.882849
cg19603557	chr17	53044969	TMEM100	-0.35726	-2.39439	0.017731	0.884203
cg02725437	chr6	90348314		0.198591	2.399509	0.017493	0.882753
cg12009856	chr10	15131892		0.359375	2.396499	0.017633	0.883835
cg07740877	chr20	61493324		0.140242	2.393787	0.017759	0.884232
cg04306106	chr16	84681729		0.266643	2.394814	0.017711	0.884104
cg09762043	chr15	22833802		-0.24702	-2.40438	0.017269	0.880549
cg27230984	chr17	916362		0.214547	2.395706	0.01767	0.884104
cg22717014	chr4	1.12E+08		0.372267	2.400614	0.017442	0.88242
cg03870845	chr17	52978014		-0.15053	-2.39629	0.017642	0.883931
cg10924857	chr17	20013829		0.418665	2.394833	0.01771	0.884104
cg13641690	chr15	78114888	PEAK1;PSMA4;IR EB2	-0.24427	-2.3933	0.017782	0.884492
cg12921799	chr21	33100923		0.409855	2.39701	0.017609	0.883835
cg14384748	chr12	1.33E+08		-0.76193	-2.39113	0.017884	0.884826
cg01221637	chr20	31071944		-0.20208	-2.40416	0.017279	0.880549
cg27588076	chr5	1.34E+08		-0.21111	-2.39543	0.017682	0.884104
cg04486885	chr5	1.77E+08		0.334317	2.397283	0.017596	0.883756
cg18692149	chr19	21646447	ENSG000002684 16;ZNF626	0.431497	2.390823	0.017898	0.884826
cg22699084	chr13	31022702		0.212209	2.398192	0.017554	0.883127
cg07033624	chr13	1.13E+08		0.276575	2.394802	0.017712	0.884104
cg22903908	chr10	64578919		0.284766	2.397321	0.017594	0.883756
cg11109027	chr1	2.08E+08		-0.37929	-2.40154	0.017399	0.88199
cg24069037	chr11	64009540		-0.25009	-2.39479	0.017712	0.884104

cg273643							
94	chr4	1.53E+08		-0.30194	-2.39534	0.017687	0.884104
cg033447							
82	chr8	1.33E+08		-0.25305	-2.39477	0.017713	0.884104
cg223051							
67	chr6	29521420		0.589956	2.391093	0.017886	0.884826
cg160239							
43	chr10	27541331		0.362542	2.39416	0.017742	0.884215
cg240484							
37	chr5	53656287		-0.32737	-2.39835	0.017547	0.883023
cg068717							
64	chr6	32376095	BTNL2;HLA-DMA	-0.32369	-2.40115	0.017417	0.88242
cg011325							
02	chr5	1.79E+08		0.250162	2.395685	0.01767	0.884104
cg190255							
25	chr1	2.29E+08		-0.21959	-2.395	0.017702	0.884104
cg067298							
44	chr8	42551436		-0.29287	-2.39003	0.017935	0.884826
cg020959							
46	chr8	1397913		-0.23426	-2.39527	0.01769	0.884104
cg124399							
77	chr5	1.73E+08		0.33921	2.39665	0.017626	0.883835
cg020485							
05	chr7	48075568		-0.23896	-2.39647	0.017634	0.883835
cg037230							
01	chr12	1.17E+08		0.30345	2.396052	0.017653	0.88402
cg041945							
02	chr15	27135732		-0.29377	-2.39871	0.01753	0.883023

cg103401			TLE2;C19orf10;F				
17	chr19	3984058	ZR1;APBA3	0.316611	2.393309	0.017782	0.884492
cg201121							
10	chr6	1.06E+08		-0.2475	-2.39642	0.017636	0.883835
cg021612							
92	chr5	1.41E+08	DIAPH1	0.414344	2.402238	0.017367	0.881505

cg133610			ATP10A;PWAR6; SNHG14;SNORD				
23	chr15	26105176	108	0.258076	2.393788	0.017759	0.884232
cg255552							
79	chr14	77423093		0.204908	2.393198	0.017787	0.884527
cg001056							
28	chr20	21087165		0.339431	2.396562	0.01763	0.883835
cg070050			HMGB1;B3GALT				
67	chr13	31782610	L	-0.44855	-2.39843	0.017543	0.883023
cg262532							
58	chr20	60697513		-0.26894	-2.39785	0.01757	0.883205

cg176171							
82	chr6	12279872		-0.36552	-2.39477	0.017713	0.884104
cg176527							
41	chr4	13629432		-0.19384	-2.39422	0.017739	0.884203
cg124233							
38	chr3	99944194		-0.25394	-2.3904	0.017918	0.884826

			PLEKHB1;DNAJB				
			13;POLD3;PPME				
			1;ENSG0000025				
			5847;C2CD3;PG				
			M2L1;FCHSD2;E				
cg259410			NSG0000025483				
75	chr11	73729854	7;UCP2	0.346898	2.411569	0.016944	0.879854
cg094175							
30	chr8	91658296		0.190159	2.398101	0.017558	0.883205
cg123174							
14	chr10	75407991		0.316819	2.39594	0.017659	0.88402
cg046336							
00	chr5	1.02E+08		-0.2661	-2.3898	0.017947	0.884826
cg139857							
26	chr5	1.28E+08		0.250742	2.396828	0.017617	0.883835
cg050562							
88	chr2	30673635		-0.4452	-2.39506	0.0177	0.884104
cg272442							
42	chr6	31648070		-0.19848	-2.39349	0.017773	0.884255
cg179304							
59	chr19	49967850		0.253442	2.396572	0.017629	0.883835
cg164303							
65	chr16	86598888		0.272618	2.393079	0.017792	0.88455
cg173384							
30	chr5	1.71E+08		0.352324	2.392566	0.017816	0.884826
cg152599							
20	chr17	73997287		-0.37781	-2.39259	0.017815	0.884826

			SERINC2;MTMR				
			9LP;ZCCHC17;LC				
cg002507			K;EIF3I;HDAC1;P				
61	chr1	31883323	UM1	-0.4312	-2.3945	0.017726	0.884203
cg097602							
00	chr20	62439544		-0.29585	-2.39095	0.017892	0.884826
cg272620							
41	chr11	19654032	ZDHHC13	-0.44285	-2.39426	0.017737	0.884203
cg221645							
77	chr2	1.71E+08		0.318299	2.394678	0.017717	0.884104

cg228388			NME9;FAIM;ENS				
82	chr3	1.39E+08	G00000248932	0.311983	2.394677	0.017717	0.884104
cg267349							
16	chr11	62432630		0.189864	2.396471	0.017634	0.883835
cg134049							
51	chr12	1.2E+08		-0.21497	-2.3876	0.018051	0.884826
cg013701							
81	chr15	96874052		-0.25073	-2.403	0.017332	0.880675
cg134669							
30	chr11	1.25E+08		-0.27416	-2.39624	0.017645	0.88395
cg267232							
59	chr6	26199618		0.320038	2.395373	0.017685	0.884104
cg205596							
08	chr3	1.32E+08		0.223003	2.392883	0.017801	0.884747
cg069607							
94	chr6	1.49E+08		-0.30323	-2.39577	0.017667	0.884104
cg085879							
48	chr17	76490147		-0.28891	-2.39381	0.017758	0.884232
cg038282							
24	chr5	1.22E+08		-0.20018	-2.3936	0.017768	0.884232
cg129041							
14	chr2	96930658		0.272784	2.397477	0.017587	0.883652
cg015789							
96	chr19	57752011		-0.14298	-2.39045	0.017916	0.884826
cg099755							
62	chr2	2.4E+08		0.274471	2.395567	0.017676	0.884104
cg135345							
80	chr2	2.39E+08		0.368098	2.399469	0.017495	0.882753
cg160976							
55	chr5	1.32E+08		0.224636	2.391088	0.017886	0.884826
cg016169							
94	chr22	41593912		-0.22189	-2.39667	0.017625	0.883835
cg157137							
34	chr4	1.38E+08		-0.39556	-2.39172	0.017856	0.884826
cg013689							
00	chr3	13113959		0.281313	2.391394	0.017871	0.884826
cg115180							
32	chr2	1.21E+08		-0.23136	-2.39029	0.017923	0.884826
cg207013							
33	chr19	48965566	NTF4	0.378672	2.393056	0.017793	0.88455
cg134549							
37	chr17	55159264		-0.22187	-2.39355	0.01777	0.884232

			CALM1;EFCAB11				
cg250082			;TTC8;ENSG0000				
63	chr14	89884608	0258752	0.284276	2.408763	0.01707	0.880549

cg085507							
85	chr8	1.05E+08		-0.41122	-2.38694	0.018082	0.884826
ch.4.3354							
065F	chr4	1.84E+08		0.244802	2.390452	0.017916	0.884826
cg108211							
15	chr5	1.29E+08		0.199082	2.391762	0.017854	0.884826
cg055879							
26	chr11	1.22E+08		0.211963	2.391374	0.017872	0.884826
cg042600							
57	chr17	79788636	MAFG-AS1	-0.19067	-2.39034	0.017921	0.884826
cg058955							
07	chr15	77155635		-0.36042	-2.39358	0.017769	0.884232
cg126819							
32	chr3	33481897		-0.21717	-2.38963	0.017955	0.884826
cg273565							
13	chr7	27265463		0.276589	2.390117	0.017932	0.884826
cg037625							
91	chr6	32040379		0.372239	2.390011	0.017937	0.884826
cg197811							
17	chr4	1.31E+08		-0.37439	-2.3905	0.017913	0.884826

			RDH10;ENSG000				
cg269611			00253339;ENSG				
66	chr8	73687160	00000250295	-0.3955	-2.39058	0.01791	0.884826
cg067928							
47	chr17	62773246	LRRC37A3	-0.21937	-2.39258	0.017816	0.884826
cg126146							
87	chr5	76926752		0.316627	2.391337	0.017874	0.884826
cg210909							
62	chr3	51428456		0.249798	2.393889	0.017754	0.884232
cg131718							
90	chr6	1.24E+08		-0.17645	-2.38983	0.017945	0.884826
cg165400							
36	chr5	1.4E+08		0.175066	2.400728	0.017437	0.88242
cg010214							
88	chr15	99395581		-0.19851	-2.38932	0.017969	0.884826
cg154415							
56	chr14	1.02E+08	MOK	0.208852	2.394405	0.01773	0.884203
cg025844							
98	chr2	11674057		-0.58835	-2.39029	0.017923	0.884826
cg094774							
07	chr12	1.05E+08		0.399422	2.3978	0.017572	0.883205
cg218958							
69	chr7	1.56E+08		-0.32817	-2.39288	0.017801	0.884747
cg032267							
37	chr11	7273049		0.428622	2.391802	0.017852	0.884826
cg056668							
42	chr3	1.26E+08		-0.18056	-2.38765	0.018049	0.884826



cg128201						
91	chr3	1.87E+08	IGF2BP2	-0.15837	-2.39226	0.01783 0.884826
cg084165						
69	chr2	1.31E+08		-0.25301	-2.38853	0.018006 0.884826
cg209626						
38	chr2	2.3E+08		0.343212	2.38688	0.018085 0.884826
cg019037						
85	chr1	2.26E+08		-0.28093	-2.3978	0.017572 0.883205
cg252840						
89	chr19	2731231		-0.2511	-2.39085	0.017897 0.884826
cg190250						
34	chr19	49198900		0.194912	2.391354	0.017873 0.884826
cg135733						
71	chr9	94897483		-0.39941	-2.39821	0.017553 0.883127
cg174306						
25	chr19	18304286		0.177685	2.386963	0.018081 0.884826
cg141395						
81	chr11	64358342	COX8A	-0.29501	-2.39686	0.017616 0.883835
cg059776			ENSG000002148			
69	chr7	27225070	70	0.296575	2.389635	0.017954 0.884826
cg246923						
10	chr11	60915630	MS4A1	0.260106	2.387611	0.01805 0.884826
cg028980						
51	chr16	3415256		0.560342	2.387997	0.018032 0.884826
cg268393						
56	chr15	99603018		0.216616	2.39103	0.017889 0.884826
cg129909						
15	chr2	1.32E+08		0.253611	2.389791	0.017947 0.884826
cg031437						
25	chr7	800987		-0.25851	-2.3881	0.018027 0.884826
cg145710						
04	chr9	1.02E+08		0.297812	2.391527	0.017865 0.884826
cg153405						
82	chr5	1.4E+08		0.242889	2.391596	0.017862 0.884826
cg206807						
54	chr19	37157721		-0.21921	-2.39736	0.017593 0.883756
cg251864						
92	chr17	73978502		-0.42415	-2.38932	0.017969 0.884826
cg239631						
53	chr2	1.97E+08		0.180955	2.397254	0.017597 0.883756
cg057721						
04	chr2	98340425		0.302221	2.393248	0.017784 0.884513
cg202769						
47	chr17	80056775		-0.15785	-2.39188	0.017848 0.884826
			ZIK1;ZNF134;ZN			
cg116185			F418;ZNF549;ZN			
29	chr19	58952108	F671	0.293334	2.387828	0.01804 0.884826
cg187920						
22	chr1	11709271	DHRS3	0.462508	2.394047	0.017747 0.884215

cg142445							
77	chr16	70332878		0.209635	2.386174	0.018119	0.884826
cg178511							
05	chr16	1464982		-0.25485	-2.38963	0.017954	0.884826
cg050828							
17	chr9	1.34E+08		0.256706	2.389737	0.01795	0.884826
cg067768							
24	chr8	1.02E+08		0.170995	2.389768	0.017948	0.884826
cg053452							
49	chr7	80291832		0.315214	2.388494	0.018008	0.884826
cg145792							
40	chr9	1.4E+08		0.211642	2.394581	0.017722	0.884189
cg273452							
86	chr11	33796106		-0.23544	-2.38619	0.018118	0.884826
cg120868							
06	chr11	45716445		-0.26396	-2.39128	0.017877	0.884826
cg051028							
69	chr16	5065190		0.282819	2.395112	0.017697	0.884104
cg218872							
46	chr11	3862297		0.191601	2.388465	0.01801	0.884826
cg014744							
81	chr12	1.22E+08		0.161588	2.38659	0.018099	0.884826
cg184119							
41	chr1	1132976		0.418998	2.388472	0.018009	0.884826
cg254881							
60	chr3	1.33E+08		-0.28948	-2.38963	0.017955	0.884826
cg028678							
18	chr10	180329		0.40661	2.386764	0.018091	0.884826
cg202755							
28	chr17	75369484		-0.22368	-2.38453	0.018197	0.884826
cg068844							
95	chr14	1.04E+08 TDRD9		0.344217	2.392497	0.01782	0.884826
cg192873							
20	chr4	1.7E+08		-0.31756	-2.39604	0.017654	0.88402
ch.2.2373							
14361R	chr2	2.38E+08		-0.31114	-2.39862	0.017534	0.883023
cg234279							
63	chr10	1095038		-0.17074	-2.39435	0.017733	0.884203
cg065467							
17	chr12	1.14E+08		-0.23102	-2.38891	0.017989	0.884826
cg071457							
09	chr1	3667876		-0.16741	-2.38921	0.017975	0.884826
cg121383							
30	chr19	17955043		-0.22101	-2.38897	0.017986	0.884826
cg067756							
44	chr17	54991465		0.191277	2.388855	0.017991	0.884826
cg027914							
17	chr17	59492932		-0.17456	-2.39366	0.017765	0.884232
cg162561							
06	chr19	3970885		0.250851	2.39971	0.017484	0.882688

cg088890							
09	chr15	59157123		0.411342	2.390257	0.017925	0.884826
cg043082							
24	chr19	49122627		-0.186	-2.38461	0.018193	0.884826
cg063259							
96	chr3	10288127		-0.32691	-2.38706	0.018077	0.884826
cg159484							
10	chr17	80040611		0.293696	2.38798	0.018033	0.884826
cg089287							
53	chr1	43770707		-1.09274	-2.38798	0.018033	0.884826
cg265751							
73	chr19	40884830	FCGBP;AXL;FBL	-0.21	-2.38976	0.017948	0.884826
cg242151							
59	chr2	4050695		-0.36694	-2.38762	0.01805	0.884826
cg052243							
85	chr12	53715634		-0.33585	-2.39078	0.0179	0.884826
cg144580			PCDHGB6;PCDH				
68	chr5	1.41E+08	GA4	0.429403	2.383798	0.018232	0.884826
cg112429							
78	chr22	46423387		0.233217	2.388398	0.018013	0.884826
cg006514							
01	chr3	1.96E+08		-0.28173	-2.3909	0.017895	0.884826
cg151237			MAN2B1;CACNA				
30	chr19	13215387	1A	0.383383	2.386726	0.018092	0.884826
cg193390							
21	chr7	2697963		-0.28311	-2.38937	0.017967	0.884826
cg172170			PTPRN2;LINC006				
17	chr7	1.59E+08	89	-0.26307	-2.38713	0.018073	0.884826
cg012272							
39	chr4	85412147		0.353755	2.388702	0.017999	0.884826
cg253207							
63	chr2	72109825		-0.2885	-2.3872	0.01807	0.884826
cg150665			ENSG000002346				
56	chr1	1.69E+08	04	0.249724	2.385717	0.01814	0.884826
cg112866							
69	chr5	1.58E+08		-0.30491	-2.39565	0.017672	0.884104
cg166753							
57	chr8	91173192		0.293315	2.387025	0.018078	0.884826
cg149859							
73	chr14	61190762		-0.39372	-2.38666	0.018096	0.884826
cg117038							
08	chr22	29687554		-0.23735	-2.38773	0.018045	0.884826
cg032863							
87	chr11	1891050		0.186357	2.38869	0.017999	0.884826
cg047990							
62	chr10	1042201		0.269078	2.390175	0.017929	0.884826

cg000832							
06	chr6	1.11E+08		0.563879	2.386581	0.018099	0.884826
ch.10.200							
6653F	chr10	96321017		0.349113	2.384071	0.018219	0.884826
cg240865							
36	chr19	56444551		0.304424	2.38355	0.018244	0.884826
cg049889							
78	chr17	56359578	BZRAP1;TEX14	-0.34337	-2.38636	0.01811	0.884826
cg017508							
95	chr17	17463041	MED9	-0.20298	-2.38735	0.018063	0.884826
cg143588							
79	chr14	70655920		-0.2044	-2.39022	0.017927	0.884826
cg047254							
33	chr1	1.18E+08		0.327833	2.384645	0.018192	0.884826
cg237001							
24	chr4	1.24E+08		-0.19828	-2.38516	0.018167	0.884826
cg019471							
30	chr15	60287196		0.373523	2.383551	0.018244	0.884826
cg060268							
17	chr11	68518826		0.171582	2.390871	0.017896	0.884826
cg010979							
50	chr1	843491		-0.25563	-2.38592	0.018131	0.884826
cg099569							
24	chr8	1.44E+08		-0.26617	-2.38274	0.018283	0.885308
cg063026							
90	chr15	65197923	ANKDD1A	0.690598	2.381141	0.01836	0.886322
cg059234			FAM162B;FAM2				
48	chr6	1.18E+08	6E;SLC35F1	0.46388	2.392018	0.017842	0.884826
cg014975							
01	chr7	1200135		0.160654	2.39128	0.017877	0.884826
cg000863							
34	chr16	88904832		-0.18864	-2.38498	0.018176	0.884826
cg084454							
09	chr5	57878919		-0.18388	-2.38531	0.01816	0.884826
cg079180			QKI;ENSG00000				
80	chr6	1.64E+08	225683	-0.35846	-2.39129	0.017876	0.884826
cg002903							
73	chr5	68462622		0.350095	2.389143	0.017978	0.884826
cg255478							
48	chr5	1.78E+08		0.412411	2.39364	0.017766	0.884232
cg121974							
70	chr3	1.6E+08		-0.26656	-2.38958	0.017957	0.884826
cg101856							
67	chr17	66507857		0.190346	2.390212	0.017927	0.884826
cg236506							
86	chr10	1.14E+08		0.28723	2.385619	0.018145	0.884826
cg174779							
95	chr1	8085641		-0.23724	-2.38868	0.018	0.884826

			SSBP4;LINC0066 3;ZNF506;HOME R3;PBX4;LSM4;C OMP;RAB3A;NR				
cg265420 91	chr19	18974273	2C2AP	0.436571	2.390043	0.017935	0.884826
cg080223 15	chr2	1.02E+08		-0.13056	-2.38809	0.018028	0.884826
cg131401 67	chr22	33454504		0.38114	2.383868	0.018229	0.884826
cg034646 92	chr4	1631517	PDE6B	-0.32135	-2.38754	0.018054	0.884826
cg075417 01	chr12	54389934	ITGB7;NCKAP1L	0.290826	2.38175	0.01833	0.886322
			ERBB2;KRT42P;K RT19;RAPGEFL1				
cg237377 68	chr17	38860097		-0.47216	-2.38484	0.018182	0.884826
cg026372 47	chr16	86524562		-0.50575	-2.38285	0.018278	0.885308
cg094428 28	chr8	37823979		0.302145	2.385117	0.018169	0.884826
cg112353 91	chr8	49343007		-0.37355	-2.38397	0.018224	0.884826
cg168298 09	chr2	2.19E+08		-0.39484	-2.38151	0.018342	0.886322
cg162585 03	chr3	63850278		-0.20727	-2.38405	0.01822	0.884826
cg201646 01	chr7	63642083		0.373312	2.383643	0.01824	0.884826
cg134922 91	chr12	1.33E+08		0.324957	2.38968	0.017952	0.884826
cg175032 52	chr4	1.3E+08		0.225813	2.386272	0.018114	0.884826
cg194787 43	chr17	4642647		0.28184	2.38422	0.018212	0.884826
cg055465 75	chr7	6483368		-0.34973	-2.39099	0.017891	0.884826
cg057077 81	chr3	1.88E+08		0.408963	2.38768	0.018047	0.884826
cg121757 53	chr19	40030677		-0.21331	-2.39251	0.017819	0.884826
cg238021 50	chr1	3559889		-0.27506	-2.38646	0.018105	0.884826
cg156383 66	chr2	1.73E+08		-0.43699	-2.3953	0.017689	0.884104
cg266378 98	chr5	6759027		0.286541	2.387812	0.018041	0.884826

cg245828							
51	chr2	42772845		-0.29575	-2.39192	0.017847	0.884826
cg033266							
89	chr15	52588171		0.323941	2.391299	0.017876	0.884826
cg051702							
05	chr2	1.49E+08	LYPD6B	-0.24358	-2.38779	0.018042	0.884826
			KALRN;PARP14; ADCY5;MYLK- AS2;PARP9;DTX3				
cg259769							
32	chr3	1.23E+08	L;MYLK-AS1	0.317651	2.384008	0.018222	0.884826
cg172085							
77	chr11	66139335		-0.19352	-2.3886	0.018003	0.884826
cg041428							
24	chr13	1.14E+08		0.341804	2.383153	0.018263	0.885245
cg165230							
78	chr1	85716218		0.276284	2.390918	0.017894	0.884826
cg230242							
28	chr1	2.37E+08		-0.32283	-2.38348	0.018247	0.884877
cg083405							
24	chr19	33891439		0.208352	2.381287	0.018353	0.886322
cg139738							
49	chr9	1.39E+08		-0.45431	-2.38372	0.018236	0.884826
cg110069							
62	chr11	59323675		0.324449	2.385373	0.018157	0.884826
cg070337							
36	chr16	87916302		-0.19404	-2.38622	0.018116	0.884826
cg163332							
69	chr2	8978225		0.305808	2.387398	0.01806	0.884826
cg045304							
60	chr6	42858550	USP49	-0.19014	-2.38892	0.017988	0.884826
cg058035							
96	chr1	2.03E+08		0.292497	2.381327	0.018351	0.886322
cg141813							
91	chr20	33265182		-0.24856	-2.38491	0.018179	0.884826
cg137337							
97	chr8	1.22E+08		-0.14164	-2.38253	0.018293	0.885585
ch.13.387							
99509F	chr13	39901509		0.527315	2.384276	0.018209	0.884826
			PRR14;TGFB111;				
cg091467							
81	chr16	31232337	ARMC5	-0.30536	-2.38632	0.018112	0.884826
cg130660							
16	chr1	63786083		0.287718	2.389569	0.017957	0.884826
cg202693							
52	chr1	44483206		-0.23662	-2.38527	0.018162	0.884826

cg199109							
22	chr7	1.39E+08		-0.17849	-2.38028	0.018401	0.886385
cg040642			POFUT2;C21orf5				
54	chr21	47409570	8	-0.48443	-2.38031	0.0184	0.886385
cg229348							
49	chr6	1.49E+08		0.324517	2.38698	0.01808	0.884826
cg140718							
53	chr13	1.13E+08		-0.25793	-2.3889	0.017989	0.884826
cg238864			ENSG0000002729				
24	chr7	98559116	50	-0.26202	-2.39405	0.017747	0.884215
ch.20.531							
991F	chr20	24944973		0.348972	2.388987	0.017985	0.884826
cg151209							
25	chr12	1.14E+08		0.20362	2.385095	0.01817	0.884826
cg074085							
52	chr17	40611995	EIF1	0.288062	2.384534	0.018197	0.884826
cg156633							
16	chr10	15129319		0.345811	2.385512	0.01815	0.884826
cg094990							
95	chr2	2.42E+08		-0.31483	-2.38258	0.01829	0.88557
cg040860							
19	chr6	1.39E+08		0.264905	2.386955	0.018081	0.884826
cg173634							
43	chr11	57283526		0.213885	2.384846	0.018182	0.884826
cg141250							
03	chr11	67978396		-0.29185	-2.38544	0.018153	0.884826
cg255256							
87	chr19	7982713		0.24666	2.386434	0.018106	0.884826
cg120677							
36	chr1	8412849		0.445677	2.384632	0.018192	0.884826
cg158115							
15	chr16	31580989	BCKDK	0.334753	2.382778	0.018281	0.885308
cg044741							
90	chr3	1.89E+08		-0.33715	-2.38741	0.01806	0.884826
cg052486							
52	chr17	81043057		0.258181	2.381897	0.018323	0.88626
cg050223							
41	chr5	1.76E+08		0.178091	2.38993	0.01794	0.884826
cg139557							
47	chr2	677585		-0.23089	-2.38445	0.018201	0.884826
cg110032							
78	chr22	39053181		-0.31807	-2.39309	0.017792	0.88455
cg047246							
46	chr12	20706631		0.387515	2.392021	0.017842	0.884826
cg073184							
53	chr4	74124502		-0.23118	-2.38094	0.018369	0.886322
cg220868							
34	chr7	94278830	COL1A2;GNG11	-0.36779	-2.38654	0.018101	0.884826
cg107104							
39	chr19	38183976		0.279184	2.389097	0.01798	0.884826

cg231058							
27	chr1	16539119		-0.25826	-2.38285	0.018278	0.885308
cg272077							
56	chr4	1607291		-0.3354	-2.38195	0.018321	0.88626
cg044254							
58	chr8	1.33E+08		-0.16487	-2.38589	0.018132	0.884826
cg222596							
30	chr19	18315027		-0.17927	-2.37916	0.018456	0.886429
cg046808							
33	chr16	1832754		-0.19295	-2.37725	0.018548	0.886429

			ICAM1;AP1M2;P DE4A;COL5A3;K				
cg229102							
95	chr19	10403862	ANK2	0.269779	2.387621	0.01805	0.884826
cg154438							
22	chr17	3867014		0.296678	2.383385	0.018252	0.884908
cg128321							
45	chr2	99442537		0.256939	2.3801	0.01841	0.886429
cg098048							
33	chr16	21964504		-0.17355	-2.37959	0.018435	0.886429
cg084929							
12	chr16	764759		-0.3403	-2.384	0.018223	0.884826
cg251141							
42	chr2	46896868		-0.28216	-2.38492	0.018179	0.884826
cg134034							
62	chr20	32256071		0.759513	2.376227	0.018598	0.886429
cg039878							
90	chr16	69420050		-0.32368	-2.3848	0.018184	0.884826
cg071875							
21	chr16	25422897		-0.36668	-2.38971	0.017951	0.884826
cg088973							
92	chr5	1.26E+08		-0.28945	-2.38434	0.018206	0.884826
cg159090							
49	chr12	94484482		-0.30324	-2.38528	0.018161	0.884826
cg147800							
04	chr12	1.17E+08		-0.24647	-2.38453	0.018197	0.884826
cg238110							
61	chr2	86423046	CAPG	0.237215	2.384824	0.018183	0.884826

			ENSG000002692				
cg174203							
60	chr12	49740840	82;COX14	-0.19998	-2.40434	0.017271	0.880549
cg227829							
86	chr11	79152821	NARS2	0.489246	2.38735	0.018063	0.884826
cg170411							
85	chr1	59240214		0.276644	2.387331	0.018064	0.884826
cg120396							
64	chr20	61148894		0.312487	2.380304	0.0184	0.886385
cg259938							
51	chr11	46722334		-0.21456	-2.38596	0.018129	0.884826



cg104773						
16	chr2	2.42E+08	0.276857	2.382039	0.018316	0.88623
cg162830						
77	chr11	1.29E+08 FLI1	-0.55937	-2.38015	0.018407	0.886429
cg211723						
22	chr12	25055108	0.354958	2.384675	0.01819	0.884826
cg271775						
54	chr10	16562102	0.318463	2.38455	0.018196	0.884826
cg136378						
86	chr10	69570297	-0.31224	-2.38794	0.018035	0.884826
cg115271						
53	chr1	837536	-0.25233	-2.38081	0.018376	0.886322
cg108482						
52	chr5	1.6E+08	0.298321	2.382805	0.01828	0.885308
cg175356						
47	chr12	20521463	0.256795	2.376427	0.018588	0.886429
cg080609						
02	chr19	12595941	-0.2114	-2.37974	0.018428	0.886429
cg192855						
52	chr11	72525216 RELT	-0.22317	-2.38703	0.018078	0.884826
cg068082						
27	chr14	1.06E+08	-0.3235	-2.38552	0.01815	0.884826
cg036215		RNFT2;MED13L;				
04	chr12	1.17E+08 HRK	0.429398	2.392078	0.017839	0.884826
cg055124						
20	chr19	13206644	0.367943	2.379691	0.01843	0.886429
cg022483						
20	chr14	1.04E+08	-0.17317	-2.3858	0.018137	0.884826
cg180507						
15	chr13	97996992	0.365139	2.382374	0.0183	0.885753
cg200574						
75	chr4	1208699 FGFRL1	-0.40386	-2.37931	0.018448	0.886429
cg242377						
42	chr6	30525447	0.256896	2.384672	0.01819	0.884826
cg259041						
83	chr4	1.66E+08	0.5553	2.382862	0.018277	0.885308
cg237147						
07	chr17	17418691	-0.21808	-2.38606	0.018124	0.884826
cg270035						
20	chr1	1.65E+08	0.303141	2.387182	0.018071	0.884826
cg049400						
89	chr13	1.14E+08	0.249957	2.378161	0.018504	0.886429
cg136405						
18	chr2	27886333	-0.21866	-2.3855	0.01815	0.884826
cg120263						
94	chr9	1.01E+08	-0.26367	-2.38418	0.018214	0.884826
cg241137						
82	chr10	79398055	0.182915	2.38292	0.018274	0.885308

cg263384						
73	chr11	17599798	-0.23677	-2.39537	0.017685	0.884104
cg011790						
52	chr16	86554295	-0.29281	-2.38367	0.018238	0.884826
cg036130						
77	chr1	2.42E+08	0.285788	2.378473	0.018489	0.886429
cg215789						
21	chr4	4393416	-0.27138	-2.3823	0.018304	0.885828
cg179282						
24	chr7	1.35E+08	0.171598	2.37744	0.018539	0.886429
cg017332						
71	chr16	58521840	-0.26477	-2.38133	0.018351	0.886322
cg244127						
14	chr11	4666412	-0.29294	-2.38028	0.018401	0.886385
cg133760						
46	chr12	13197196	0.220863	2.381037	0.018365	0.886322
cg089717						
69	chr10	75258327	-0.27786	-2.38833	0.018016	0.884826
cg092468						
97	chr3	34078486	-0.34991	-2.38368	0.018238	0.884826
cg136191						
77	chr17	14106800	0.262442	2.386941	0.018082	0.884826
cg022010						
71	chr19	18900568	-0.34299	-2.379	0.018463	0.886429
cg160619						
28	chr6	1.11E+08	0.253077	2.37764	0.018529	0.886429
cg043915						
40	chr19	48048129	0.329202	2.379489	0.01844	0.886429
cg194024						
83	chr22	36806001	-0.38548	-2.38701	0.018079	0.884826
cg017753						
79	chr2	1.59E+08 CYTIP;UPP2	0.439474	2.378176	0.018503	0.886429
cg183570						
98	chr3	14693200	-0.19038	-2.381	0.018367	0.886322
cg204454						
02	chr13	1.1E+08	0.369668	2.380533	0.018389	0.886385
cg081344						
17	chr11	33890660	0.247337	2.380858	0.018373	0.886322
cg240004						
37	chr1	1.53E+08	-0.32563	-2.38148	0.018343	0.886322
cg065656						
04	chr17	78964771	0.186435	2.377224	0.018549	0.886429
cg199405						
37	chr10	60272938	0.355328	2.383776	0.018233	0.884826
cg180355						
34	chr21	46958921 ADARB1	-0.33342	-2.38403	0.018221	0.884826
cg272418						
45	chr2	2.33E+08	0.310119	2.37727	0.018547	0.886429
cg125024						
60	chr4	1.84E+08	0.225363	2.390883	0.017895	0.884826

cg093655							
33	chr19	2429209	S1PR4	0.300755	2.383211	0.01826	0.885211
cg184099							
85	chr13	1.14E+08		-0.33274	-2.3848	0.018184	0.884826
cg090470							
34	chr2	38762714		-0.28596	-2.38761	0.01805	0.884826
cg158925							
21	chr6	1.45E+08		0.442195	2.384016	0.018222	0.884826
cg041944							
57	chr20	52493238		-0.27778	-2.37574	0.018622	0.886429
cg223311							
38	chr7	94286131		0.288312	2.387429	0.018059	0.884826
cg047234							
36	chr10	7985110		0.401828	2.381167	0.018358	0.886322
cg142182							
69	chr19	17628153		0.248528	2.383767	0.018234	0.884826
cg047174							
47	chr13	1.03E+08		0.156458	2.380994	0.018367	0.886322
cg040919							
26	chr17	41953620		-0.20042	-2.37643	0.018588	0.886429
cg265986							
03	chr17	55727876		-0.27987	-2.38107	0.018363	0.886322
cg194851							
03	chr6	475074		0.590507	2.378102	0.018507	0.886429
cg090575							
17	chr6	27570490		0.500559	2.37948	0.01844	0.886429

cg039908			VWA7;TNXB;PPP				
11	chr6	31371318	1R18;LY6G5C	-0.18875	-2.37825	0.018499	0.886429
cg160345							
21	chr1	939448		-0.26491	-2.37887	0.018469	0.886429
cg120694							
75	chr12	1.31E+08		-0.43868	-2.37527	0.018645	0.886429

cg267039			LGALS7B;SPINT2; PLEKHG2;PPP1R				
56	chr19	39260304	14A	-0.41533	-2.38083	0.018375	0.886322
cg052746							
74	chr20	23619525		-0.16617	-2.38412	0.018217	0.884826
cg067607							
10	chr17	46692008	SKAP1	0.345543	2.375865	0.018616	0.886429
cg234414							
41	chr12	81331486		0.396138	2.378313	0.018496	0.886429
cg034023							
51	chr16	11759492		-0.47586	-2.37385	0.018714	0.886429
cg044247							
21	chr11	46342365		-0.25037	-2.37682	0.018569	0.886429

cg260764							
28	chr3	1.27E+08		-0.23024	-2.38092	0.01837	0.886322
cg161366							
78	chr1	8021749		0.19071	2.376649	0.018577	0.886429
cg094931			ATP6V0E1;KLF3P				
50	chr5	1.72E+08	1	0.29982	2.384276	0.018209	0.884826
cg077145							
34	chr11	82612592		-0.23238	-2.37701	0.01856	0.886429
cg073182							
84	chr4	1.54E+08		-0.33268	-2.37912	0.018457	0.886429
cg173171							
80	chr11	17298048		0.174217	2.376923	0.018564	0.886429
cg107693							
43	chr14	24617188		-0.17957	-2.38204	0.018316	0.88623
cg244200							
41	chr11	20620002		-0.2399	-2.3811	0.018362	0.886322
cg096304							
37	chr19	2740301	SCAMP4	0.300158	2.376099	0.018604	0.886429
cg096304							
79	chr7	1105484		0.252333	2.376807	0.01857	0.886429
cg244136							
62	chr11	1.22E+08		0.347531	2.380096	0.01841	0.886429
cg203868							
75	chr1	2.29E+08		-0.19011	-2.37716	0.018553	0.886429
cg086343							
57	chr16	66956242		0.362811	2.379386	0.018445	0.886429
cg091695			DYRK3;PFKFB2;C				
16	chr1	2.07E+08	R1L;PIGR	0.373468	2.387299	0.018065	0.884826
cg029159							
39	chr6	30711022	ZNRD1-AS1	-0.22531	-2.37857	0.018484	0.886429
cg151949							
43	chr18	905127		0.397054	2.375215	0.018647	0.886429
cg255978							
43	chr8	43124515		-0.28823	-2.37664	0.018578	0.886429
ch.6.9000							
7516R	chr6	89950797		0.324339	2.383083	0.018266	0.885308
cg094638							
82	chr5	1.15E+08		0.224399	2.379883	0.01842	0.886429
cg089845							
00	chr16	89692422		0.276512	2.378575	0.018484	0.886429
cg011977							
63	chr1	858362	VWA1;MXRA8	-0.22255	-2.38515	0.018168	0.884826
cg113530							
35	chr17	6926414		0.192719	2.384274	0.018209	0.884826
cg214139							
47	chr1	1.65E+08		-0.24234	-2.37859	0.018483	0.886429
cg047443							
85	chr2	1.75E+08		-0.21886	-2.37722	0.018549	0.886429

cg062911							
07	chr20	36157675		-0.20967	-2.3824	0.018299	0.885753
cg233411							
63	chr5	1.34E+08		-0.15279	-2.38099	0.018367	0.886322
cg222597			AMICA1;CBL;ENS				
97	chr11	1.19E+08	G00000254561	-0.44428	-2.38162	0.018337	0.886322
cg049944							
05	chr1	65731836		0.275469	2.376912	0.018565	0.886429
cg021390							
88	chr3	1.97E+08		0.154905	2.382975	0.018272	0.885308
cg120759							
49	chr7	50749076		0.219363	2.379317	0.018448	0.886429
cg098906							
87	chr1	36641984	COL8A2;AGO3	0.92595	2.371421	0.018834	0.886429
cg227353							
24	chr8	48691148		-0.31807	-2.37762	0.01853	0.886429
cg188411							
59	chr6	70992041	FAM135A	0.307902	2.375705	0.018623	0.886429
			FAM83H- AS1;FAM83H;ZN F250;ENSG0000				
cg066667							
27	chr8	1.46E+08	0254973	-0.33006	-2.37485	0.018665	0.886429
cg242975							
09	chr10	44339107	ZNF487	-0.39486	-2.38729	0.018065	0.884826
cg178067							
98	chr1	46807113		0.466665	2.380253	0.018403	0.886385
cg225875							
09	chr13	50356916		-0.30828	-2.37426	0.018694	0.886429
cg254961							
81	chr12	1.18E+08		-0.18525	-2.38344	0.018249	0.884877
cg042876							
84	chr6	1.67E+08		-0.24302	-2.37919	0.018454	0.886429
ch.7.5362							
9068R	chr7	53661574		0.26036	2.373666	0.018723	0.886429
cg233188							
04	chr15	75494410		-0.1536	-2.38138	0.018348	0.886322
cg157614							
05	chr1	1.58E+08		-0.40345	-2.38079	0.018376	0.886322
cg081943							
13	chr10	1.18E+08		0.251028	2.377058	0.018557	0.886429
cg247968							
52	chr19	39827269		-0.2748	-2.38146	0.018344	0.886322
cg221626							
81	chr17	79887775		-0.21324	-2.37937	0.018445	0.886429
cg007130							
66	chr8	41510199		-0.23349	-2.37597	0.01861	0.886429

cg196678						
13	chr4	3795405	-0.26309	-2.39036	0.01792	0.884826
cg030245						
03	chr3	1.82E+08	-0.23587	-2.38447	0.0182	0.884826
cg263664						
59	chr1	46049026	0.26343	2.38789	0.018037	0.884826
cg055766						
48	chr4	1.41E+08	0.314481	2.374916	0.018662	0.886429
cg017881						
13	chr3	46759472	0.648213	2.383555	0.018244	0.884826
cg148488						
59	chr17	16255739	0.209707	2.373826	0.018715	0.886429
cg068028						
41	chr1	1.45E+08	-0.15943	-2.38817	0.018024	0.884826
cg047304						
56	chr3	1.23E+08	0.27928	2.387114	0.018074	0.884826
cg167133						
57	chr11	2693141	-0.22109	-2.37505	0.018656	0.886429
cg039417						
45	chr16	30442009 SEZ6L2	-0.34193	-2.37686	0.018567	0.886429
cg120021						
19	chr2	1.01E+08	-0.39439	-2.37325	0.018743	0.886429
cg205601						
85	chr2	48040004	0.342605	2.376673	0.018576	0.886429
cg110404						
39	chr17	79980929	0.190017	2.380532	0.018389	0.886385
cg070920						
97	chr10	88720025	-0.2326	-2.37834	0.018495	0.886429
cg220519						
25	chr13	1.11E+08	-0.20208	-2.37485	0.018665	0.886429
cg023565						
66	chr10	2453060	-0.51621	-2.3811	0.018362	0.886322
cg218712						
05	chr12	96932931	-0.26478	-2.37963	0.018433	0.886429
cg261787						
32	chr5	1.54E+08	0.230775	2.374652	0.018675	0.886429
cg162501						
77	chr7	1.3E+08	0.267777	2.375419	0.018637	0.886429
cg133402						
45	chr2	2.39E+08	0.17452	2.386241	0.018115	0.884826
cg083012						
11	chr6	14195031	0.342506	2.372511	0.01878	0.886429
cg088390						
20	chr6	38679582	0.29549	2.375233	0.018646	0.886429
cg181495						
61	chr19	13905866	-0.19063	-2.37375	0.018719	0.886429
cg139579						
28	chr10	1.31E+08	-0.33836	-2.37627	0.018596	0.886429
cg107214						
50	chr10	1.13E+08	0.250345	2.381594	0.018338	0.886322

cg149142							
46	chr11	45717570		0.266598	2.37429	0.018693	0.886429
cg182896			RPL32P1;RGL2;R				
82	chr6	33264318	PS18	0.278639	2.374517	0.018681	0.886429
cg070212							
75	chr8	1325845		-0.2833	-2.37558	0.018629	0.886429
cg198519							
09	chr11	94134827	KIAA1731	0.353254	2.371764	0.018817	0.886429
cg115776							
62	chr5	1.78E+08		0.328766	2.377091	0.018556	0.886429
cg072018							
35	chr12	32831369		-0.31487	-2.37359	0.018727	0.886429
cg009009							
77	chr20	19189797		-0.29582	-2.37594	0.018612	0.886429
cg257521							
63	chr12	1.11E+08		0.354574	2.377341	0.018544	0.886429
cg172674			CYB5D1;DNAH2; WRAP53;EFNB3; TMEM107;SLC2 A4;KIAA0753;TE				
93	chr17	7460485	KT1	-0.43518	-2.37686	0.018567	0.886429
cg200950							
36	chr4	1.53E+08		-0.26886	-2.37304	0.018754	0.886429
cg229957							
24	chr8	1.45E+08		0.399109	2.383654	0.018239	0.884826
cg254012							
10	chr7	944776		-0.57624	-2.3807	0.018381	0.886385
cg220827							
45	chr15	1.01E+08		0.311352	2.372105	0.0188	0.886429
cg054419							
41	chr16	873598	TMEM204;SOX8	-0.26906	-2.37409	0.018702	0.886429
cg040472							
21	chr13	1.13E+08		0.381462	2.374941	0.018661	0.886429
cg152586							
49	chr18	13262344		0.438512	2.375371	0.01864	0.886429
cg268151							
47	chr15	45879302		0.207144	2.379958	0.018417	0.886429
cg142220			ZNF135;ZNF418; ZSCAN1;ZIK1;ZS CAN18;ENSG000 00176593;PEG3;				
33	chr19	58075118	ZNF606	-0.36492	-2.37056	0.018876	0.886429

cg108996						
81	chr5	1.59E+08	EBF1	0.308368	2.380679	0.018382 0.886385
cg171419						
69	chr7	1.35E+08		-0.25439	-2.3819	0.018323 0.88626
cg018081						
30	chr6	8435206		0.351306	2.372534	0.018779 0.886429
cg063138						
80	chr1	1.15E+08		-0.25152	-2.37744	0.018539 0.886429
cg065684						
54	chr16	89940886		0.337232	2.37208	0.018801 0.886429
cg007366						
40	chr18	45273219		-0.26353	-2.37412	0.018701 0.886429
cg005142						
41	chr22	28193910		0.338626	2.376085	0.018605 0.886429
cg076315						
33	chr16	13135565		-0.36175	-2.369	0.018953 0.886429
cg114899						
18	chr11	62312720		-0.19625	-2.3761	0.018604 0.886429
cg007097			KALRN;FAM86JP			
28	chr3	1.25E+08	;ROPN1B	0.366637	2.376952	0.018563 0.886429
cg273096						
77	chr11	28129805		-0.22629	-2.37851	0.018487 0.886429
cg035665						
13	chr12	81332744		-0.37641	-2.37744	0.018539 0.886429
cg082413						
07	chr11	2212225	MUC5AC;CARS	-0.36937	-2.37298	0.018757 0.886429
cg232559						
64	chr5	1.39E+08		-0.32616	-2.37259	0.018776 0.886429
cg250795						
68	chr18	52989604		0.336686	2.379641	0.018432 0.886429
cg150512						
26	chr6	28555118	ZKSCAN4	0.207094	2.374681	0.018673 0.886429
cg116949						
87	chr7	1443857		0.353235	2.370551	0.018876 0.886429
cg223671						
44	chr15	48010299		-0.21171	-2.37259	0.018776 0.886429
cg259148						
29	chr2	71021475		0.202291	2.377812	0.018521 0.886429
cg119396						
31	chr5	1.79E+08		-0.43278	-2.37298	0.018757 0.886429
cg188806						
46	chr6	97375699		-0.36419	-2.37143	0.018833 0.886429
cg164216						
19	chr2	2.4E+08		-0.33283	-2.37354	0.018729 0.886429
ch.14.149						
9103R	chr14	93412334		-0.29686	-2.37902	0.018462 0.886429
cg163557						
85	chr5	1.61E+08		0.489124	2.370836	0.018862 0.886429



cg076960							
99	chr8	1.34E+08		-0.36551	-2.37012	0.018898	0.886429
cg270955							
27	chr3	12329080		-0.25864	-2.37204	0.018803	0.886429
cg005559							
33	chr6	1.07E+08		0.345327	2.379993	0.018415	0.886429
cg259486							
90	chr12	4554596		-0.41074	-2.37675	0.018572	0.886429
cg170178							
14	chr11	48509488		-0.48749	-2.36972	0.018917	0.886429
cg041381							
55	chr1	2.43E+08	FCF1P7	0.211915	2.371646	0.018822	0.886429
cg015550							
36	chr1	2.33E+08		0.162692	2.370859	0.018861	0.886429
cg067749							
74	chr14	1.06E+08	KIAA0125	0.218247	2.375078	0.018654	0.886429
cg096077							
12	chr3	64328459		-0.29387	-2.37811	0.018506	0.886429
cg066726							
52	chr1	2.04E+08	ADORA1	0.243291	2.370329	0.018887	0.886429
cg205921							
24	chr2	65290738		0.340158	2.371335	0.018838	0.886429
cg211973							
61	chr17	30454658		-0.21549	-2.37643	0.018588	0.886429

cg054872							
07	chr8	22224126		0.294411	2.37999	0.018415	0.886429
cg170498							
89	chr13	20735370		-0.22324	-2.37164	0.018823	0.886429
cg159378							
32	chr8	26368795		-0.28315	-2.3721	0.0188	0.886429
cg117516			ENSG000002608				
88	chr1	2.47E+08	55	0.293886	2.367448	0.01903	0.886429
cg016846							
29	chr4	1.22E+08		0.387734	2.377917	0.018516	0.886429
cg117807							
68	chr5	97655532		-0.39597	-2.37385	0.018714	0.886429
cg127166							
39	chr11	1.19E+08		-0.46531	-2.37115	0.018847	0.886429
cg045069							
28	chr13	31647876		-0.28688	-2.37346	0.018733	0.886429
cg153715							
26	chr22	25200857		-0.19764	-2.37104	0.018852	0.886429
cg109497							
06	chr5	87984861		0.290886	2.369138	0.018946	0.886429
cg155065							
91	chr3	27772058		0.23879	2.374969	0.018659	0.886429
cg118610							
55	chr10	1453917		-0.35134	-2.37963	0.018433	0.886429
cg036310							
65	chr13	96672440	ABCC4;MTCYBP3	-0.38061	-2.37045	0.018882	0.886429
cg119729							
53	chr2	30370168		0.142932	2.378839	0.018471	0.886429
cg166588							
48	chr2	3622727		-0.20213	-2.37183	0.018813	0.886429
cg212810							
07	chr12	5939611	TAPBPL;ZNF384	0.272976	2.374605	0.018677	0.886429
cg075833							
94	chr17	36003427		0.249005	2.377516	0.018535	0.886429
cg183813							
95	chr1	2.37E+08		-0.31177	-2.38025	0.018403	0.886385
cg231208							
05	chr2	43453872		0.142245	2.370662	0.018871	0.886429
cg010652							
78	chr1	9491741	CTNNBIP1	0.198372	2.37014	0.018897	0.886429
cg139199							
08	chr11	33394273		-0.27165	-2.37598	0.01861	0.886429
			CDHR3;EFCAB10				
cg083927			;ENSG00000272				
46	chr7	1.05E+08	604;RINT1	0.4976	2.373657	0.018724	0.886429
cg232568							
02	chr5	1.33E+08		-0.49349	-2.37113	0.018848	0.886429

cg276118							
27	chr17	41392569	0.182672	2.374845	0.018665	0.886429	
cg042305							
79	chr11	97837652	-0.41443	-2.37344	0.018734	0.886429	
cg102976							
17	chr14	91610405	0.385401	2.371253	0.018842	0.886429	
cg013943							
85	chr3	39307922	-0.19408	-2.37425	0.018695	0.886429	
cg017778							
61	chr4	56023843	0.677186	2.374204	0.018697	0.886429	
cg024004							
58	chr15	80624605	0.42313	2.37279	0.018766	0.886429	
cg049482							
86	chr19	3595832	0.473329	2.368948	0.018956	0.886429	
cg261784							
46	chr2	1.93E+08	0.206844	2.372464	0.018782	0.886429	
cg115197							
60	chr6	1.71E+08	-0.61026	-2.3714	0.018835	0.886429	
cg133135							
08	chr10	64219918	-0.29307	-2.36639	0.019083	0.886429	
cg267409							
42	chr17	37123711	0.402024	2.378844	0.018471	0.886429	
cg135622							
66	chr8	1340351 TDRP	-0.31734	-2.37736	0.018543	0.886429	
cg228465							
82	chr12	52848214 KRT80	-0.36205	-2.37532	0.018642	0.886429	
cg047703							
64	chr12	1.2E+08	-0.17526	-2.37483	0.018666	0.886429	
cg050625							
11	chr6	30028447	-0.24666	-2.37557	0.01863	0.886429	
cg048250							
76	chr7	1.57E+08	0.285969	2.377858	0.018519	0.886429	
cg137591							
72	chr7	1.01E+08	0.215817	2.373131	0.018749	0.886429	
cg019585							
50	chr1	2.17E+08	0.265473	2.3729	0.018761	0.886429	
cg029646							
02	chr2	2.03E+08	-0.2649	-2.36908	0.018949	0.886429	
cg096766							
22	chr12	1.25E+08	0.316826	2.371747	0.018817	0.886429	
cg263583							
50	chr3	1.14E+08	-0.29706	-2.36839	0.018984	0.886429	
cg226105							
33	chr12	64238379	-0.2078	-2.37305	0.018753	0.886429	
cg079374							
53	chr6	89296807	0.315689	2.380475	0.018392	0.886385	
cg010436							
16	chr12	50475035	0.275495	2.377891	0.018517	0.886429	
cg089636							
69	chr12	66563719 LLPH	0.187696	2.375339	0.018641	0.886429	

cg084235							
62	chr1	38466544 FHL3	-0.26361	-2.36751	0.019027	0.886429	
cg103284							
62	chr5	1.49E+08	-0.24835	-2.37021	0.018894	0.886429	
cg140203							
26	chr14	1.06E+08	-0.37742	-2.37363	0.018725	0.886429	
cg162645							
26	chr4	1.48E+08	-0.39367	-2.37879	0.018473	0.886429	
cg042030							
77	chr1	40943161	-0.21685	-2.37296	0.018758	0.886429	
cg275072							
84	chr2	1.78E+08	-0.31529	-2.37063	0.018873	0.886429	
cg240094							
39	chr19	42729731 CEACAM3	-0.25843	-2.37203	0.018803	0.886429	
cg204039							
38	chr12	54377457 ESPL1;ITGA5	0.314328	2.369885	0.018909	0.886429	
cg144517							
28	chr4	57092248	-0.31767	-2.37407	0.018703	0.886429	
cg164541							
05	chr11	79255487	-0.31568	-2.37557	0.01863	0.886429	
cg215377							
98	chr6	1.29E+08	0.391636	2.370086	0.018899	0.886429	
cg243711							
52	chr4	1.6E+08	-0.22373	-2.38028	0.018401	0.886385	
cg010572							
48	chr19	2887520	0.339238	2.367435	0.019031	0.886429	
cg109799							
94	chr5	1217281	-0.30555	-2.37059	0.018875	0.886429	
cg151250							
12	chr1	19730056	0.2593	2.372484	0.018781	0.886429	
cg173608							
32	chr7	1.58E+08	-0.30443	-2.37009	0.018899	0.886429	
cg206244							
29	chr11	1.22E+08	0.24909	2.370907	0.018859	0.886429	
cg211599							
93	chr5	1.4E+08	0.314291	2.375723	0.018623	0.886429	
cg123294							
04	chr21	47545624	0.266916	2.370035	0.018902	0.886429	
cg010487							
51	chr1	27718495	0.171553	2.367638	0.019021	0.886429	
cg144583							
28	chr5	41925210	-0.19925	-2.36695	0.019055	0.886429	
cg024296							
56	chr12	26275311	0.141614	2.377582	0.018532	0.886429	
cg129732							
94	chr4	1.2E+08	0.30753	2.372439	0.018783	0.886429	
cg136228							
21	chr6	31702915	-0.25896	-2.3691	0.018948	0.886429	
cg217930							
16	chr6	30028586	-0.3176	-2.36932	0.018937	0.886429	

cg131654							
72	chr2	69240195	PNO1	0.2683	2.370061	0.018901	0.886429
cg117266							
31	chr1	955757		0.154397	2.367819	0.019012	0.886429
cg230721			TMEM51;FBLIM				
61	chr1	16489115	1;HSPB7	-0.44625	-2.36644	0.019081	0.886429
cg188862							
45	chr6	50792868		0.428152	2.371162	0.018846	0.886429
cg079900							
22	chr10	16570110	PTER	0.26963	2.368944	0.018956	0.886429
cg034333							
94	chr3	42623829		-0.20026	-2.36683	0.019061	0.886429
cg261429							
72	chr2	2.2E+08		-0.29446	-2.37152	0.018829	0.886429
cg082628							
76	chr10	1.03E+08		-0.26283	-2.36748	0.019029	0.886429
cg079205							
25	chr2	27988858		0.48427	2.367484	0.019028	0.886429
cg231785							
50	chr7	27127576		0.370776	2.375968	0.018611	0.886429
cg020745							
58	chr5	1.8E+08		0.305932	2.368227	0.018992	0.886429
cg271560							
41	chr7	98199360		-0.37999	-2.36738	0.019034	0.886429
cg193553							
25	chr20	55839524		-0.20124	-2.3676	0.019023	0.886429
cg028724							
91	chr7	31374862		-0.36633	-2.36516	0.019144	0.886722
cg003073							
83	chr1	1.58E+08		-0.25361	-2.36443	0.019181	0.886722
cg219103							
90	chr4	52718946		0.360736	2.369603	0.018923	0.886429
cg261128							
43	chr1	2E+08		-0.2624	-2.36896	0.018955	0.886429
cg170256			ENSG000002316				
83	chr1	1.74E+08	15	-0.30939	-2.37399	0.018707	0.886429
cg213950							
77	chr9	1.19E+08		-0.28366	-2.37336	0.018738	0.886429
cg226545							
04	chr4	1.84E+08		0.281446	2.379112	0.018458	0.886429
cg118293							
71	chr17	981724		0.253649	2.36953	0.018927	0.886429
cg205023							
76	chr7	4153707		0.261419	2.374642	0.018675	0.886429
cg261429							
65	chr6	29521803	GABBR1	0.27647	2.369633	0.018922	0.886429
cg211501							
08	chr13	34750105	NBEA	-0.34127	-2.37054	0.018877	0.886429

cg130018							
68	chr17	43339223	KIF18B	0.437123	2.365561	0.019124	0.886722
cg075510							
54	chr8	1.41E+08		-0.25614	-2.37377	0.018718	0.886429
cg232081							
52	chr3	50383134		0.263921	2.372831	0.018764	0.886429
cg263967							
07	chr1	1.61E+08		-0.14343	-2.36408	0.019199	0.886722
cg039660							
10	chr7	1.57E+08		-0.25388	-2.37301	0.018755	0.886429
cg225809							
05	chr12	56843287		-0.23364	-2.36769	0.019018	0.886429
cg012727							
07	chr6	26172185		-0.2476	-2.3737	0.018722	0.886429
cg050925							
83	chr3	1.4E+08		-0.33566	-2.3696	0.018923	0.886429
cg044367							
72	chr2	25468781		-0.26956	-2.36643	0.019081	0.886429
cg053257							
85	chr14	1.04E+08		-0.2612	-2.37384	0.018715	0.886429
cg107971							
29	chr11	1.01E+08		0.263631	2.370187	0.018894	0.886429
cg016907							
23	chr20	25225861		0.256053	2.374365	0.018689	0.886429
cg049285							
13	chr20	60717545		-0.33811	-2.3705	0.018879	0.886429
cg089664							
13	chr16	23154937		-0.24686	-2.36688	0.019059	0.886429
cg226873							
80	chr22	33196627		-0.28526	-2.37128	0.01884	0.886429
cg246287							
44	chr5	1.35E+08		0.377853	2.3677	0.019018	0.886429
cg136739							
60	chr4	1742301		-0.25248	-2.37099	0.018855	0.886429
cg251260							
21	chr6	1.39E+08		0.441567	2.368074	0.018999	0.886429
cg130173							
45	chr10	1.12E+08		0.247555	2.371954	0.018807	0.886429
cg105849							
14	chr13	1.14E+08		-0.22564	-2.36643	0.019081	0.886429
cg030058							
51	chr1	11113287		0.25555	2.370848	0.018862	0.886429
cg175882							
93	chr1	1.55E+08		-0.2384	-2.36457	0.019174	0.886722
cg133918							
10	chr17	78451573		0.215499	2.371401	0.018835	0.886429
cg057754							
92	chr16	86258717		-0.34624	-2.3652	0.019142	0.886722

cg190510			LINC00710;ENSG				
45	chr10	10933670	00000229206	0.373503	2.370578	0.018875	0.886429
cg083541							
65	chr2	2940403		0.190727	2.374012	0.018706	0.886429
cg206081							
92	chr2	1.13E+08		-0.30467	-2.36396	0.019205	0.886722
cg265707							
76	chr15	1.02E+08		-0.30919	-2.36915	0.018946	0.886429
cg086971							
80	chr16	30409538	KIF22	-0.29367	-2.37094	0.018857	0.886429
cg139368							
47	chr9	1.4E+08		-0.30331	-2.37713	0.018554	0.886429
cg150525							
18	chr7	69283201		0.311748	2.363392	0.019233	0.886902
cg053475							
67	chr12	56512408	RPL41	0.270662	2.371054	0.018852	0.886429
cg173095							
30	chr6	31696102		0.341322	2.366957	0.019055	0.886429
cg163147							
33	chr10	98909007		0.273937	2.36886	0.01896	0.886429
cg014931							
50	chr4	1.29E+08		-0.26693	-2.36906	0.01895	0.886429
cg096232							
79	chr10	45395734		-0.33097	-2.36813	0.018996	0.886429
cg242410							
57	chr20	4982241		-0.22993	-2.36863	0.018972	0.886429
cg147938							
44	chr2	1.01E+08	CHST10;LONRF2	-0.3633	-2.3713	0.01884	0.886429
cg225064							
13	chr7	54902079		-0.38798	-2.36855	0.018975	0.886429
cg228505							
87	chr4	4867638		0.316462	2.364991	0.019153	0.886722
cg055201							
41	chr18	43845381		0.349211	2.365777	0.019114	0.886722
cg040285							
70	chr1	2.48E+08		1.039403	2.361778	0.019314	0.887439
cg269352							
19	chr7	1.49E+08		-0.2251	-2.36852	0.018977	0.886429
cg011927							
48	chr3	1.83E+08		0.248595	2.363511	0.019227	0.886722
cg051527			ODF3B;RABL2B;				
64	chr22	50883366	DENND6B	0.679874	2.366812	0.019062	0.886429
cg066735							
53	chr5	1.34E+08		-0.33331	-2.36722	0.019041	0.886429
cg146410							
18	chr21	42676114		0.429461	2.367036	0.019051	0.886429

cg258570							
18	chr15	91260385		0.220657	2.369037	0.018951	0.886429
cg142131							
60	chr19	18496259		-0.24365	-2.36873	0.018966	0.886429
cg032819							
81	chr12	1.15E+08		0.339825	2.374482	0.018683	0.886429
cg264449							
95	chr2	1.99E+08		-0.18562	-2.37057	0.018875	0.886429
cg228488							
96	chr4	1.86E+08		0.28483	2.365616	0.019122	0.886722
cg155387							
53	chr10	70317995		-0.25188	-2.36829	0.018989	0.886429
cg022858							
12	chr2	1.51E+08		-0.37087	-2.36613	0.019096	0.886533
cg033304							
90	chr10	94452236		0.368073	2.366796	0.019063	0.886429
cg151085							
90	chr21	44494906		0.333928	2.366025	0.019101	0.88666
cg019104							
94	chr16	89139320		-0.32297	-2.36632	0.019086	0.886439
cg024799							
04	chr11	47429944		0.170318	2.36239	0.019283	0.887439
cg027415							
21	chr3	9745610		0.440611	2.364053	0.0192	0.886722
cg062542							
53	chr7	64450722		-0.29944	-2.36643	0.019081	0.886429
cg123551							
08	chr15	72110339		0.281177	2.369803	0.018913	0.886429
cg217828							
13	chr7	2030301	PSMG3;GNA12	-0.28675	-2.36795	0.019005	0.886429
cg028334							
38	chr16	1997284		-0.37151	-2.36795	0.019005	0.886429
cg017693							
92	chr6	1.69E+08		-0.31856	-2.3712	0.018845	0.886429
cg256015							
47	chr2	64855072	WDPCP	-0.255	-2.36471	0.019167	0.886722
cg027662							
07	chr3	1.39E+08		-0.26439	-2.36483	0.019161	0.886722
cg254941							
51	chr2	7006339		-0.44903	-2.37164	0.018823	0.886429
cg092299							
18	chr16	2041916	ZG16B	0.357213	2.370408	0.018884	0.886429
cg124448							
61	chr6	1.44E+08		0.242281	2.369164	0.018945	0.886429
cg116571							
22	chr5	1.5E+08		0.275635	2.363642	0.01922	0.886722
cg235030							
75	chr10	3564803		-0.27714	-2.36436	0.019185	0.886722
cg189632							
39	chr17	3861144		0.249232	2.372012	0.018804	0.886429



cg228322							
54	chr2	1.22E+08	0.285433	2.366286	0.019088	0.886439	
cg076857							
65	chr19	48964041	0.263222	2.368047	0.019	0.886429	
cg270519							
37	chr6	33419580	-0.25915	-2.36277	0.019264	0.887271	
cg245312							
67	chr20	34043122	-0.17223	-2.36802	0.019002	0.886429	
cg128030							
91	chr20	32403388	0.224131	2.366992	0.019053	0.886429	
cg073765							
35	chr18	905450	0.339916	2.362647	0.01927	0.887385	
cg110239							
01	chr7	1.41E+08	0.342618	2.364894	0.019158	0.886722	
cg247255							
76	chr14	29234671	0.334269	2.372678	0.018772	0.886429	
cg191107							
58	chr6	34524597 BAK1	-0.21839	-2.36512	0.019146	0.886722	
cg000212							
56	chr2	2.2E+08	0.370895	2.364868	0.019159	0.886722	
cg243387							
52	chr11	2182672	0.255919	2.366176	0.019094	0.886533	
cg139486							
52	chr13	1.1E+08	0.216982	2.369445	0.018931	0.886429	
cg234341							
26	chr17	79013711 BAIAP2;SIRT7	-0.35211	-2.37247	0.018782	0.886429	
cg122267							
17	chr11	94135006	0.331853	2.362053	0.0193	0.887439	
cg154279							
06	chr7	20825216 DNAH11	0.426386	2.371629	0.018823	0.886429	
cg126553							
75	chr6	35286360 DEF6	0.380738	2.365154	0.019145	0.886722	
cg079894							
37	chr6	30612130	0.219514	2.371466	0.018831	0.886429	
cg075452							
78	chr16	67219152	0.447605	2.364689	0.019168	0.886722	
cg220318							
48	chr15	68594526 CALML4;IQCH;IT GA11	0.252345	2.363515	0.019227	0.886722	
cg215449							
75	chr12	1.32E+08	-0.19632	-2.36384	0.019211	0.886722	
cg188501							
27	chr7	39170497	-0.8486	-2.36405	0.0192	0.886722	
cg040217							
06	chr5	389763	-0.31523	-2.36981	0.018913	0.886429	
cg047992							
18	chr12	7125780	-0.10854	-2.37003	0.018902	0.886429	
cg225336							
81	chr15	63897233	-0.22206	-2.36416	0.019195	0.886722	

cg036714							
31	chr18	61604367		0.385798	2.363703	0.019217	0.886722
cg245943							
83	chr20	62564955		-0.22193	-2.3665	0.019078	0.886429
cg011796							
31	chr16	620007		0.140178	2.364384	0.019183	0.886722
cg096148							
14	chr16	311149		0.30616	2.362049	0.019301	0.887439
cg163589							
20	chr11	65553119		-0.19237	-2.37127	0.018841	0.886429
cg138085							
74	chr9	1.39E+08		0.252193	2.366576	0.019074	0.886429
cg058286							
24	chr2	79347699		-0.32307	-2.36094	0.019356	0.887439
cg133067							
84	chr9	1.39E+08		-0.41878	-2.36976	0.018916	0.886429
cg059275							
79	chr20	43378669		0.576302	2.363107	0.019247	0.887105
cg073183							
13	chr9	1.31E+08 CERCAM		0.310216	2.376023	0.018608	0.886429
cg015990							
41	chr6	1.22E+08		0.203932	2.364113	0.019197	0.886722
cg055907							
35	chr1	1.02E+08		0.390789	2.371318	0.018839	0.886429
cg143779							
73	chr7	1150305		-0.28004	-2.36484	0.019161	0.886722
cg194463							
50	chr13	44004267		-0.29758	-2.36723	0.019041	0.886429
cg201700							
28	chr11	70917283		0.461434	2.367128	0.019046	0.886429
cg150318							
26	chr1	2.08E+08		0.134472	2.366931	0.019056	0.886429
cg211168							
46	chr5	17354504		-0.40195	-2.3665	0.019078	0.886429
cg145657							
52	chr19	47955003		-0.30247	-2.36984	0.018912	0.886429

			MIR34C;DLAT;CR				
			YAB;COLCA2;BC				
cg116945							
19	chr11	1.12E+08 O2;PIH1D2		0.384027	2.365563	0.019124	0.886722
cg136033							
32	chr9	1.08E+08 FSD1L		0.300508	2.36963	0.018922	0.886429
cg091885							
95	chr1	88439598		-0.34669	-2.37023	0.018892	0.886429
cg244333							
02	chr6	32142147		-0.25405	-2.36657	0.019074	0.886429
cg216881							
52	chr17	80926101 SECTM1		0.267457	2.361582	0.019324	0.887439

cg212375							
86	chr9	88134210		-0.28328	-2.36869	0.018969	0.886429
cg140860							
45	chr1	1.58E+08		-0.20459	-2.36063	0.019372	0.887439
cg212477							
22	chr12	1.14E+08		0.629253	2.360657	0.019371	0.887439
cg239217							
77	chr4	1366597		0.66215	2.361597	0.019323	0.887439
cg060113							
23	chr6	31645468		-0.24571	-2.36814	0.018996	0.886429
cg015335							
39	chr16	89767958 TRAPPC2L		-0.20887	-2.36258	0.019274	0.887438
cg053151							
58	chr19	1376674		0.301523	2.363189	0.019243	0.887105
cg107785							
56	chr1	24113913		0.300083	2.367988	0.019003	0.886429
cg054947							
90	chr7	1.21E+08		0.311998	2.362891	0.019258	0.887105
cg158063							
65	chr10	1386520		-0.24914	-2.36473	0.019166	0.886722
cg048075							
61	chr7	813957		0.301514	2.361002	0.019353	0.887439
cg239248							
01	chr1	2.48E+08		-0.34876	-2.36583	0.019111	0.886722
cg160271							
32	chr7	1.06E+08 PIK3CG		-0.65439	-2.36106	0.019351	0.887439
cg242939							
48	chr18	61670413		0.31726	2.368057	0.019	0.886429
cg052159							
25	chr6	1.54E+08		0.36804	2.367207	0.019042	0.886429
cg176147							
03	chr5	1.79E+08		-0.23102	-2.36528	0.019138	0.886722
cg241874							
15	chr3	1.42E+08		-0.28476	-2.36382	0.019211	0.886722
cg196517							
57	chr12	10096118		0.597533	2.368798	0.018963	0.886429
cg046044							
20	chr7	1E+08		0.280203	2.36376	0.019215	0.886722
cg240865							
65	chr1	1.56E+08		-0.33	-2.36433	0.019186	0.886722
cg049280							
49	chr1	19665240 KLHDC7A		0.66443	2.360497	0.019379	0.887439
cg054170							
99	chr6	1.69E+08		-0.2911	-2.36879	0.018964	0.886429

			DGKG;LPP;ST6G				
cg192545			AL1;ENSG00000				
14	chr3	1.87E+08 213132		-0.36987	-2.3703	0.018889	0.886429

			RSG1;CROCC;EN SG00000233421				
cg039444							
44	chr1	16785803	;MFAP2	0.294466	2.36816	0.018995	0.886429
cg257826							
82	chr7	1.57E+08		-0.29743	-2.36231	0.019287	0.887439
cg092176							
44	chr2	71942013		-0.26596	-2.36148	0.019329	0.887439
cg217573							
68	chr6	1.22E+08		0.365269	2.364142	0.019195	0.886722
cg270232							
35	chr10	94429569		-0.21567	-2.36193	0.019307	0.887439
cg113441							
64	chr10	1.02E+08	SFXN3;ABCC2	-0.30623	-2.35976	0.019416	0.887601
cg063927							
33	chr16	85215643		-0.23145	-2.3617	0.019318	0.887439

			WDR93;ENSG00 000259561;TICR R;MFGE8;HAPLN 3;CIB1;POLG;CR				
cg130422							
88	chr15	90349979	TC3;KIF7	0.281749	2.372733	0.018769	0.886429
cg267687							
12	chr16	23313559		0.19239	2.367457	0.01903	0.886429
cg032649							
60	chr2	1.87E+08		-0.19696	-2.36291	0.019257	0.887105
cg184685							
19	chr6	33944367	RPS18	-0.20407	-2.36149	0.019329	0.887439
cg100643							
39	chr11	73693792		0.208165	2.366483	0.019078	0.886429
cg236095							
71	chr14	70655845		-0.18123	-2.36204	0.019301	0.887439
cg010263							
00	chr16	89020584		-0.31534	-2.35849	0.01948	0.887696
cg079696							
84	chr2	1.95E+08		-0.42525	-2.36466	0.01917	0.886722
cg083416							
67	chr10	48354387		-0.33335	-2.36355	0.019225	0.886722
cg132284							
21	chr11	1074885	MUC2	0.702208	2.364568	0.019174	0.886722
cg029384							
14	chr4	1.74E+08		0.281118	2.361098	0.019348	0.887439
cg018113							
15	chr17	4890515		-0.19678	-2.36039	0.019384	0.887439
cg141297							
75	chr4	1.08E+08		0.366877	2.36595	0.019105	0.886722

cg275147							
77	chr16	14377664		-0.19416	-2.36214	0.019296	0.887439
cg038594							
95	chr16	31394096		0.215295	2.373344	0.018739	0.886429
cg090824							
41	chr12	11805154		0.286822	2.363829	0.019211	0.886722
cg238747							
75	chr7	1.57E+08		-0.26257	-2.36402	0.019202	0.886722
cg163064							
44	chr17	80846199	FN3K;TBCD	0.270015	2.375128	0.018652	0.886429
cg172121							
53	chr5	88432540		-0.4341	-2.36729	0.019038	0.886429
cg064480							
90	chr8	13424135		0.278849	2.360257	0.019391	0.887439
cg225500							
75	chr15	59665231	RPS3AP6	-0.20607	-2.36513	0.019146	0.886722
			PPFIBP1;PTHLH; KLHL42;ENSG00 000248100;ENS G00000247934;I TPR2;ENSG0000				
cg225471							
58	chr12	27399841	0256056	0.354081	2.373948	0.018709	0.886429
cg070133							
25	chr17	2310856		-0.32062	-2.3598	0.019414	0.887601
cg125850							
05	chr6	43655766		-0.2573	-2.36389	0.019208	0.886722
cg129835							
78	chr17	79921776	ARHGDI4	-0.3391	-2.36086	0.019361	0.887439
cg107268							
68	chr11	12743980		-0.21251	-2.36881	0.018963	0.886429
cg269760							
42	chr17	9545658		0.219459	2.365375	0.019134	0.886722
cg257593							
66	chr6	30526264		-0.26681	-2.36851	0.018978	0.886429
cg199913							
83	chr3	55034387		-0.25949	-2.36984	0.018912	0.886429
cg139711							
24	chr11	1.34E+08		-0.21811	-2.36066	0.019371	0.887439
cg068706							
09	chr15	89787223		0.197753	2.358356	0.019487	0.887696
cg106697							
44	chr17	79660244		-0.26508	-2.35984	0.019412	0.887601
cg169183							
27	chr17	78694651	BAIAP2	-0.35751	-2.36299	0.019253	0.887105
cg257577							
14	chr6	1.1E+08		0.256085	2.360253	0.019391	0.887439

cg179821							
16	chr5	72747699		0.212779	2.359401	0.019434	0.887696
cg156965							
30	chr3	58487364		0.357198	2.367925	0.019007	0.886429
cg133913							
13	chr17	80330415	SECTM1	0.215888	2.359761	0.019416	0.887601
cg041412							
61	chr12	1.25E+08		0.169545	2.360965	0.019355	0.887439
cg154741							
40	chr11	560688		-0.17996	-2.36071	0.019368	0.887439
cg119815							
99	chr8	11566526		0.281584	2.358274	0.019492	0.887696
cg079109							
86	chr7	45961311		0.362157	2.364212	0.019192	0.886722
cg087705							
90	chr10	1.12E+08		-0.35549	-2.36419	0.019193	0.886722
cg002946							
84	chr11	5602123		-0.36844	-2.3646	0.019172	0.886722
cg181907			CCR2;CCR5;CCRL				
98	chr3	47029335	2	-0.4149	-2.35715	0.019548	0.888152
cg231584							
19	chr3	1.56E+08		0.339652	2.358077	0.019502	0.887696
cg239454							
81	chr6	31938984		0.239932	2.362056	0.0193	0.887439
cg058634							
99	chr17	56073079		-0.33224	-2.35811	0.0195	0.887696
cg012055							
84	chr1	2.26E+08		0.311988	2.358159	0.019497	0.887696
cg136541			CTNNAL1;TMEM				
03	chr9	1.11E+08	245	-0.35018	-2.35799	0.019506	0.887707
cg269414							
33	chr17	80011568		-0.22673	-2.35989	0.01941	0.887601
cg246328							
43	chr1	1.8E+08		0.21937	2.358448	0.019483	0.887696
cg235396							
88	chr19	9545862		0.286652	2.359566	0.019426	0.887606
cg127671							
96	chr1	1.76E+08		-0.37664	-2.36024	0.019392	0.887439
cg070808							
64	chr8	57359956		-0.36539	-2.36367	0.019219	0.886722
cg122693							
94	chr1	2.05E+08		0.261516	2.358184	0.019496	0.887696
cg098545							
15	chr4	1.12E+08		0.274527	2.360261	0.019391	0.887439
cg180430							
78	chr13	1.15E+08		-0.20397	-2.3592	0.019445	0.887696
cg221998							
21	chr12	1.31E+08		-0.3294	-2.35779	0.019516	0.887984

cg058454			CLDN10;SOX21;S				
03	chr13	96293882	OX21-AS1	0.305753	2.366749	0.019065	0.886429
cg081884							
86	chr16	88356046		-0.27284	-2.36274	0.019266	0.887271
cg079057							
48	chr3	1E+08		-0.26246	-2.36032	0.019388	0.887439
cg058902							
85	chr3	9439271		-0.15304	-2.36111	0.019348	0.887439
cg094569							
71	chr19	11146717		0.232181	2.366121	0.019096	0.886533
cg126472							
83	chr10	1.27E+08	DHX32	-0.24064	-2.36414	0.019196	0.886722
cg000738							
37	chr2	2.23E+08		0.279066	2.36527	0.019139	0.886722
cg144639							
12	chr10	1.03E+08		0.231943	2.358143	0.019498	0.887696
cg199788							
59	chr17	80635520		0.269685	2.360978	0.019355	0.887439
cg216393							
87	chr8	1.44E+08		-0.18377	-2.3568	0.019567	0.888152
cg143304							
79	chr8	1808270		-0.37098	-2.36024	0.019392	0.887439
cg011434							
23	chr1	2.12E+08		0.280114	2.35693	0.01956	0.888152
cg199872			NFAM1;BIK;CSD				
56	chr22	42916332	C2;TTLL12	-0.28475	-2.35903	0.019453	0.887696
cg118919							
25	chr10	13091949		-0.30306	-2.35825	0.019492	0.887696
cg043520							
06	chr20	36318184		-0.33735	-2.36045	0.019381	0.887439
cg170115							
90	chr19	15529901	SNRPGP15	-0.23151	-2.36515	0.019145	0.886722
cg064996							
47	chr2	1.07E+08		0.288996	2.363517	0.019227	0.886722
cg064113							
22	chr16	71838776		-0.26496	-2.35826	0.019492	0.887696
cg187853							
00	chr6	31240047		-0.23114	-2.35707	0.019553	0.888152
cg142538							
99	chr14	55878235		0.182944	2.369293	0.018939	0.886429
cg018026							
35	chr6	8064800		-0.33639	-2.36232	0.019287	0.887439
cg104422							
51	chr1	18700625	IFFO2	0.299115	2.359141	0.019447	0.887696
cg224970							
08	chr2	98350685		-0.22166	-2.35983	0.019413	0.887601

cg178637							
47	chr2	2.39E+08		-0.2889	-2.35599	0.019608	0.888152
cg247719							
08	chr10	1.32E+08		0.333758	2.355884	0.019613	0.888152
cg152426			ENSG000000931				
30	chr22	18488478	00	0.256558	2.358436	0.019483	0.887696
cg236706							
31	chr19	815164		-0.34953	-2.35581	0.019617	0.888152
cg140256							
32	chr9	1.32E+08		-0.30016	-2.37002	0.018903	0.886429
cg098620							
72	chr1	1.62E+08		-0.24776	-2.36357	0.019224	0.886722
cg033659							
37	chr11	45688659		-0.38595	-2.35665	0.019574	0.888152
cg237273							
21	chr3	57199453		0.165934	2.359459	0.019431	0.887696
cg023356							
31	chr5	5062171		0.371602	2.356395	0.019587	0.888152
cg151276							
61	chr2	2.16E+08		0.24146	2.360842	0.019361	0.887439
cg140527							
28	chr2	95941719	PROM2	-0.87746	-2.35671	0.019571	0.888152
cg071022							
10	chr14	21101750		0.31544	2.361743	0.019316	0.887439
cg144553							
19	chr11	1.13E+08		0.365285	2.358229	0.019494	0.887696
cg098907							
75	chr10	1.32E+08	GLRX3	0.244492	2.357346	0.019539	0.888152
cg088768							
99	chr1	35545196		-0.24472	-2.3589	0.01946	0.887696
cg274511							
18	chr7	1.33E+08		0.308695	2.363155	0.019245	0.887105
cg017134			ENSG000002337				
61	chr2	64399578	16	-0.2998	-2.35958	0.019425	0.887606
cg185760							
57	chr15	98982463		-0.27073	-2.35519	0.019649	0.888152
cg110679							
64	chr1	36584112		-0.18329	-2.35928	0.019441	0.887696
cg203113							
90	chr9	1.39E+08		0.348414	2.355412	0.019637	0.888152
cg014219							
63	chr19	11877743		-0.18502	-2.36419	0.019193	0.886722
cg268798							
13	chr5	1.81E+08		0.299841	2.359598	0.019424	0.887606
cg251309							
93	chr11	17566017		0.276447	2.35685	0.019564	0.888152
cg059463							
09	chr16	85926085		-0.26299	-2.36032	0.019388	0.887439
cg081911							
59	chr7	4834359		-0.31523	-2.35899	0.019455	0.887696



cg267617			MAK;TMEM14B;				
44	chr6	11779039	ADTRP;EDN1	0.356001	2.366374	0.019084	0.886429
cg171071							
56	chr17	7350244		0.290721	2.359598	0.019424	0.887606

			ACP5;ZNF44;DO				
			CK6;EPOR;RGL3;				
			KANK2;AP1M2;C				
cg265706			NN1				
83	chr19	11689860		0.318974	2.356022	0.019606	0.888152
cg187135							
28	chr7	75912071		-0.23433	-2.35955	0.019427	0.887606
cg208245							
69	chr15	86337811		-0.18791	-2.36699	0.019053	0.886429
cg065523							
68	chr11	1.19E+08		0.262124	2.35446	0.019686	0.888298
cg168272							
89	chr12	49076162		0.19883	2.356312	0.019591	0.888152
cg251067							
91	chr7	2962373	CARD11	0.284326	2.369727	0.018917	0.886429
cg079459							
06	chr14	1.02E+08		0.271948	2.360695	0.019369	0.887439
cg182231							
53	chr7	540667		0.355477	2.357453	0.019533	0.888152
cg247213							
09	chr13	1.13E+08		0.319252	2.359916	0.019408	0.887601
cg032664							
53	chr2	1.2E+08		0.257411	2.367699	0.019018	0.886429
cg088459							
73	chr16	89592071		0.365523	2.35574	0.019621	0.888152
cg260319							
82	chr1	1.72E+08		0.278526	2.362969	0.019254	0.887105
cg246773							
21	chr3	25116377		-0.28541	-2.3565	0.019582	0.888152
cg173324							
84	chr14	24811893		-0.3221	-2.36173	0.019317	0.887439
cg208552							
96	chr17	16255560	TRPV2	0.41101	2.35695	0.019559	0.888152

			ENSG000002261				
			45;TOM1L2;LRR				
cg117339			C48				
58	chr17	17023057		-0.38189	-2.36432	0.019186	0.886722
cg064428							
36	chr22	28314637		0.200511	2.356344	0.01959	0.888152
cg081653							
39	chr7	67741356		-0.61467	-2.35609	0.019603	0.888152

cg094555							
13	chr10	3792283		0.325571	2.358999	0.019455	0.887696
cg085290							
49	chr4	48988038		0.369637	2.364483	0.019178	0.886722
cg146614							
64	chr2	99953763		0.178207	2.355246	0.019646	0.888152
cg078199							
87	chr15	55700894		-0.26788	-2.35721	0.019546	0.888152
cg155476							
69	chr20	2781122		0.195163	2.358538	0.019478	0.887696
cg020674							
30	chr17	79679069		0.149997	2.361283	0.019339	0.887439
cg209021							
46	chr12	1.02E+08		0.230003	2.355121	0.019652	0.888152
cg136947							
25	chr21	15756062		0.224081	2.355042	0.019656	0.888152
cg000410							
84	chr5	64398983		-0.23121	-2.36144	0.019331	0.887439
cg145857							
00	chr9	37027605	MELK	0.32793	2.358599	0.019475	0.887696
cg192931							
44	chr10	1.35E+08		0.422141	2.353872	0.019716	0.888578
cg125112							
77	chr11	1.35E+08		-0.26266	-2.35812	0.019499	0.887696
cg217436							
49	chr11	3820252		-0.23411	-2.35622	0.019596	0.888152
cg133399			UHRF1;CATSPER				
30	chr19	4763433	D	-0.2193	-2.36183	0.019311	0.887439
cg262555							
60	chr14	1.01E+08		-0.21465	-2.35632	0.019591	0.888152
cg120408							
34	chr19	4218062		-0.24847	-2.35976	0.019416	0.887601
cg033548							
10	chr12	33528782		-0.32717	-2.35684	0.019565	0.888152
			GALNT6;SLC4A8; RARG;BIN2;OR7 E47P;KRT4;IGFB P6;KRT5;TENC1				
cg200721							
18	chr12	52653637		0.40489	2.354778	0.01967	0.888298
cg076037							
94	chr2	1.22E+08		-0.21968	-2.36141	0.019333	0.887439
cg085591							
20	chr20	1306058		-0.13955	-2.36093	0.019357	0.887439
cg157779							
10	chr17	3488907		-0.28515	-2.35885	0.019462	0.887696
cg270790							
50	chr16	75548557		-0.26811	-2.35542	0.019637	0.888152

cg141291							
03	chr16	12609068		-0.18017	-2.36526	0.019139	0.886722
cg028856							
94	chr7	1.01E+08		-0.19366	-2.35764	0.019524	0.888049
cg261882							
26	chr6	1.36E+08		-0.2392	-2.35456	0.019681	0.888298
cg199157							
38	chr19	44952730		0.609098	2.354593	0.019679	0.888298
cg240006							
57	chr10	76998433 C10orf11		-0.19554	-2.36057	0.019375	0.887439
cg109029							
87	chr2	8500179		-0.33177	-2.36135	0.019336	0.887439
cg008525							
34	chr6	43212858 SLC29A1		-0.26072	-2.35696	0.019558	0.888152
cg053153							
21	chr14	68844276		0.397595	2.356252	0.019594	0.888152
cg132428							
01	chr5	1.76E+08		-0.22978	-2.35839	0.019486	0.887696
cg157336							
92	chr18	70209551		0.350653	2.355243	0.019646	0.888152
cg064811							
68	chr4	1.66E+08		0.310913	2.363066	0.019249	0.887105
cg218606							
29	chr1	1.53E+08 C1orf189		-0.28211	-2.35548	0.019634	0.888152
cg188884							
61	chr11	18477379		0.594026	2.357212	0.019546	0.888152
cg003789							
99	chr11	3246380		-0.35331	-2.36112	0.019347	0.887439
cg079982							
77	chr13	1.13E+08		0.265869	2.357692	0.019521	0.88802
cg103227							
44	chr12	98910138		0.19474	2.352225	0.019801	0.889598

			ANXA6;CSNK1A1				
			;MYOZ3;SYNPO;				
cg221575			GPX3;PDGFRB;C				
25	chr5	1.5E+08 SF1R		-0.52445	-2.35269	0.019777	0.889598
ch.1.3178							
922R	chr1	1.62E+08 HSPA6		-0.36329	-2.35351	0.019735	0.889132
cg128114							
19	chr2	27256009		-0.1832	-2.35524	0.019646	0.888152
cg249496							
61	chr11	60899592		0.206085	2.360956	0.019356	0.887439
cg018811							
36	chr16	89438758		0.24442	2.356862	0.019563	0.888152
cg064105							
10	chr2	1.07E+08		0.269745	2.352938	0.019764	0.889433
cg005100							
11	chr5	89854651		-0.25366	-2.35254	0.019785	0.889598

cg241970							
91	chr14	74708960		0.220647	2.356362	0.019589	0.888152
cg020573							
11	chr2	2.37E+08 IQCA1		0.385183	2.358264	0.019492	0.887696
cg091219							
28	chr16	75271179		0.358364	2.351645	0.019831	0.889598
cg017537							
31	chr4	903032		-0.32089	-2.34934	0.01995	0.889871
cg126387							
45	chr21	40816464		-0.33711	-2.35863	0.019474	0.887696
cg033141							
95	chr16	67678826		0.160494	2.361892	0.019308	0.887439
cg012002							
64	chr14	1.02E+08		-0.34136	-2.35005	0.019914	0.889871
cg173260							
95	chr15	89959989		0.274296	2.350647	0.019882	0.889871
cg007625							
50	chr17	33306307		-0.36625	-2.35228	0.019798	0.889598
cg103060							
35	chr10	23464518		0.388444	2.356388	0.019588	0.888152
cg035400							
51	chr6	31626915		0.232208	2.355083	0.019654	0.888152
cg165691							
47	chr16	816088		-0.24675	-2.35275	0.019774	0.889598
cg036377							
81	chr3	37902564		0.174937	2.354503	0.019684	0.888298
cg047643							
00	chr8	1.46E+08		-0.26689	-2.36294	0.019256	0.887105
cg149885							
65	chr20	34287060		-0.15723	-2.35204	0.01981	0.889598
cg090137							
09	chr4	1.35E+08		-0.42594	-2.35501	0.019658	0.888152
cg150036							
15	chr6	27870978		0.29452	2.355369	0.01964	0.888152
cg171432							
70	chr1	91532819		-0.27839	-2.36043	0.019382	0.887439
cg027181							
24	chr11	6502648		-0.1716	-2.35542	0.019637	0.888152
cg033215							
03	chr6	91320082 BACH2		0.425352	2.358155	0.019498	0.887696

			LY6G5C;SLC44A4 ;VWA7;NELFE;CC HCR1;HSPA1L;N OTCH4;TCF19;C6 orf10;HSPA1A;E NSG0000027222				
cg117261							
50	chr6	31845172	1;TAP1	0.278833	2.359937	0.019407	0.887601
cg141357							
83	chr7	2319078	PSMG3	0.394077	2.352301	0.019797	0.889598
cg275313							
66	chr1	27627058	FGR;ZDHH18	0.260216	2.358024	0.019504	0.887707
cg052068							
84	chr22	33454324		0.395699	2.35405	0.019707	0.888481
cg150076							
46	chr19	8550758		0.277242	2.360917	0.019358	0.887439
cg049109							
70	chr6	1E+08		0.263131	2.353025	0.01976	0.889433
cg185162							
68	chr17	37010922		0.320567	2.354279	0.019695	0.888453
cg133142							
22	chr6	32862734		-0.23162	-2.36312	0.019247	0.887105
cg007211							
70	chr4	74864239		0.29422	2.358259	0.019492	0.887696
cg239083							
05	chr11	1958316		-0.24046	-2.35499	0.019659	0.888152
cg141322							
36	chr6	28984254		0.395318	2.35822	0.019494	0.887696
cg020727							
96	chr1	85087388		-0.16928	-2.35671	0.019571	0.888152

			DNAH9;ARHGAP 44;SHISA6;ENSG				
cg267793							
05	chr17	11985228	00000266368	0.419449	2.361574	0.019324	0.887439
cg029185							
57	chr7	4901337		0.479986	2.352284	0.019798	0.889598
cg075901							
96	chr16	30661673		0.344257	2.354132	0.019703	0.888481
cg247173							
25	chr6	28784509		0.357537	2.35453	0.019683	0.888298
cg082325							
72	chr10	1.35E+08		-0.32906	-2.35532	0.019642	0.888152
cg128521							
51	chr6	1.37E+08		0.263609	2.358279	0.019491	0.887696

cg123558							
35	chr13	1.13E+08		0.401295	2.356265	0.019594	0.888152
cg040870							
39	chr7	1.58E+08		-0.27662	-2.35557	0.019629	0.888152
cg071136							
42	chr20	2781262		0.30324	2.356637	0.019575	0.888152
cg044619							
49	chr1	2.44E+08		0.261452	2.356615	0.019576	0.888152
cg206289							
42	chr13	1.14E+08	RASA3	0.334219	2.362109	0.019297	0.887439
cg057180							
34	chr1	7122667		0.345041	2.360722	0.019367	0.887439
cg138288							
39	chr11	1.18E+08		-0.21383	-2.35354	0.019733	0.889132
cg227170							
15	chr3	1.41E+08		-0.19698	-2.36469	0.019168	0.886722
cg150905							
09	chr7	11872073		0.451253	2.352206	0.019802	0.889598
cg154056							
68	chr4	2945559		0.272537	2.353254	0.019748	0.889352
cg079808							
30	chr8	1.45E+08		-0.37189	-2.34892	0.019972	0.889871
cg071365							
54	chr14	52542167		-0.23664	-2.34888	0.019974	0.889871
cg222671							
76	chr6	1.7E+08		-0.24059	-2.36044	0.019382	0.887439
ch.1.1170							
57666F	chr1	1.17E+08		-0.27883	-2.35795	0.019508	0.88771
cg114353							
69	chr7	942874		-0.19858	-2.35391	0.019714	0.888575
cg202982			MEF2D;PEAR1;L				
73	chr1	1.57E+08	RRC71;NES	0.290121	2.353144	0.019754	0.889419
cg189874							
10	chr11	1.25E+08		0.660228	2.357718	0.01952	0.88802
cg219626							
03	chr12	49583112		0.307701	2.351084	0.01986	0.889871
cg229869							
99	chr11	68781976	MRGPRF	-0.19557	-2.35845	0.019483	0.887696
cg178204							
95	chr8	1.29E+08		-0.25774	-2.35221	0.019802	0.889598
cg267291							
97	chr17	71161415		-0.20704	-2.34914	0.01996	0.889871
cg213091							
47	chr17	37382234		0.372174	2.355393	0.019638	0.888152
cg108123							
48	chr6	28235027		0.214465	2.354163	0.019701	0.888481
cg238425							
72	chr17	17030253		0.301783	2.35034	0.019898	0.889871

cg032028							
84	chr19	19248891		0.322124	2.350963	0.019866	0.889871
cg066700							
39	chr16	12530246		0.515235	2.356345	0.01959	0.888152
cg233394							
54	chr4	1165267 SPON2;NELFA		0.246811	2.34991	0.019921	0.889871
cg265422							
14	chr3	1.11E+08		-0.14003	-2.35523	0.019647	0.888152
cg214037							
71	chr7	1.31E+08		-0.12891	-2.35161	0.019833	0.889598
cg064377							
47	chr1	2890836 TTC34		-0.24028	-2.35235	0.019794	0.889598
cg058436							
21	chr17	80231999 MAFG-AS1		0.344696	2.353756	0.019722	0.888753
cg257806							
07	chr5	1.5E+08		-0.23794	-2.35592	0.019612	0.888152
cg201610							
89	chr14	94577514 IFI27		0.533349	2.35454	0.019682	0.888298
cg033880							
85	chr1	1.54E+08		0.175263	2.355279	0.019644	0.888152
cg254734							
38	chr6	41169049 C6orf132		-0.42977	-2.34693	0.020075	0.890709
cg178909							
40	chr7	1782346		-0.37701	-2.34985	0.019924	0.889871
cg118584							
50	chr19	15132184		0.524134	2.355083	0.019654	0.888152
cg122928							
08	chr19	18942500		-0.14509	-2.35244	0.01979	0.889598
cg104900							
99	chr6	1.49E+08 SASH1		-0.34358	-2.35172	0.019827	0.889598
cg181264							
42	chr2	63275868 EHBP1		-0.20237	-2.35425	0.019697	0.888453
cg076032							
78	chr7	44262985 PPIA		0.180881	2.354051	0.019707	0.888481
cg176527							
92	chr5	1.41E+08 CYSTM1		-0.44501	-2.35593	0.019611	0.888152
cg028248							
17	chr4	1.7E+08		-0.28643	-2.35494	0.019662	0.888176
cg019741							
41	chr14	74728386 ACOT4		-0.37357	-2.34831	0.020004	0.889892
cg052501							
19	chr15	79123384		0.348775	2.348078	0.020016	0.889965
cg165242							
40	chr15	93316187		0.353296	2.349762	0.019928	0.889871
cg134823							
75	chr17	57517754	Sep-04	0.261352	2.35221	0.019802	0.889598
cg259770							
26	chr1	23347412		0.285403	2.347316	0.020055	0.890709
cg055962							
65	chr3	2141382		0.251356	2.353388	0.019741	0.889185

cg001882							
98	chr10	97667731		-0.14269	-2.35298	0.019762	0.889433
cg207395							
10	chr1	10534809		0.530117	2.353416	0.01974	0.889185
cg246305							
21	chr5	53320010		-0.28325	-2.35634	0.01959	0.888152
cg070643							
31	chr16	67700219		0.153977	2.359872	0.01941	0.887601
cg245604							
94	chr13	53423037		-0.16836	-2.35001	0.019916	0.889871
cg137605							
46	chr18	29598697		-0.1969	-2.34903	0.019966	0.889871
cg207372							
10	chr19	1918832		-0.31035	-2.34903	0.019966	0.889871
cg083762							
09	chr6	1.12E+08		-0.2631	-2.35079	0.019875	0.889871
cg122323							
88	chr12	1.25E+08		-0.33111	-2.35191	0.019817	0.889598
cg014215							
39	chr17	10748125		0.356072	2.355163	0.01965	0.888152
cg027330							
25	chr7	1.55E+08		0.299822	2.351809	0.019822	0.889598
cg126655							
53	chr6	31759825 LSM2		-0.20724	-2.35441	0.019688	0.888298
cg114232							
06	chr2	87014979		0.299846	2.349906	0.019921	0.889871
cg261928							
72	chr6	1.53E+08		-0.29647	-2.34957	0.019938	0.889871
cg036387							
81	chr16	23880664		-0.42403	-2.35321	0.01975	0.88936
cg173161							
85	chr17	43045884		-0.1912	-2.34916	0.01996	0.889871
cg270829							
21	chr19	1800150		0.484082	2.35052	0.019889	0.889871
cg033448							
20	chr2	73297746		-0.19954	-2.34964	0.019935	0.889871
cg152415							
82	chr11	89323227		-0.25055	-2.3555	0.019633	0.888152
cg267971							
66	chr7	1659465		-0.45944	-2.35197	0.019814	0.889598
cg031333							
78	chr7	99195931		0.415564	2.351504	0.019838	0.889623
cg112996		ENSG000002704					
60	chr19	19626895 02		0.159299	2.349287	0.019953	0.889871
cg020335							
82	chr17	29394814 EVI2B		-0.39184	-2.34993	0.019919	0.889871
cg204783							
30	chr12	1.22E+08		0.327611	2.349684	0.019932	0.889871
cg015143							
56	chr8	1.43E+08		-0.38827	-2.34963	0.019935	0.889871



		MROH9;ENSG0000234604;CCD					
cg244883		C181;ENSG0000					
91	chr1	1.7E+08	0226552	-0.30307	-2.35111	0.019858	0.889871
cg024970							
46	chr5	1.79E+08		-0.27189	-2.35168	0.019829	0.889598
cg159524							
87	chr1	1.58E+08		-0.40053	-2.35452	0.019683	0.888298
cg082445							
22	chr20	23030533		-0.24893	-2.34984	0.019924	0.889871
cg046576							
84	chr11	1.08E+08		-0.39574	-2.35021	0.019905	0.889871
cg187992							
41	chr19	45412599		-0.26024	-2.35298	0.019762	0.889433
cg108838							
54	chr12	1.14E+08		0.318069	2.352271	0.019799	0.889598
cg120627							
82	chr11	66102686	SLC25A45;CCS	-0.23167	-2.34866	0.019985	0.889871
cg135934							
36	chr9	1.39E+08		-0.16996	-2.35148	0.019839	0.889623
cg070969							
53	chr11	2154255		-0.44975	-2.35145	0.019841	0.889623
cg019230							
75	chr7	1.05E+08		0.455789	2.349581	0.019938	0.889871
cg192847							
67	chr2	466735		-0.26238	-2.35656	0.019579	0.888152
cg262292							
01	chr2	1.05E+08		-0.22385	-2.3544	0.019689	0.888298
cg038553							
88	chr11	68580018	MRGPRF	-0.35268	-2.35069	0.01988	0.889871
cg074626							
77	chr8	1.19E+08		0.210261	2.351694	0.019828	0.889598
cg038206							
88	chr2	55477848		-0.30483	-2.35039	0.019896	0.889871
cg037240		ENSG000002374					
10	chr1	1473443	91	-0.22031	-2.35122	0.019853	0.889871
cg245965							
70	chr1	26146463		-0.23269	-2.34657	0.020094	0.890762
cg240605							
38	chr6	14024568		0.299598	2.347566	0.020042	0.890501
cg013774							
59	chr2	1.45E+08		-0.35413	-2.34497	0.020178	0.891498
cg112744							
28	chr6	28832270		0.437911	2.353367	0.019742	0.889185
cg068545							
02	chr1	19923593		-0.21043	-2.34713	0.020065	0.890709

cg153046							
99	chr10	1.35E+08		0.432502	2.345004	0.020176	0.891498
cg149157							
49	chr11	65627159		0.132605	2.350888	0.01987	0.889871
cg005003							
59	chr11	3175625 KCNQ1		0.690157	2.347083	0.020067	0.890709
cg216811							
09	chr7	32468131		0.279659	2.355605	0.019628	0.888152
cg143817			C1orf158;FBXO2				
12	chr1	12546623 ;AGTRAP		0.369203	2.35467	0.019675	0.888298
cg158156							
07	chr20	30135144		0.208336	2.348599	0.019989	0.889871
cg196804							
41	chr7	1.58E+08		0.291692	2.355666	0.019624	0.888152
cg216158							
41	chr13	1.14E+08		-0.25262	-2.34816	0.020011	0.889907
cg059886							
45	chr16	8715306		0.466364	2.351711	0.019828	0.889598
cg120793							
22	chr2	1.55E+08		0.41177	2.345311	0.02016	0.891498
cg039666							
69	chr16	4763799		-0.35127	-2.35001	0.019916	0.889871
cg071241							
73	chr5	1.4E+08		-0.20276	-2.35194	0.019816	0.889598
cg047388							
88	chr17	73584111		0.226774	2.348599	0.019989	0.889871
cg125760							
73	chr6	30521242		-0.21768	-2.34678	0.020083	0.890762
cg182033							
66	chr1	2E+08		0.306919	2.349488	0.019942	0.889871
cg153918							
83	chr17	70673679		-0.26004	-2.34798	0.020021	0.890103
cg119129							
48	chr13	50413150 EBPL		-0.30226	-2.35261	0.019781	0.889598
cg045644							
61	chr1	41978921		-0.31272	-2.35226	0.019799	0.889598
cg151837							
04	chr15	91207655		-0.23892	-2.34876	0.01998	0.889871
cg249770							
27	chr2	88469347 THNSL2		0.422638	2.348886	0.019974	0.889871
cg228770							
24	chr5	1.43E+08		0.352472	2.349618	0.019936	0.889871

cg01541600	chr16	87988715	21	0.350651	2.358122	0.019499	0.887696
cg04276007	chr7	1.07E+08	B	0.314261	2.351377	0.019845	0.889675
cg16988072	chr17	41791475	0910	-0.20125	-2.34412	0.020222	0.891498
cg04653893	chr16	20996560		-0.31118	-2.3492	0.019958	0.889871
cg15110403	chr19	17392923		0.276162	2.351085	0.01986	0.889871
cg20252015	chr1	64100814		-0.2501	-2.34846	0.019996	0.889892
cg25441629	chr4	39467911		0.331898	2.351185	0.019855	0.889871
cg12494124	chr19	12721746		-0.18351	-2.34695	0.020074	0.890709
cg08414068	chr5	31857916		0.420226	2.350899	0.019869	0.889871
cg00232500	chr9	14910689		-0.22429	-2.34642	0.020102	0.89081
cg07658640	chr12	52868602		-0.40707	-2.34692	0.020076	0.890709
cg03756814	chr2	1.48E+08		0.201533	2.349744	0.019929	0.889871
cg11901544	chr6	33396247		0.237341	2.347279	0.020057	0.890709
cg07655025	chr19	12835001		0.287349	2.354003	0.01971	0.888481
cg16408679	chr2	54517382		0.466322	2.342983	0.020282	0.891498
cg21200067	chr9	35656836		0.33808	2.347773	0.020032	0.8903
cg21330700	chr5	96478573		-0.28948	-2.34701	0.020071	0.890709
cg27303699	chr1	1.58E+08		0.284154	2.349071	0.019964	0.889871
cg23059709	chr15	57778278	CGNL1	0.305385	2.349767	0.019928	0.889871
cg13436417	chr10	1.22E+08		-0.24186	-2.34544	0.020153	0.891498

cg200018							
50	chr8	29940579		-0.15339	-2.35001	0.019915	0.889871
cg053658							
35	chr12	45567294		0.320939	2.348971	0.019969	0.889871
cg175306							
39	chr15	64448120		-0.22741	-2.34597	0.020125	0.891322
cg039127							
03	chr1	45279349		0.292119	2.347131	0.020065	0.890709
cg006032							
74	chr11	61596626	FADS2	0.300324	2.34928	0.019953	0.889871
cg221150							
93	chr11	61525922	SYT7;CD5	-0.22921	-2.34839	0.019999	0.889892
cg180224							
96	chr3	1.97E+08		0.221564	2.350196	0.019906	0.889871
cg007478							
90	chr14	90854534		-0.27447	-2.35482	0.019667	0.888298
cg166396							
91	chr13	28597227	RPL21;GTF3A	-0.27901	-2.34338	0.020261	0.891498
			LRRC56;MUC5B; B4GALNT4;TSPA N4;MRPL23;IFIT M1;DEAF1;SIGIR R;EFCAB4A;IFIT M3;MUC5AC;M				
cg228805							
57	chr11	1109004	OB2;TALDO1	0.35851	2.352936	0.019764	0.889433
cg069883							
10	chr16	19897685	ITPRIPL2	-0.27205	-2.3458	0.020134	0.891498
cg100059							
60	chr4	8430380		0.187612	2.350775	0.019876	0.889871
cg105743							
77	chr1	18908098		-0.17118	-2.35171	0.019827	0.889598
			PHLPP1;BCL2;SE RPINB2;ENSG00				
cg208758							
21	chr18	61557735	000267701	-0.38843	-2.354	0.01971	0.888481
cg072666							
16	chr4	55093241		0.283994	2.346307	0.020108	0.89081
cg165815							
36	chr14	38064849		-0.26248	-2.343	0.020281	0.891498
cg233542							
60	chr13	57309855		-0.27234	-2.34256	0.020304	0.891498
ch.7.2773							
799F	chr7	1.33E+08		0.373467	2.350475	0.019891	0.889871

cg216926							
20	chr17	40835849	-0.57228	-2.34243	0.020311	0.891498	
cg183857							
19	chr4	75023649	0.195823	2.349989	0.019916	0.889871	
cg147687							
85	chr3	1.72E+08	0.238687	2.346274	0.02011	0.89081	
cg221298							
09	chr3	1.39E+08	-0.3117	-2.34375	0.020242	0.891498	
cg157796							
00	chr10	71892694	0.289521	2.344429	0.020206	0.891498	
cg143390							
38	chr13	22246104	0.397887	2.344776	0.020188	0.891498	
cg069982							
24	chr5	1.28E+08	-0.37463	-2.34846	0.019996	0.889892	
cg002410							
76	chr16	27120945	0.209581	2.348611	0.019988	0.889871	
cg271130							
91	chr3	32668376	0.374989	2.35584	0.019616	0.888152	
cg035885							
13	chr13	1.14E+08	0.32924	2.342931	0.020285	0.891498	
cg038055							
66	chr3	1.83E+08	0.31007	2.348896	0.019973	0.889871	
cg187197							
50	chr8	97505788	0.272173	2.347665	0.020037	0.890365	
cg143491							
31	chr9	14287483	-0.34096	-2.35102	0.019863	0.889871	
cg054196							
96	chr17	7761198	0.141182	2.35217	0.019804	0.889598	
cg050496							
38	chr1	44867471	0.32802	2.34515	0.020168	0.891498	
cg136055							
78	chr6	11191135	-0.28508	-2.3494	0.019947	0.889871	
cg098283							
81	chr12	63177404	-0.36152	-2.34257	0.020304	0.891498	
cg182072							
14	chr5	1.26E+08	0.248954	2.352194	0.019803	0.889598	
cg272026							
22	chr19	58478689	-0.35092	-2.34653	0.020096	0.890762	
cg002757							
41	chr5	1.4E+08	0.463604	2.344933	0.02018	0.891498	
cg075361							
02	chr17	74073527	0.237474	2.346735	0.020086	0.890762	
cg205879							
45	chr7	83043384	-0.39582	-2.34833	0.020003	0.889892	
cg252967							
45	chr4	3520691	0.289793	2.346554	0.020095	0.890762	
cg063387							
08	chr4	1.16E+08	0.333301	2.350095	0.019911	0.889871	
cg192339							
23	chr11	63753598	-0.59551	-2.34259	0.020303	0.891498	

cg148041							
29	chr19	5110798	0.346225	2.342339	0.020316	0.891498	
cg064430							
34	chr17	78417973	0.27232	2.341106	0.020381	0.891498	
cg230380							
74	chr14	24808650	0.276046	2.342855	0.020289	0.891498	
cg087125							
72	chr1	2.05E+08	0.297742	2.34558	0.020146	0.891498	
cg261135							
93	chr5	1001881	0.243963	2.342558	0.020305	0.891498	
cg151390							
38	chr8	29019587	-0.25852	-2.34476	0.020189	0.891498	
cg170340							
82	chr5	1.53E+08	-0.2265	-2.34781	0.02003	0.8903	
cg055802							
74	chr2	2.31E+08	-0.2533	-2.34894	0.019971	0.889871	
cg231649							
82	chr8	65286329	0.195487	2.346625	0.020091	0.890762	
cg071180							
00	chr8	37656246	-0.24414	-2.34436	0.02021	0.891498	
cg146855							
75	chr14	60193832	0.393728	2.345563	0.020147	0.891498	
cg035589							
49	chr13	32853269	-0.2262	-2.34476	0.020189	0.891498	
cg170343							
60	chr1	68629032	-0.13547	-2.34862	0.019987	0.889871	
cg272248							
09	chr1	2.3E+08	0.266838	2.348388	0.02	0.889892	
cg172842							
00	chr6	20837097	-0.30564	-2.34866	0.019985	0.889871	
cg220738							
02	chr9	98269255	-0.23473	-2.34193	0.020338	0.891498	
cg133612							
71	chr1	1070325	-0.14511	-2.35144	0.019841	0.889623	
cg098300							
22	chr10	1.05E+08	0.275192	2.349489	0.019942	0.889871	
cg223133							
22	chr6	1.6E+08	0.183732	2.346945	0.020075	0.890709	
cg013365							
71	chr13	1.13E+08	0.342667	2.347108	0.020066	0.890709	
cg039675							
21	chr5	1.24E+08	-0.32338	-2.33992	0.020444	0.891498	
cg235549							
56	chr8	65489040	-0.31925	-2.34938	0.019948	0.889871	
cg221763							
53	chr13	1.15E+08	0.191513	2.343599	0.02025	0.891498	
cg087565							
94	chr11	1892392 LSP1	0.319567	2.341211	0.020376	0.891498	
cg021764							
28	chr19	53697124	0.235244	2.346167	0.020115	0.890965	

cg004392							
67	chr11	71935881	-0.17845	-2.34145	0.020363	0.891498	
cg244501							
57	chr6	30640543	0.198649	2.340892	0.020392	0.891498	
cg166124							
23	chr5	6491884	-0.45358	-2.34419	0.020219	0.891498	
cg255673							
37	chr20	61148178	0.230565	2.344892	0.020182	0.891498	
cg196363							
66	chr19	11708328	-0.16027	-2.34301	0.020281	0.891498	
cg132945							
09	chr9	1.31E+08	-0.31694	-2.34371	0.020244	0.891498	
cg096086							
52	chr16	53105688	0.317679	2.348143	0.020012	0.889907	
cg262073							
80	chr8	1.44E+08	0.333659	2.341935	0.020337	0.891498	
cg235019							
62	chr11	35440252	0.275132	2.345297	0.020161	0.891498	
cg142346							
56	chr7	1.57E+08	-0.34551	-2.34094	0.02039	0.891498	
cg107671							
41	chr7	27225143	0.246535	2.347472	0.020047	0.890626	
cg211033							
85	chr7	1.56E+08 RBM33	-0.26099	-2.34237	0.020315	0.891498	
cg054004							
95	chr15	59665308	-0.22636	-2.34703	0.02007	0.890709	
cg156229							
12	chr5	1.75E+08	0.340924	2.339024	0.020491	0.891498	
cg143371							
34	chr7	1.03E+08	0.234919	2.343134	0.020274	0.891498	
cg010012							
86	chr15	81475638	-0.29131	-2.34186	0.020341	0.891498	
cg005621							
07	chr11	37532293	-0.36712	-2.33986	0.020447	0.891498	
cg188492							
13	chr12	1.32E+08	0.748546	2.345207	0.020165	0.891498	
cg275176							
81	chr1	1.2E+08	0.262913	2.344028	0.020227	0.891498	
cg023515							
75	chr15	60739879	0.40107	2.344551	0.0202	0.891498	
cg046487							
47	chr12	72233970	0.382367	2.342862	0.020289	0.891498	
cg113082							
11	chr2	1.73E+08	-0.14019	-2.34555	0.020148	0.891498	
cg240585							
66	chr5	87974100	0.344405	2.3479	0.020025	0.890192	
cg207147							
15	chr15	65113714	-0.24927	-2.33921	0.020481	0.891498	
cg029109							
10	chr12	1.22E+08	0.256283	2.346348	0.020106	0.89081	

cg071048						
18	chr1	1.2E+08	0.386102	2.338798	0.020503	0.891498
cg011177						
05	chr17	1629224	-0.28005	-2.34339	0.020261	0.891498
cg189101						
27	chr17	77361667	0.232519	2.345517	0.020149	0.891498
cg127371						
52	chr11	1.3E+08	0.568141	2.341216	0.020375	0.891498
cg276270						
38	chr6	475038	0.363546	2.345243	0.020164	0.891498
cg215898						
58	chr3	99566949	0.415339	2.345227	0.020164	0.891498
cg251536						
29	chr1	3135375 MMEL1	0.20547	2.345829	0.020133	0.891498
cg194796						
54	chr19	18496921	-0.43328	-2.33936	0.020474	0.891498
cg175477						
42	chr11	985589	-0.52735	-2.33876	0.020505	0.891498
cg117557						
40	chr8	9413382	-0.18326	-2.3432	0.020271	0.891498
cg021656						
92	chr2	30142586	0.317427	2.347684	0.020036	0.890365
cg185439						
91	chr3	1.46E+08	0.372193	2.342989	0.020282	0.891498
cg079223						
87	chr17	3375989	-0.2677	-2.34461	0.020197	0.891498
cg181633						
64	chr14	1.02E+08 DIO3OS;WARS	0.230358	2.348553	0.019991	0.889885
cg211968						
60	chr17	71431796	-0.22809	-2.33897	0.020494	0.891498
ZNF418;ZIK1;ZN						
cg074744		F274;ZNF671;ZN				
94	chr19	58446600 F549	0.378603	2.338644	0.020512	0.891498
cg090852						
20	chr16	8736433	0.3197	2.346731	0.020086	0.890762
cg020846						
69	chr14	74707360	0.297351	2.342181	0.020324	0.891498
cg146555						
32	chr1	3664680	-0.40518	-2.34017	0.020431	0.891498
cg075977						
63	chr11	59382877	0.209323	2.345411	0.020155	0.891498
cg060180						
19	chr17	42062202	-0.26634	-2.35073	0.019878	0.889871
cg046140						
53	chr19	12250778	-0.23178	-2.34229	0.020319	0.891498
cg231684						
83	chr15	65669821	-0.28551	-2.3434	0.02026	0.891498
cg122845						
21	chr6	34113943	0.301214	2.342029	0.020332	0.891498



cg042616							
07	chr11	65150871		-0.18675	-2.3406	0.020408	0.891498
			DNAH2;CYB5D1; EFNB3;TMEM10 7;AURKB;WRAP5				
cg244950							
52	chr17	8189468	3	0.239687	2.342504	0.020307	0.891498
			PADI1;MFAP2;R NU1-				
cg035133							
88	chr1	17599362	4;RCC2;RNU1-2	-0.24091	-2.34109	0.020382	0.891498
cg046641							
61	chr19	1876758		0.270304	2.341098	0.020382	0.891498
cg100270							
17	chr12	1.33E+08		0.282614	2.340078	0.020436	0.891498
cg117170							
54	chr11	279423		0.579357	2.342434	0.020311	0.891498
			UBXN11;AIM1L; STMN1;MAN1C1				
cg227249							
43	chr1	26070246	;CEP85	0.303811	2.34667	0.020089	0.890762
cg052370							
23	chr16	75182837		-0.15597	-2.34009	0.020435	0.891498
cg051014							
98	chr4	7069843		0.166824	2.341467	0.020362	0.891498
cg213828							
78	chr1	2.46E+08		0.18752	2.351686	0.019829	0.889598
cg088370							
37	chr22	31318179		0.619217	2.342949	0.020284	0.891498
cg125063							
93	chr5	1.07E+08		0.401551	2.342963	0.020283	0.891498
cg240590							
33	chr21	10991334		0.229483	2.342948	0.020284	0.891498
cg266991							
02	chr15	78894483		-0.31797	-2.34098	0.020388	0.891498
cg136748							
85	chr19	19649041		-0.15233	-2.34574	0.020138	0.891498
			ELF3;C1orf106;C SRP1;UBE2T;PPP				
cg056958							
76	chr1	2.02E+08	1R12B;LMOD1	0.34826	2.346621	0.020092	0.890762
cg006736							
46	chr11	59950525	PATL1;TCN1	-0.4789	-2.34357	0.020251	0.891498
cg266737							
75	chr3	50273532		-0.20799	-2.33962	0.02046	0.891498

cg165342							
33	chr1	42846477		0.168193	2.339734	0.020454	0.891498
cg147653			ENSG000002443				
37	chr11	45931715	13	0.211554	2.34398	0.02023	0.891498
			ENSG000002621				
cg258696			98;LINC00621;N				
28	chr13	23458307	US1P2;BASP1P1	0.732372	2.338468	0.020521	0.891498
cg086524							
04	chr7	99098009		-0.24646	-2.34356	0.020252	0.891498
cg136181							
11	chr3	1.38E+08	CEP70;FAIM	-0.28481	-2.33911	0.020487	0.891498
cg146677							
31	chr6	28891990	TRIM27	-0.17537	-2.34044	0.020416	0.891498
cg109429							
03	chr3	46933972		0.182951	2.340856	0.020394	0.891498
cg234970							
16	chr2	66666684		0.428444	2.340507	0.020413	0.891498
cg261818							
18	chr2	2.33E+08		0.445867	2.342841	0.02029	0.891498
cg085176							
59	chr17	2952533		-0.33386	-2.34268	0.020298	0.891498
			ENSG000002720				
cg047555			79;CLDN9;ZNF21				
61	chr16	3029641	3;SLC9A3R2	-0.2137	-2.3412	0.020376	0.891498
cg071583							
39	chr9	71650237		-0.33054	-2.34186	0.020341	0.891498
cg255851							
85	chr11	1.33E+08		-0.28887	-2.34282	0.020291	0.891498
			ANXA11;ZCCHC2				
cg035990			4;FAM213A;TME				
37	chr10	82172508	M254	-0.25484	-2.34043	0.020417	0.891498
cg105959							
52	chr5	2097052		-0.43687	-2.33941	0.020471	0.891498
cg263442							
27	chr7	53287126		0.293001	2.339981	0.020441	0.891498
cg138833							
76	chr9	18770966		-0.29335	-2.34535	0.020158	0.891498
cg076388							
22	chr7	1.58E+08		0.231818	2.337081	0.020595	0.891498
cg270767							
81	chr20	42219517		-0.33309	-2.34354	0.020253	0.891498
cg272789							
53	chr14	77737661		0.281197	2.343661	0.020247	0.891498

cg127856							
43	chr6	30523313		-0.17248	-2.34006	0.020437	0.891498
cg211708							
36	chr14	1.06E+08 CRIP2		0.333343	2.341271	0.020372	0.891498
cg065409			HMGB1P29;LINC				
50	chr5	1.24E+08 01170		0.464645	2.348229	0.020008	0.889907
cg122745							
08	chr6	33170770		0.219326	2.346385	0.020104	0.89081
cg063804							
59	chr17	78234294		-0.20315	-2.34292	0.020286	0.891498
cg198898			HCLS1;CD86;PAR				
55	chr3	1.22E+08 P15		-0.32852	-2.34426	0.020215	0.891498
cg100125							
95	chr1	25174504		-0.23179	-2.34733	0.020054	0.890709
cg046506							
53	chr11	1890901 LSP1		0.367068	2.335775	0.020665	0.891498
cg135048							
12	chr11	1005232		0.245728	2.336915	0.020604	0.891498
cg206993							
23	chr8	1.33E+08		0.242412	2.340881	0.020393	0.891498
cg231902							
68	chr7	186559		0.371939	2.3363	0.020637	0.891498
cg115712							
63	chr6	90121836		0.216055	2.34237	0.020314	0.891498
cg185688							
59	chr3	1.34E+08		-0.32396	-2.35212	0.019807	0.889598
cg171491							
03	chr1	1.48E+08		0.302557	2.344854	0.020184	0.891498
cg071393							
30	chr8	1.44E+08		-0.23096	-2.34538	0.020157	0.891498
cg066475							
62	chr1	92950369		-0.21853	-2.34004	0.020438	0.891498
cg075687							
16	chr10	1.16E+08		-0.31107	-2.34296	0.020283	0.891498
cg092223							
79	chr16	11890746		-0.34539	-2.34071	0.020402	0.891498
cg205972							
15	chr11	59224664		-0.31473	-2.33936	0.020474	0.891498
cg111235							
45	chr5	1.4E+08		-0.18928	-2.33659	0.020621	0.891498
cg071170							
87	chr16	85537336		0.308617	2.340872	0.020394	0.891498
cg006503							
61	chr10	27703289		0.255792	2.339484	0.020467	0.891498
cg022705							
18	chr6	29404728		0.419157	2.339133	0.020486	0.891498

cg058691			ENSG000002641				
69	chr17	37827454	98;IKZF3	-0.23313	-2.33607	0.020649	0.891498
cg200293							
11	chr14	74100086		0.257927	2.341736	0.020348	0.891498
cg012526							
72	chr5	32711881		0.206189	2.337108	0.020593	0.891498
cg124190							
52	chr3	1.47E+08		0.283756	2.344205	0.020218	0.891498
cg249305							
36	chr17	79615807		0.393091	2.336492	0.020626	0.891498
cg097369							
22	chr3	1.84E+08		-0.26937	-2.33706	0.020596	0.891498
cg185067							
44	chr19	1102627	MEX3D	-0.26584	-2.33733	0.020581	0.891498
cg223537							
55	chr19	28397061		-0.34967	-2.3432	0.020271	0.891498
cg026298							
33	chr17	80349836		0.289551	2.340032	0.020438	0.891498
cg008675							
10	chr2	2.4E+08		-0.29386	-2.34145	0.020363	0.891498
cg245690							
18	chr3	48659211		-0.27321	-2.34113	0.02038	0.891498
cg200044							
51	chr6	42162708		0.220691	2.341242	0.020374	0.891498
cg072544							
13	chr11	59940485		0.31634	2.342875	0.020288	0.891498
cg016200							
77	chr6	49755009		-0.2732	-2.34461	0.020197	0.891498
cg162642							
49	chr15	29424512		-0.24521	-2.3437	0.020245	0.891498
cg144495							
24	chr9	78253033		-0.22783	-2.33702	0.020598	0.891498
cg094514			ENSG000002244				
34	chr3	62936126	79	-0.23874	-2.34197	0.020336	0.891498
cg059486							
45	chr8	1.41E+08		0.330716	2.339495	0.020466	0.891498
cg158926							
58	chr11	33757569		0.154085	2.337708	0.020561	0.891498
cg074412			ENSG000002368				
72	chr3	1.87E+08	64	0.206518	2.342864	0.020288	0.891498
cg135142							
30	chr3	62860224		0.362769	2.33951	0.020466	0.891498
cg031537							
65	chr14	1.02E+08		-0.35847	-2.33773	0.02056	0.891498
cg222036							
59	chr12	1.31E+08		-0.25143	-2.33819	0.020536	0.891498
cg009868							
25	chr17	48614425		-0.39137	-2.3482	0.020009	0.889907

cg027707						
51	chr19	795467 FSTL3	0.303828	2.339274	0.020478	0.891498
cg006778						
66	chr20	61051685	0.249384	2.334237	0.020747	0.891498
cg186582						
30	chr2	1887399	-0.2389	-2.33627	0.020638	0.891498
cg166357						
72	chr20	2443807	0.173734	2.343357	0.020263	0.891498
cg259341						
98	chr9	1.4E+08 PTGDS	-0.27023	-2.33841	0.020524	0.891498
cg081294						
90	chr1	1.12E+08	-0.32873	-2.34369	0.020245	0.891498
cg053789						
42	chr16	5147925	-0.24272	-2.33676	0.020612	0.891498
cg212503						
56	chr7	1.57E+08	0.295676	2.335395	0.020685	0.891498
cg038519						
84	chr5	1.46E+08 DPYSL3	-0.23905	-2.34381	0.020239	0.891498
cg222214						
90	chr1	8938754	0.169263	2.334449	0.020736	0.891498
cg218100						
47	chr13	97647222	0.282449	2.340965	0.020389	0.891498
cg253149						
02	chr5	87971446	0.293819	2.338066	0.020542	0.891498
cg224826						
58	chr9	1.12E+08	0.226182	2.336295	0.020637	0.891498
cg245827						
81	chr3	47450915	-0.19336	-2.33761	0.020567	0.891498
cg069478						
52	chr17	37307971	-0.15506	-2.34022	0.020428	0.891498
cg181621						
20	chr1	2.25E+08	-0.18772	-2.3437	0.020244	0.891498
cg024862						
68	chr11	69682825	-0.20894	-2.34515	0.020169	0.891498
cg095167						
86	chr11	71715072	0.288545	2.332355	0.020848	0.891498
cg088029						
83	chr12	1.33E+08	0.411316	2.338552	0.020517	0.891498
cg207480						
73	chr19	41842629	-0.19777	-2.33921	0.020482	0.891498
cg175079						
52	chr5	16179012	0.28646	2.342013	0.020333	0.891498
cg121254		ENSG000002495				
84	chr7	609820 74	0.271228	2.346494	0.020098	0.890762
cg159623						
13	chr11	1.27E+08	-0.34966	-2.33736	0.02058	0.891498
cg146777						
03	chr11	1.34E+08	0.305571	2.340723	0.020401	0.891498
cg117391						
48	chr15	31622112	-0.21461	-2.33416	0.020751	0.891498

cg232802						
94	chr1	8722464	-0.21729	-2.3396	0.020461	0.891498
cg256185						
59	chr2	2.42E+08	0.237447	2.339216	0.020481	0.891498
cg010746						
43	chr2	3337709	0.250164	2.338276	0.020531	0.891498
cg100845						
54	chr10	1.28E+08	-0.35366	-2.33401	0.020759	0.891498
cg078986						
32	chr15	73345666	0.194761	2.334457	0.020735	0.891498
cg092796						
15	chr1	1.66E+08	0.228339	2.338505	0.020519	0.891498
cg176436						
24	chr13	1.11E+08	-0.3078	-2.33498	0.020707	0.891498
cg010857						
36	chr14	89851504	0.323843	2.336376	0.020632	0.891498
cg188633						
33	chr2	5833195	0.24846	2.333288	0.020798	0.891498
cg224190						
75	chr9	1.4E+08	-0.18564	-2.3334	0.020792	0.891498
cg276596						
22	chr6	1.08E+08 SCML4;LACE1	0.470345	2.337223	0.020587	0.891498
cg017933						
20	chr8	20030779	-0.28362	-2.34096	0.020389	0.891498
cg022667						
14	chr12	13153273	0.252636	2.342052	0.020331	0.891498
cg086112						
05	chr3	14218869	-0.29264	-2.33432	0.020742	0.891498
cg082809						
36	chr7	1.49E+08	-0.20962	-2.33721	0.020588	0.891498
cg207015						
56	chr1	95698924	0.414143	2.33353	0.020785	0.891498
cg104268						
93	chr16	68482821	0.269788	2.334162	0.020751	0.891498
cg024417						
47	chr4	1.1E+08	0.41598	2.339265	0.020479	0.891498
cg007584						
20	chr1	16070820	-0.31318	-2.33495	0.020709	0.891498
cg210415						
12	chr17	79196677	-0.14688	-2.33765	0.020565	0.891498
cg037766						
62	chr5	1.22E+08 PRDM6	0.208874	2.342011	0.020333	0.891498
cg264828						
62	chr18	32957463	0.301619	2.342918	0.020286	0.891498
cg059443						
69	chr4	1.74E+08	0.203789	2.334819	0.020716	0.891498
cg073450						
16	chr5	1.76E+08 FGFR4	-0.26586	-2.33289	0.02082	0.891498
cg021913						
12	chr14	52734397	0.219353	2.33509	0.020701	0.891498

cg106619							
04	chr17	79619235	CSNK1D;RPTOR	0.370085	2.339338	0.020475	0.891498
cg179874			RHD;ENSG000000				
83	chr1	25660365	261349	-0.26813	-2.33945	0.020469	0.891498
cg176803							
03	chr4	47183921		-0.33994	-2.33719	0.020589	0.891498
cg090796			JTB;SHE;NPR1;A				
13	chr1	1.54E+08	DAR;TDRD10;S1				
cg095134			00A6;ILF2;GATA				
16	chr6	71319075	D2B	0.220897	2.333784	0.020771	0.891498
cg232019							
38	chr5	1.34E+08	PITX1;SEC24A	-0.38666	-2.33924	0.02048	0.891498
cg228681			ENSG000002365				
11	chr10	61386132	56	-0.31596	-2.33538	0.020686	0.891498
cg006679							
48	chr13	1.01E+08		-0.39787	-2.34867	0.019985	0.889871
cg268241							
74	chr1	1.15E+08		0.359397	2.334249	0.020746	0.891498
cg089971							
93	chr6	1.32E+08		-0.16888	-2.33436	0.020741	0.891498
cg273872							
22	chr12	32831504		-0.28633	-2.33913	0.020486	0.891498
cg124703							
77	chr5	1.77E+08		-0.17649	-2.33622	0.020641	0.891498
cg158208							
09	chr22	43507369		-0.19651	-2.33714	0.020592	0.891498
cg248347							
09	chr19	57922503		0.146429	2.33726	0.020585	0.891498
cg206139							
72	chr4	84037158		-0.36037	-2.33488	0.020712	0.891498
cg114115							
09	chr6	33157746		-0.26336	-2.33529	0.020691	0.891498
cg096385							
16	chr2	3501998		0.3603	2.332191	0.020857	0.891498
cg072816							
40	chr9	1.12E+08		0.254493	2.337548	0.02057	0.891498
cg104344							
82	chr10	7708279		-0.18203	-2.33471	0.020722	0.891498
cg200641							
22	chr22	18593362		-0.28102	-2.34107	0.020383	0.891498
cg246333							
12	chr7	43300742		-0.32871	-2.3338	0.02077	0.891498
cg151613							
94	chr5	1.46E+08		0.285652	2.332545	0.020838	0.891498

cg068332						
03	chr19	15218579	0.219735	2.337388	0.020578	0.891498
cg273600						
03	chr10	1.05E+08 CNM2	0.248627	2.344165	0.02022	0.891498
cg098114						
64	chr9	1.35E+08	0.240348	2.336954	0.020602	0.891498
cg036828						
23	chr7	94286953	-0.15137	-2.33402	0.020758	0.891498
cg090090						
74	chr3	8543508	-0.17978	-2.34098	0.020388	0.891498
cg074964						
57	chr4	1.85E+08	-0.29889	-2.34217	0.020325	0.891498
cg115376						
07	chr8	26493993	0.360117	2.339073	0.020489	0.891498
cg119739						
00	chr1	1.75E+08	-0.20073	-2.33255	0.020837	0.891498
cg057478						
12	chr10	1.26E+08	-0.28589	-2.33627	0.020638	0.891498
cg022638						
13	chr16	56672640	0.323447	2.332108	0.020862	0.891498
cg204101						
35	chr5	1.78E+08	0.249523	2.341698	0.02035	0.891498
cg094072						
73	chr19	2248632	-0.2506	-2.34047	0.020415	0.891498
cg123195						
34	chr4	54959841	0.36387	2.34191	0.020339	0.891498
cg136289						
37	chr17	75969881	-0.32538	-2.33823	0.020534	0.891498
cg269531						
53	chr17	17699213	0.247415	2.336331	0.020635	0.891498
cg007921						
84	chr14	73355148	0.254264	2.33624	0.02064	0.891498
cg080352						
41	chr11	8283394	-0.2381	-2.33129	0.020906	0.891498
cg199319						
75	chr3	1.72E+08	-0.38255	-2.33694	0.020602	0.891498
cg058470						
60	chr14	22457536	0.396591	2.334064	0.020756	0.891498
cg162427						
08	chr19	40596726	0.164343	2.340483	0.020414	0.891498
cg105360						
76	chr5	83017921	0.218137	2.335195	0.020696	0.891498
cg042656						
03	chr7	1.59E+08	-0.22143	-2.33063	0.020941	0.891498
cg106520						
91	chr2	2.42E+08	0.217181	2.333057	0.02081	0.891498
cg220312						
89	chr2	1.89E+08	-0.37816	-2.33575	0.020666	0.891498
cg009152						
06	chr2	1.72E+08	0.244248	2.341395	0.020366	0.891498



cg098671							
15	chr1	2.47E+08		0.297407	2.329731	0.02099	0.891498
cg259570			DNAH10;TCTN2;				
92	chr12	1.23E+08	WDR66;LRRC43	0.26925	2.332536	0.020839	0.891498
cg260677							
60	chr10	1.01E+08		0.406275	2.335864	0.02066	0.891498
cg064114							
34	chr16	712254		-0.28305	-2.33381	0.02077	0.891498
cg117592							
88	chr21	46696759		-0.2785	-2.33405	0.020757	0.891498
cg004998							
31	chr1	34627314		-0.23242	-2.33902	0.020491	0.891498
cg013236							
72	chr3	49700451	MON1A	0.287836	2.337556	0.02057	0.891498
ch.9.2473							
665R	chr9	1.39E+08		-0.34222	-2.33585	0.020661	0.891498
cg082334							
48	chr14	21978798		0.210349	2.335862	0.02066	0.891498
cg058096							
68	chr7	35301188		0.359859	2.334077	0.020756	0.891498
cg028874							
99	chr6	26158339		0.326247	2.333481	0.020788	0.891498
cg005998							
12	chr1	1385047		-0.33355	-2.33864	0.020512	0.891498
cg272691							
96	chr16	87584503		-0.3327	-2.33321	0.020802	0.891498
cg020326							
96	chr14	67982198		-0.13351	-2.33466	0.020724	0.891498
cg158912							
68	chr14	95236612		0.276386	2.330533	0.020947	0.891498
cg152891							
90	chr6	28831544		-0.21487	-2.33154	0.020892	0.891498
cg029009							
78	chr3	42727843		0.250046	2.333488	0.020787	0.891498
cg023831							
30	chr7	38670957		0.316224	2.334124	0.020753	0.891498
cg184110							
55	chr7	4796655		0.269973	2.334431	0.020737	0.891498
cg210734							
59	chr19	54604098	MBOAT7	-0.21003	-2.33869	0.020509	0.891498
cg024900							
34	chr7	1.3E+08		0.273198	2.338968	0.020494	0.891498
cg190037							
97	chr6	1.38E+08		0.28118	2.335276	0.020691	0.891498
cg079207							
39	chr12	1.02E+08		0.145194	2.338358	0.020527	0.891498

cg186841			HOXB4;TTLL6;H				
42	chr17	46682394	OXB-AS2	0.45371	2.332705	0.020829	0.891498
cg209118							
31	chr16	863884		0.316089	2.33284	0.020822	0.891498
cg257079							
45	chr10	3147707		0.297172	2.337353	0.02058	0.891498
cg120626							
39	chr20	23401060		-0.25563	-2.33561	0.020673	0.891498
cg244548							
29	chr11	22363053		0.278508	2.334224	0.020748	0.891498
cg001444							
14	chr16	89203153		0.243465	2.339595	0.020461	0.891498
cg134707							
19	chr7	1.57E+08		-0.30357	-2.32987	0.020983	0.891498
cg204268							
60	chr19	19248839		-0.28391	-2.33821	0.020535	0.891498
cg140866							
42	chr15	40987279		-0.14172	-2.33199	0.020868	0.891498
cg091947							
55	chr16	68298776		0.280035	2.331155	0.020913	0.891498
cg134623							
87	chr18	10471657		0.215796	2.331593	0.020889	0.891498
cg197254							
74	chr14	51172257		-0.18644	-2.33457	0.020729	0.891498
cg274221							
41	chr13	67803251	PCDH9	0.38778	2.33552	0.020678	0.891498
cg146321							
40	chr12	16758112		0.279787	2.335859	0.02066	0.891498
cg161227							
07	chr2	1.28E+08	BIN1	0.263503	2.33034	0.020957	0.891498
cg156033							
54	chr11	1.08E+08		0.353763	2.331635	0.020887	0.891498
cg053450							
39	chr1	43401889		-0.52172	-2.32976	0.020988	0.891498
cg002844							
20	chr16	87311948	SLC7A5	-0.60462	-2.3368	0.02061	0.891498
cg191084							
32	chr5	1.72E+08	BNIP1	-0.19761	-2.32875	0.021043	0.891498
cg126722							
26	chr5	1.57E+08		-0.15274	-2.33971	0.020455	0.891498
cg082857							
68	chr15	86038622		0.388165	2.330516	0.020948	0.891498
cg178028							
47	chr2	2.02E+08		0.278731	2.331084	0.020917	0.891498

			IK;CYSTM1;ZMA T2;PCDHGC3;PC DHGA5;PCDHGA 6;PCDHAC1;PCD HB18;NRG2;PCD HGB2;PCDHGA2; PCDHGA12;PCD HB1;FCHSD1;ND UFA2;PCDHGA4; TMCO6;PCDHGB 7;PCDHB9;PCDH					
cg253192	33	chr5	1.4E+08	GA11;PCDHB12	-0.41383	-2.33944	0.02047	0.891498
cg046461	86	chr15	27215757		0.301903	2.332567	0.020837	0.891498
cg215827	80	chr11	59327931		-0.2739	-2.33287	0.020821	0.891498
cg076263	66	chr7	40939069		0.322045	2.332663	0.020832	0.891498
cg144124	90	chr11	77880406	MYO7A	0.381461	2.334117	0.020753	0.891498
cg023888	65	chr1	26737318	CD52;ZNF683	0.292799	2.332074	0.020863	0.891498
cg052335	76	chr19	55810285		0.26939	2.331985	0.020868	0.891498
cg256353	52	chr3	1.61E+08		0.345443	2.331522	0.020893	0.891498
cg079494	33	chr17	75084627	CYGB	-0.19938	-2.3311	0.020916	0.891498
cg003797	20	chr19	23185968		0.458913	2.333564	0.020783	0.891498
cg260425	14	chr1	1425726		-0.33413	-2.33011	0.02097	0.891498
cg016708	62	chr7	64041980		-0.23266	-2.33091	0.020926	0.891498
cg007362	01	chr12	1.09E+08	USP30	-0.30033	-2.32748	0.021113	0.891498
cg158988	59	chr2	75825250		-0.35766	-2.33884	0.020501	0.891498
cg260339	08	chr1	2213966		-0.24508	-2.33648	0.020627	0.891498

cg132351							
60	chr7	1.3E+08		-0.16726	-2.33031	0.020959	0.891498
cg232227							
17	chr6	46462509		-0.25535	-2.33596	0.020655	0.891498
cg098903							
32	chr17	3212495	RYKP1	-0.32286	-2.32994	0.020979	0.891498
			NAP1L4;TSPAN3				
cg058947			2;IGF2;MRPL23;				
19	chr11	1989899	MOB2	-0.36904	-2.32999	0.020976	0.891498
cg044714							
09	chr6	1.67E+08		-0.25317	-2.33311	0.020808	0.891498
cg157533							
81	chr1	1.1E+08		-0.22442	-2.33432	0.020742	0.891498
cg086673							
88	chr13	1.14E+08		-0.27394	-2.33675	0.020613	0.891498
cg194552							
92	chr2	2.14E+08		-0.30551	-2.33648	0.020627	0.891498
cg087437							
94	chr6	30656577	TRIM39	-0.25439	-2.32741	0.021116	0.891498
cg087906							
76	chr17	15686438		0.312946	2.32869	0.021047	0.891498
cg108038							
29	chr17	7690246		-0.41017	-2.33095	0.020924	0.891498
cg215079							
85	chr3	1.5E+08		-0.39914	-2.33072	0.020936	0.891498
cg062252							
42	chr11	1.25E+08		-0.2903	-2.33069	0.020938	0.891498
cg107599							
83	chr8	52290144		-0.26984	-2.32927	0.021015	0.891498
cg011192							
78	chr6	1.11E+08		0.503053	2.333469	0.020788	0.891498
cg121520							
02	chr14	57279496		0.316201	2.333257	0.0208	0.891498
cg205049							
25	chr10	1.26E+08		-0.35222	-2.33207	0.020864	0.891498
cg115934							
82	chr3	1.19E+08		0.173626	2.33283	0.020823	0.891498
cg171779							
95	chr1	70035846		0.439699	2.330358	0.020956	0.891498
cg195635							
74	chr17	81050693		-0.25005	-2.33476	0.020719	0.891498
cg227498							
10	chr17	78237389		-0.40545	-2.33355	0.020784	0.891498
cg119531							
64	chr1	23521307		-0.27082	-2.33269	0.02083	0.891498
cg059174							
16	chr14	70826434		0.212086	2.33811	0.02054	0.891498

cg032826							
00	chr3	1.3E+08	PLXND1	-0.31488	-2.33154	0.020892	0.891498
cg129240							
95	chr5	1.51E+08	ANXA6;SPARC	0.363803	2.329	0.02103	0.891498
cg207430							
65	chr4	53588673		-0.21665	-2.33714	0.020592	0.891498
cg087653							
01	chr14	1.05E+08		-0.35116	-2.32614	0.021186	0.891498
cg214287							
10	chr12	47219797		0.506208	2.328516	0.021056	0.891498
cg074242							
95	chr10	92980030	HECTD2	0.231136	2.33963	0.020459	0.891498
cg162153							
87	chr7	1407471		0.387028	2.328277	0.021069	0.891498
cg121537							
94	chr12	1.15E+08		0.396392	2.327312	0.021122	0.891498
cg233450							
04	chr18	44526430		0.452204	2.329144	0.021022	0.891498
cg079989							
51	chr7	1.52E+08		0.286133	2.32904	0.021028	0.891498
cg118558							
34	chr1	1.17E+08		-0.28195	-2.32994	0.020979	0.891498
cg033920							
38	chr12	48152951		-0.14361	-2.32922	0.021018	0.891498
cg042717							
82	chr7	1.05E+08		0.179998	2.330715	0.020937	0.891498
cg080994							
31	chr15	61346347		0.332984	2.33451	0.020732	0.891498
cg139564							
43	chr9	1.37E+08		-0.25259	-2.33156	0.020891	0.891498
cg055321							
08	chr4	2845444		-0.14636	-2.33284	0.020822	0.891498
cg101336							
30	chr11	10563302		0.297221	2.333755	0.020773	0.891498
cg201547			ENSG000001758				
43	chr19	9786077	98	0.284123	2.334608	0.020727	0.891498
cg065292							
01	chr17	8028735		0.29895	2.334369	0.02074	0.891498
cg116779							
66	chr7	63226793		-0.26875	-2.33034	0.020957	0.891498
cg253332							
57	chr4	41217803		-0.28526	-2.32571	0.021209	0.891541
cg068941							
46	chr20	62595859		-0.23359	-2.33578	0.020664	0.891498
cg052267							
29	chr8	11839780	MTMR9	-0.3499	-2.33038	0.020955	0.891498
cg252668							
88	chr11	2482594		0.242173	2.334117	0.020753	0.891498
cg142398							
11	chr4	1.71E+08		0.313645	2.333859	0.020767	0.891498

cg219301							
18	chr5	1.41E+08		0.382609	2.331103	0.020916	0.891498
			SDF2;RPL23A;RP				
cg267121			S7P1;POLDIP2;KI				
88	chr17	26117815	AA0100	-0.28091	-2.32714	0.021131	0.891498
cg052245							
73	chr2	2.38E+08		-0.3444	-2.32792	0.021089	0.891498
cg034947							
95	chr9	1.34E+08		0.163531	2.331805	0.020878	0.891498
cg216823							
82	chr1	32538052		0.233643	2.332042	0.020865	0.891498
cg260069							
51	chr5	1295988	PDCD6	0.26292	2.330019	0.020975	0.891498
cg048970							
44	chr11	27236851		-0.26043	-2.33233	0.02085	0.891498
cg230158							
97	chr19	48103819		-0.19271	-2.32967	0.020994	0.891498
cg005667							
59	chr18	28682345		-0.3671	-2.3259	0.021199	0.891498
cg187948							
54	chr12	39300668		0.223171	2.328695	0.021046	0.891498
cg170343							
31	chr5	77146318	AP3B1	0.282683	2.335241	0.020693	0.891498
cg194267							
31	chr19	49992527		-0.34092	-2.33279	0.020825	0.891498
cg266974							
24	chr17	79190828		-0.23888	-2.32734	0.02112	0.891498
cg095564							
47	chr6	36927100		0.467812	2.325113	0.021242	0.891686
cg007021							
26	chr1	1369793	SSU72;ANKRD65	0.238026	2.333555	0.020784	0.891498
cg026421							
23	chr11	31836334		0.25496	2.335957	0.020655	0.891498
cg239311							
50	chr10	54114224		0.386142	2.327412	0.021116	0.891498
cg103187							
44	chr14	69282256		-0.34721	-2.33393	0.020764	0.891498
cg219434							
16	chr4	1.44E+08		0.346884	2.333752	0.020773	0.891498
cg027268							
19	chr7	1.59E+08		-0.24593	-2.32924	0.021017	0.891498
cg053271							
87	chr15	25314390		-0.17374	-2.33308	0.020809	0.891498
cg008495							
70	chr1	3162104	SKI;CEP104	-0.24954	-2.32886	0.021038	0.891498
cg196803							
88	chr11	1.34E+08		0.222274	2.327622	0.021105	0.891498

cg020048							
45	chr5	31194156		-0.17295	-2.33046	0.020951	0.891498
cg182552							
40	chr15	27111993		0.283817	2.326128	0.021186	0.891498
cg047148							
77	chr7	38217832		-0.17122	-2.32986	0.020983	0.891498
cg062648							
79	chr6	31827971	PRRT1	0.277503	2.331763	0.02088	0.891498
cg016881							
41	chr8	23539808		-0.20256	-2.3302	0.020965	0.891498
cg117783							
62	chr4	1.84E+08		0.27527	2.331475	0.020896	0.891498
cg217696							
19	chr11	32454768		0.215905	2.327565	0.021108	0.891498
cg113786							
19	chr6	12164359		-0.29414	-2.32801	0.021084	0.891498
cg043692							
91	chr6	1.37E+08		0.16037	2.329087	0.021025	0.891498
cg149783							
07	chr7	1.55E+08		0.18336	2.327123	0.021132	0.891498
cg178127			KRT19;JUP;KRT1				
88	chr17	40333009	3;PSME3	0.263767	2.333637	0.020779	0.891498
cg106998							
52	chr3	1.96E+08		-0.33073	-2.32921	0.021018	0.891498
cg247764			ANO1;TPCN2;M				
07	chr11	69061634	TL5	0.311905	2.338973	0.020494	0.891498
cg020890							
14	chr2	925838		-0.25305	-2.3309	0.020927	0.891498
cg251163							
88	chr17	46692422		0.403251	2.329784	0.020987	0.891498
cg003434							
14	chr11	1.09E+08		0.386084	2.33234	0.020849	0.891498
cg075933			NFKBIE;TBCC;RR				
42	chr6	43624980	P36;MRPL14;MA	-0.18785	-2.32966	0.020994	0.891498
cg250445			D2L1BP				
24	chr17	20058819		0.362672	2.342274	0.02032	0.891498
cg079475							
49	chr10	53459378	ASAH2B	0.215413	2.33054	0.020946	0.891498
cg112618							
50	chr11	76320970		-0.31489	-2.32588	0.0212	0.891498
cg005616			FTO;IRX3;CRNDE				
34	chr16	54085398	;IRX5;FTO-IT1	0.339436	2.329468	0.021004	0.891498

cg235296							
99	chr12	83079969		0.197213	2.325506	0.02122	0.891541
cg209652							
55	chr17	37607625		0.145206	2.333318	0.020796	0.891498
cg025150							
33	chr7	2205283		0.30967	2.3317	0.020884	0.891498
cg072639							
84	chr5	1.15E+08		0.300102	2.329008	0.021029	0.891498
cg076979							
81	chr19	58125678		0.234385	2.329879	0.020982	0.891498
cg143697							
80	chr7	1.55E+08		-0.24628	-2.32945	0.021005	0.891498
cg032434							
97	chr6	31620040		0.231529	2.328659	0.021048	0.891498
cg129138							
32	chr14	23250215	REM2	-0.22321	-2.32765	0.021103	0.891498
cg180990			ENSG000002319				
70	chr7	1.58E+08	80	-0.43624	-2.33074	0.020936	0.891498
cg251418							
94	chr1	1.15E+08		0.365334	2.333756	0.020773	0.891498
cg037718							
40	chr6	30140145		0.320877	2.328006	0.021084	0.891498
cg047014							
73	chr1	1.61E+08		-0.18101	-2.3268	0.02115	0.891498
cg065937							
15	chr3	42814427		0.412946	2.329668	0.020994	0.891498
cg188035							
35	chr1	92015933		0.271231	2.32836	0.021065	0.891498
cg084198							
73	chr13	27296010		0.539971	2.32709	0.021134	0.891498
cg191675							
07	chr6	32764867	DAXX	-0.21934	-2.33009	0.02097	0.891498
cg038019							
46	chr16	4303664		-0.2745	-2.32937	0.02101	0.891498
cg208441							
46	chr6	1.26E+08		-0.31379	-2.32883	0.021039	0.891498
cg026060							
58	chr16	67195658	CES3;RLTPR	0.416147	2.331006	0.020921	0.891498
cg065955							
95	chr18	11751352		0.231149	2.331175	0.020912	0.891498
cg183492							
81	chr19	4944398		-0.22223	-2.32705	0.021136	0.891498
cg085515			ENSG000002358				
47	chr10	82619196	58	-0.21121	-2.32708	0.021135	0.891498
cg256121							
83	chr2	39893438		0.252706	2.329861	0.020983	0.891498
cg021979							
38	chr17	65363257		-0.35596	-2.32628	0.021178	0.891498
cg126395							
58	chr12	1.22E+08		0.195566	2.328384	0.021063	0.891498



cg038978							
60	chr5	1.4E+08		0.500301	2.323767	0.021316	0.8922
cg081329							
40	chr7	1081526		-0.31372	-2.33033	0.020958	0.891498
cg217548							
37	chr6	1.66E+08		-0.34359	-2.32604	0.021191	0.891498
cg143146							
53	chr6	1.06E+08		-0.16486	-2.3301	0.02097	0.891498
cg093121							
49	chr5	1.15E+08		0.252633	2.32932	0.021012	0.891498
cg068781			ENSG000002602				
08	chr14	1.05E+08	85	-0.33114	-2.3277	0.021101	0.891498
cg037674							
75	chr19	18902727		0.233236	2.324638	0.021268	0.892034
cg195324							
54	chr3	46876354		0.240455	2.329067	0.021026	0.891498
cg047649							
07	chr10	1.27E+08		0.283755	2.326297	0.021177	0.891498
cg146065							
86	chr10	1.25E+08		0.508614	2.329309	0.021013	0.891498
cg076026			WDR45B;PCYT2;				
59	chr17	80844196	TBCD	0.279828	2.334821	0.020716	0.891498
cg073433							
35	chr1	1.08E+08		0.302048	2.336146	0.020645	0.891498
cg133022			RNF166;ENSG00				
17	chr16	88601529	000261226;PIEZ				
cg062174			O1;CBFA2T3	-0.21466	-2.33067	0.020939	0.891498
50	chr3	1.42E+08		-0.29229	-2.33207	0.020863	0.891498
cg244143			FKBP10;IGFBP4;				
44	chr17	39019556	NT5C3B;LEPREL4				
cg253906			;GSDMB	0.368714	2.331172	0.020912	0.891498
56	chr10	92980550		-0.2134	-2.32628	0.021178	0.891498
cg035861							
28	chr13	1.13E+08		-0.26447	-2.32752	0.02111	0.891498
cg275323							
18	chr7	32358331		0.439321	2.328583	0.021052	0.891498
cg109145							
55	chr10	99531645		0.342795	2.338158	0.020537	0.891498
cg152020							
06	chr8	68658566		-0.33642	-2.32786	0.021092	0.891498
cg214772							
62	chr12	22777430		0.261526	2.3278	0.021095	0.891498

cg101391							
51	chr6	29549352		-0.21888	-2.32808	0.02108	0.891498
cg076731							
03	chr8	74277181		0.210244	2.331369	0.020901	0.891498
cg093475							
78	chr7	6584987		0.216674	2.329303	0.021013	0.891498
cg189074							
95	chr17	53828548		0.204717	2.329553	0.021	0.891498
cg230978							
26	chr5	1.5E+08		-0.41754	-2.33485	0.020714	0.891498
cg265097							
31	chr6	80578590		0.388868	2.332568	0.020837	0.891498
ch.6.1075							
78927F	chr6	1.07E+08	SCML4;PRDM1	-0.24782	-2.34373	0.020243	0.891498
cg022183							
94	chr12	53694018		-0.2795	-2.32654	0.021164	0.891498
cg096410							
89	chr15	25021305		-0.33265	-2.32595	0.021196	0.891498
cg204619							
12	chr3	1.39E+08	MRAS	0.197134	2.331397	0.0209	0.891498
cg270703							
72	chr19	3123291		-0.21651	-2.32536	0.021228	0.891668
cg032423							
60	chr19	46010633		-0.1471	-2.32858	0.021053	0.891498
cg274407							
15	chr1	1.65E+08		0.314221	2.326716	0.021154	0.891498
cg163473							
59	chr16	56764344		-0.19882	-2.32721	0.021128	0.891498
cg023866							
65	chr5	53432372		0.393155	2.327777	0.021096	0.891498

			GALNT16;ENSG0				
			0000242941;EN				
			SG000000245466				
			;COX16;KIAA024				
			7;ENSG00000025				
cg021750							
33	chr14	70098523	8623	0.327417	2.334046	0.020757	0.891498
cg002584							
99	chr1	5920035		-0.23565	-2.32505	0.021246	0.891686
cg061525							
86	chr7	1.58E+08	VIPR2	-0.72074	-2.32388	0.021309	0.8922
cg182086							
02	chr18	10488229		-0.32964	-2.33185	0.020876	0.891498
cg248900							
23	chr2	61764444		0.276651	2.327298	0.021122	0.891498
cg276037							
20	chr17	25807344		0.234158	2.321593	0.021436	0.892531

cg130371							
18	chr11	66743220		-0.21762	-2.32438	0.021282	0.892034
cg067257			PLXND1;COPG1; RPN1;ENSG0000				
98	chr3	1.29E+08	0203644	-0.32119	-2.32665	0.021158	0.891498
cg097914							
40	chr1	19048903		0.360923	2.323445	0.021333	0.8922
cg024152							
97	chr1	3553416		-0.28025	-2.32805	0.021081	0.891498
cg216082							
25	chr1	1.45E+08	LIX1L	0.388648	2.328225	0.021072	0.891498
cg001189							
66	chr1	1.57E+08		0.294378	2.323519	0.021329	0.8922
cg253126			TAP2;PSMB8;TA				
36	chr6	33141678	P1	-0.2922	-2.32437	0.021283	0.892034
cg040482							
49	chr11	1.17E+08		-0.20904	-2.32639	0.021172	0.891498
cg223159			PARP15;PARP14;				
28	chr3	1.23E+08	PARP9	-0.31424	-2.32324	0.021345	0.8922
cg145573							
90	chr15	41783457		0.2304	2.328021	0.021083	0.891498
cg003501							
99	chr11	67418213		-0.26679	-2.32771	0.0211	0.891498
cg062124							
71	chr4	72458478		-0.29977	-2.32553	0.021219	0.891541
cg152030			TSPAN4;TALDO1 ;ENSG00000251 661;MUC5AC;PK				
28	chr11	1029188	P3;RASSF7	-0.36594	-2.33195	0.02087	0.891498
cg038281							
09	chr17	3600356		0.201454	2.324062	0.0213	0.8922
cg047282							
90	chr14	72887678		0.316844	2.327822	0.021094	0.891498
cg044662							
73	chr12	64845556		-0.25116	-2.32477	0.021261	0.89197
cg060446							
62	chr16	30386144		-0.22808	-2.32686	0.021147	0.891498
cg155364							
89	chr7	1120860		-0.22	-2.32562	0.021214	0.891541
cg155650							
65	chr17	46655476		0.243756	2.331648	0.020886	0.891498

cg104930			DEGS2;EML1;ME G3;MEG8;ENSG0 0000271417;HHI PL1;CCDC85C;BE GAIN;ENSG0000 0225746;RTL1;B CL11B;SLC25A29				
75	chr14	1.01E+08	;WARS;WDR25	0.385083	2.341923	0.020338	0.891498
cg037206							
05	chr6	1.34E+08		-0.41148	-2.33371	0.020776	0.891498
cg129277							
53	chr3	1.61E+08		0.284796	2.330733	0.020936	0.891498
cg146081							
80	chr9	1.4E+08	FAM166A	-0.21972	-2.32615	0.021185	0.891498

cg142416			NLGN2;BCL6B;V AMP2;CTC1;ALO X12P2;MIR497H G;SLC2A4;ENSG0 0000263316;KIA				
62	chr17	7199284	A0753;PFAS	0.346385	2.322041	0.021411	0.8922
cg121272							
82	chr2	1.77E+08		0.319073	2.325948	0.021196	0.891498
cg110972							
49	chr5	1.67E+08		0.269034	2.324478	0.021277	0.892034
cg040563							
43	chr16	7137080		-0.26464	-2.32267	0.021376	0.8922
cg173767							
30	chr19	2096346		-0.19013	-2.32728	0.021123	0.891498
cg080519							
64	chr15	25330341		-0.19411	-2.32505	0.021245	0.891686
cg151746							
82	chr19	5132063	SEMA6B;TICAM1	0.269362	2.32603	0.021192	0.891498
cg105297							
60	chr5	1.37E+08	GFRA3	-0.26165	-2.32185	0.021422	0.892326
cg073520							
54	chr7	1.57E+08	DNAJB6	-0.56648	-2.3269	0.021144	0.891498
cg067198							
73	chr12	70133599	CPSF6	0.36605	2.326745	0.021153	0.891498

cg025011							
86	chr17	72869935		0.205719	2.333765	0.020772	0.891498
cg245579							
17	chr4	1.66E+08 CPE		-0.32859	-2.33542	0.020684	0.891498
cg156396							
59	chr5	1.63E+08		-0.33857	-2.3223	0.021396	0.8922
cg085970							
19	chr16	89900495 SPIRE2;CBFA2T3		-0.66021	-2.32688	0.021145	0.891498
cg160273							
10	chr11	48019123		0.272914	2.326728	0.021154	0.891498
cg255106							
09	chr15	86233236		0.264231	2.328694	0.021046	0.891498
cg048623							
14	chr1	27692533		-0.18088	-2.32329	0.021342	0.8922
cg183260							
21	chr10	1.06E+08		0.323659	2.32577	0.021206	0.891541
cg240995							
92	chr6	1397401		-0.19851	-2.31999	0.021524	0.892892
cg018824							
98	chr4	83934956		-0.46598	-2.32552	0.02122	0.891541
cg099923							
50	chr7	1.58E+08		-0.49357	-2.32789	0.02109	0.891498
cg236202							
28	chr1	1.98E+08		-0.21191	-2.32548	0.021222	0.891541
cg002949							
40	chr1	48687524		-0.20862	-2.33616	0.020644	0.891498
cg257008							
48	chr6	7911417		0.307001	2.330105	0.02097	0.891498
cg263443							
92	chr1	1.68E+08		-0.39655	-2.31814	0.021627	0.892892
cg040990							
36	chr17	80819208		-0.3994	-2.32436	0.021283	0.892034
cg208407							
78	chr17	79842807		0.2058	2.323299	0.021342	0.8922
cg089817							
77	chr19	48497737		0.350455	2.326854	0.021147	0.891498
cg213429							
94	chr2	68251599		-0.52259	-2.32242	0.02139	0.8922

			CNGA4;ARFIP2;T				
cg166493			IMM10B;TRIM5;				
75	chr11	5535624 TRIM68;APBB1		-0.19912	-2.32675	0.021152	0.891498
cg023521			DQX1;MTHFD2;S				
81	chr2	74058083 TAMBP		-0.42466	-2.32177	0.021426	0.892427
cg161899							
53	chr18	76674571		0.534763	2.319833	0.021533	0.892892

cg051932							
11	chr8	82633727		0.316113	2.32875	0.021043	0.891498
cg274905							
68	chr2	1.78E+08		-0.56806	-2.32485	0.021257	0.89197
cg004209							
97	chr8	29607076		0.345286	2.328507	0.021057	0.891498
cg028153							
20	chr7	1.39E+08		-0.20591	-2.32425	0.021289	0.892034
cg044515							
64	chr3	1.86E+08 RFC4		-0.24282	-2.32357	0.021327	0.8922
cg099213							
92	chr16	88763929		0.328081	2.32601	0.021193	0.891498
cg146154							
40	chr1	14220122		-0.26237	-2.32468	0.021266	0.892034
cg201188							
40	chr11	1.2E+08 MCAM;CBL		-0.33121	-2.32374	0.021317	0.8922
cg185307							
29	chr8	30514814		0.230688	2.324929	0.021252	0.891868
cg051239			HOXB3;ITGB3;H				
76	chr17	45949677 OXB6		-0.23385	-2.32243	0.02139	0.8922
			ENSG000001630				
			75;STEAP3;STEAP3-				
			AS1;ENSG00000229326;TMEM3				
cg110097							
36	chr2	1.2E+08 7		-0.41182	-2.32152	0.021439	0.892531
cg121585							
35	chr14	1.06E+08		-0.22313	-2.32421	0.021292	0.892044
cg174706							
74	chr5	1702470		0.445735	2.325892	0.021199	0.891498
cg187811							
33	chr17	66031513		0.182768	2.325492	0.021221	0.891541
cg241704							
15	chr4	1.86E+08		0.201233	2.320494	0.021496	0.892849
cg156076							
72	chr14	57277227		0.369075	2.326462	0.021168	0.891498
cg030024							
28	chr4	1.74E+08		-0.23493	-2.3303	0.020959	0.891498
cg136382							
57	chr6	33280436		0.330258	2.322553	0.021383	0.8922
cg077587							
38	chr18	12911528		0.329676	2.319779	0.021536	0.892892
cg196070			ENSG000002294				
92	chr19	38904860 81		0.24347	2.32328	0.021343	0.8922
cg165422							
83	chr4	76439453		-0.20038	-2.32922	0.021018	0.891498

cg195809							
30	chr5	1.15E+08		-0.384	-2.31958	0.021547	0.892892
cg246639							
70	chr13	97647084		-0.35675	-2.32646	0.021168	0.891498
cg133785							
63	chr2	95978247	PROM2	-0.23995	-2.32268	0.021376	0.8922
cg118842							
30	chr6	1.17E+08		-0.19958	-2.32725	0.021125	0.891498
MFGE8;ABHD2;K							
cg120177			IF7;NTRK3;ISG20				
22	chr15	89181425	;HAPLN3	-0.38685	-2.327	0.021139	0.891498
cg116015							
23	chr5	2756361		-0.22148	-2.32104	0.021466	0.8927
cg040141							
05	chr6	1.11E+08		0.21509	2.327584	0.021107	0.891498
cg071492							
96	chr20	36889389		0.356657	2.328629	0.02105	0.891498
cg004645							
19	chr9	37034655		0.26888	2.326614	0.02116	0.891498
cg075283							
49	chr7	1.5E+08		-0.17226	-2.3212	0.021457	0.892672
SRD5A1;NSUN2;							
cg022024			ENSG000002725				
11	chr5	6338418	20	-0.4569	-2.32135	0.021449	0.892605
cg100637							
53	chr10	1.21E+08	CASC2	-0.1731	-2.33192	0.020872	0.891498
cg051571							
40	chr7	1272545		0.455295	2.322166	0.021404	0.8922
cg140787							
30	chr11	63896557		-0.17762	-2.32201	0.021412	0.8922
cg052217							
20	chr6	70991229	C6orf57	0.358259	2.321411	0.021446	0.892545
cg091752							
21	chr16	51973520		-0.31412	-2.32816	0.021076	0.891498
cg041567							
29	chr2	2.41E+08		0.35544	2.3261	0.021188	0.891498
cg192456							
16	chr19	18319787		0.255114	2.320444	0.021499	0.892849
cg005350							
27	chr4	8593933		-0.22142	-2.31719	0.02168	0.893128
cg047982							
73	chr14	1E+08		0.219187	2.319946	0.021527	0.892892
cg004008							
32	chr7	96650323		0.355694	2.32158	0.021436	0.892531
cg141050							
18	chr9	1.32E+08		0.310118	2.326439	0.021169	0.891498

cg048120							
17	chr14	95660504		-0.23017	-2.31937	0.021558	0.892892
cg240352							
45	chr1	1.2E+08 ZNF697		0.334697	2.322257	0.021399	0.8922
cg170478							
90	chr3	99567697		-0.24804	-2.31808	0.02163	0.892892
cg066531							
41	chr5	36745541		0.279956	2.320363	0.021504	0.892874
cg174917							
59	chr6	1.01E+08		0.3806	2.327485	0.021112	0.891498
cg111950							
02	chr19	10399805		-0.2654	-2.31804	0.021633	0.892892
ch.1.3439							
660F	chr1	1.76E+08		0.329076	2.320432	0.0215	0.892849
cg081915							
30	chr19	17927333		-0.21627	-2.31893	0.021583	0.892892
cg198604							
59	chr17	80352319 DCXR		0.254674	2.322995	0.021358	0.8922
cg137626							
76	chr7	98545991		0.301397	2.321424	0.021445	0.892545
cg163625							
87	chr1	3812878		-0.21517	-2.31728	0.021675	0.893128
cg059654							
17	chr12	9102994 CD69		0.438712	2.322736	0.021373	0.8922
cg274501							
67	chr2	1.35E+08		-0.39802	-2.32272	0.021374	0.8922
ch.9.1678							
974F	chr9	1.12E+08		0.362402	2.322073	0.021409	0.8922
cg173793							
45	chr11	5067927		0.439081	2.322754	0.021372	0.8922
cg068829							
71	chr20	23346416		-0.35851	-2.32454	0.021273	0.892034
cg253621							
69	chr19	18237920		-0.27168	-2.31893	0.021583	0.892892
cg261729							
07	chr11	64851495		-0.14316	-2.31876	0.021593	0.892892
cg256181							
49	chr14	78227574		-0.28005	-2.32209	0.021408	0.8922
cg048227							
59	chr7	1.49E+08		0.222408	2.319272	0.021564	0.892892

			S100A16;S100A1				
			4;S100A2;S100A				
cg020604			9;S100A3;S100A				
65	chr1	1.53E+08	8;S100A10	-0.28731	-2.32524	0.021235	0.891671
cg019639							
33	chr16	10723613		-0.2287	-2.31793	0.021639	0.892892



cg026478							
74	chr11	47380751	MYBPC3	-0.25219	-2.32435	0.021284	0.892034
cg053807							
41	chr3	58291844		-0.15321	-2.32621	0.021182	0.891498
cg053045							
53	chr1	1.54E+08	S100A16	-0.28796	-2.32233	0.021395	0.8922
cg035283							
02	chr1	1104399	RNF223	0.280634	2.319455	0.021554	0.892892
cg120265							
29	chr6	99128672		-0.31659	-2.31978	0.021536	0.892892
cg265042							
74	chr11	2485409		0.259301	2.325852	0.021201	0.891498
cg264334							
45	chr16	81764289		0.226456	2.319917	0.021528	0.892892
cg034088							
93	chr10	15130909		0.20292	2.324253	0.021289	0.892034
cg079160							
22	chr2	1.33E+08		0.701096	2.323868	0.02131	0.8922
cg123094							
56	chr17	74475402		-0.27342	-2.32107	0.021465	0.8927
cg176839							
08	chr10	1.06E+08		-0.27404	-2.31926	0.021565	0.892892
cg019912			ENSG000002670				
34	chr19	16013809	56;CYP4F11	-0.43364	-2.32281	0.021368	0.8922
cg161459			ZFAND2A;ENSG0				
15	chr7	1198662	0000229043	-0.41948	-2.31898	0.021581	0.892892
cg043923							
87	chr2	3502446		-0.36363	-2.3221	0.021408	0.8922
cg057360							
79	chr9	1.4E+08		0.34315	2.32793	0.021088	0.891498
cg068449							
36	chr12	1.21E+08		0.266679	2.322805	0.021369	0.8922
cg072888							
69	chr11	45826537		-0.13603	-2.31826	0.021621	0.892892
cg166580							
99	chr17	30593805		0.164889	2.322466	0.021387	0.8922
cg108416							
73	chr20	49575318		-0.33802	-2.3227	0.021375	0.8922
cg059723							
16	chr5	1204924		0.27513	2.322121	0.021406	0.8922
cg067379							
26	chr6	33363179		0.185643	2.321591	0.021436	0.892531
cg177614							
10	chr7	1.48E+08		-0.27012	-2.31961	0.021545	0.892892
cg005997							
02	chr1	30584352		0.208307	2.319378	0.021558	0.892892

cg022787							
68	chr15	89910632		0.274468	2.318126	0.021628	0.892892
cg060816							
09	chr6	1.49E+08		0.188118	2.321302	0.021452	0.892611
cg084969							
98	chr7	5822206	RSPH10B	0.259874	2.320631	0.021489	0.892849
cg188339							
94	chr5	34535730		-0.32824	-2.32626	0.021179	0.891498
cg212449							
90	chr7	1.58E+08		-0.26356	-2.32062	0.021489	0.892849
cg222243							
13	chr1	45241523		0.181573	2.318126	0.021628	0.892892
cg123181							
52	chr13	52435351		0.37195	2.319475	0.021553	0.892892
cg248288							
11	chr3	1.2E+08		-0.28175	-2.31917	0.02157	0.892892
cg123317							
43	chr10	1.04E+08		-0.17748	-2.32373	0.021318	0.8922
cg094443							
58	chr8	6932793		0.280003	2.325126	0.021241	0.891686
cg059327							
91	chr6	43138394		0.153588	2.321897	0.021419	0.892298
cg132077							
02	chr1	9005055		-0.18959	-2.32081	0.021479	0.892806
cg225357							
29	chr8	55533955		0.790489	2.316627	0.021711	0.893474
cg001876							
92	chr13	52199954	NEK5	0.462269	2.330389	0.020955	0.891498
cg004101							
06	chr2	2.07E+08		0.443613	2.320565	0.021492	0.892849
cg035863			LTBP3;VEGFB;OT				
90	chr11	64428252	UB1	-0.46261	-2.32215	0.021405	0.8922
cg016208							
49	chr17	48637348		-0.22606	-2.32457	0.021272	0.892034
cg040320							
71	chr12	54376241		0.198752	2.321269	0.021453	0.892611
cg110357			ENSG000002602				
30	chr14	1.05E+08	85;C14orf79;KIF26A;INF2	-0.45851	-2.32634	0.021175	0.891498
cg141181							
75	chr13	94152384	DCT	-0.45786	-2.32011	0.021518	0.892892
cg141572							
13	chr7	1.07E+08		-0.19121	-2.32545	0.021223	0.891541
cg261756							
49	chr6	34919755		0.259562	2.323768	0.021316	0.8922
cg177325							
97	chr6	30689710		-0.20022	-2.32273	0.021373	0.8922

cg068941							
34	chr6	85476921		0.240627	2.319005	0.021579	0.892892
cg163782							
15	chr1	1.5E+08		-0.20568	-2.32104	0.021466	0.8927
cg205376							
29	chr7	79083944		0.286931	2.319212	0.021567	0.892892
cg052584							
77	chr6	1.7E+08		-0.16065	-2.32396	0.021305	0.8922
cg203171							
23	chr6	1.34E+08	TCF21;TBPL1	0.374301	2.31949	0.021552	0.892892
cg136771							
44	chr19	57683885		0.314856	2.323069	0.021354	0.8922
cg242701							
82	chr8	9046418	TNKS	-0.22883	-2.31786	0.021643	0.892892
cg111302							
23	chr11	538851		0.322588	2.320975	0.02147	0.8927
cg177133							
76	chr6	27525713		0.355422	2.320744	0.021483	0.892849
cg068292							
66	chr16	446668		0.19885	2.316299	0.02173	0.893474
cg181030							
97	chr17	35414317		-0.37835	-2.31809	0.02163	0.892892
cg269489							
07	chr16	86602471		0.166217	2.317674	0.021653	0.892917
cg145211							
15	chr9	1.04E+08		-0.29028	-2.31842	0.021612	0.892892
cg209102							
02	chr8	1922810		-0.34741	-2.31657	0.021715	0.893474
cg025639							
52	chr6	31707803		-0.1713	-2.32255	0.021383	0.8922
cg053848							
87	chr13	83371464		-0.31392	-2.32616	0.021185	0.891498
cg012389			LAPTM4B;C8orf4				
91	chr8	99076314	7	0.359608	2.321546	0.021438	0.892531
cg188058			ATP1A2;USF1;FC				
92	chr1	1.61E+08	GR3B	0.346428	2.318422	0.021611	0.892892
cg181404							
79	chr4	725095	SLBP	-0.25495	-2.32916	0.021021	0.891498
cg046031							
66	chr11	1.34E+08	THYN1	-0.27609	-2.31798	0.021636	0.892892
cg148045							
93	chr4	1.89E+08		0.901595	2.32573	0.021208	0.891541
cg268231							
62	chr19	55792075		0.419853	2.322291	0.021397	0.8922
cg008915							
99	chr11	1.19E+08		-0.30626	-2.32197	0.021415	0.892223
cg193803							
70	chr1	36638232		0.269896	2.317755	0.021649	0.892915

cg092782							
83	chr4	36376970		0.324577	2.318059	0.021632	0.892892
cg013271			UNC13B;STOML				
47	chr9	34371380	2;NOL6;VCP	0.288764	2.31763	0.021655	0.892933
cg079985							
58	chr7	1.51E+08	RHEB	-0.20502	-2.32015	0.021516	0.892892
cg144730							
16	chr22	35937495		0.373754	2.316456	0.021721	0.893474
cg040088							
88	chr11	68622739		-0.15556	-2.3252	0.021237	0.891686
cg111088							
93	chr3	1.43E+08		0.371333	2.318533	0.021605	0.892892
cg004216			SHE;TDRD10;NP				
24	chr1	1.54E+08	R1;ATP8B2;S100				
cg099671			A6;S100A9	-0.40856	-2.31953	0.02155	0.892892
92	chr8	1153004		-0.4809	-2.31524	0.021789	0.893614
cg038587							
56	chr2	1.77E+08		0.341479	2.324039	0.021301	0.8922
cg237426							
69	chr18	13642414		0.292692	2.324544	0.021273	0.892034
cg170223							
28	chr15	77712738		0.230582	2.319243	0.021566	0.892892
cg003472							
47	chr12	1.22E+08	OASL	-0.2268	-2.3179	0.02164	0.892892
cg226821							
54	chr19	57683164	ZNF805	0.503974	2.317853	0.021643	0.892892
cg242154							
59	chr4	1.22E+08		-0.44118	-2.31913	0.021572	0.892892
cg162119							
90	chr12	91763848		-0.24755	-2.3222	0.021402	0.8922
cg226860							
22	chr17	61851232		-0.24804	-2.32277	0.021371	0.8922
cg063145							
70	chr1	1.61E+08	FCER1G;COPA	-0.22268	-2.31575	0.02176	0.893474
cg109519							
33	chr12	1970170		0.264297	2.325282	0.021233	0.891668
cg173131							
18	chr5	1.27E+08		-0.33741	-2.3187	0.021596	0.892892
cg257701							
76	chr10	91405685		0.276141	2.32101	0.021468	0.8927
cg192704							
09	chr8	1430753	TDRP	-0.32961	-2.31871	0.021595	0.892892
cg267296							
69	chr17	79108296		-0.22391	-2.31727	0.021676	0.893128

cg110480							
82	chr11	11177935		-0.30612	-2.31637	0.021726	0.893474
cg274644							
90	chr7	92218972		0.209424	2.319926	0.021528	0.892892
cg225790							
28	chr22	27056901		-0.36043	-2.32048	0.021497	0.892849
cg093797							
55	chr3	62861925		0.291177	2.318319	0.021617	0.892892
cg051503							
62	chr15	80787687		0.229777	2.323676	0.021321	0.8922
cg140176							
55	chr6	1.34E+08		0.23004	2.318488	0.021608	0.892892
cg122833							
93	chr11	1874445 LSP1;IGF2		-0.43354	-2.31784	0.021644	0.892892
cg059927							
26	chr12	41967396		-0.25217	-2.32675	0.021152	0.891498
cg104000							
81	chr11	76299682 LRRC32;MYO7A		0.433615	2.322618	0.021379	0.8922
cg196562							
82	chr2	74742786		0.37858	2.314993	0.021803	0.893614
cg164112							
79	chr5	54826768		0.293909	2.325287	0.021232	0.891668
cg019624							
28	chr4	1.08E+08		0.215296	2.326871	0.021146	0.891498
cg027946							
96	chr17	46758520 TTLL6;LRRC46		-0.26309	-2.3175	0.021663	0.893128
cg112551							
63	chr16	68771200		-0.24911	-2.31717	0.021681	0.893128
cg094864							
06	chr2	2.42E+08 FARP2		0.342872	2.315047	0.0218	0.893614
cg172947							
25	chr7	1272559		0.284592	2.316125	0.021739	0.893474
cg102240							
98	chr1	44873229		0.213954	2.316262	0.021732	0.893474
cg188551							
04	chr2	45181829		-0.26518	-2.31796	0.021637	0.892892
cg034641							
76	chr9	1.4E+08		0.249735	2.326423	0.02117	0.891498
cg138556							
66	chr13	68343971		-0.29653	-2.32057	0.021492	0.892849
cg227682							
96	chr6	4954316		0.301048	2.322234	0.0214	0.8922
cg073286							
64	chr2	2.33E+08 ARMC9;NGEF		0.31362	2.31545	0.021777	0.893474
cg027467							
25	chr2	1.77E+08		0.225134	2.314829	0.021812	0.893614
cg023882							
76	chr6	1.71E+08		-0.27115	-2.31596	0.021749	0.893474
cg243202							
42	chr17	100278		-0.24436	-2.31397	0.021861	0.893665

cg178069						
07	chr2	2.28E+08	-0.1818	-2.31941	0.021556	0.892892
cg069156						
67	chr3	1.28E+08	-0.35837	-2.31277	0.021928	0.893665
cg099557						
30	chr1	93646783	0.382332	2.317191	0.02168	0.893128
cg274006						
44	chr1	27248126	-0.16684	-2.31562	0.021768	0.893474
ch.4.1294						
98779F	chr4	1.29E+08	-0.27526	-2.31642	0.021723	0.893474
cg031520						
37	chr3	50334461	0.223992	2.319367	0.021559	0.892892
cg243226						
38	chr6	30524987	-0.16303	-2.31845	0.02161	0.892892
cg120782						
29	chr19	19245687	0.213533	2.322107	0.021407	0.8922
cg193012						
06	chr2	27712691	0.145653	2.318992	0.02158	0.892892
cg255547						
40	chr10	1.35E+08	-0.22525	-2.319	0.021579	0.892892
cg068013						
84	chr13	1.13E+08	-0.32319	-2.32774	0.021098	0.891498
cg054078						
25	chr18	2571088	-0.17719	-2.31641	0.021723	0.893474
cg062436						
75	chr8	11801365	-0.28249	-2.31835	0.021615	0.892892
cg227578						
24	chr13	1.11E+08	0.317147	2.314578	0.021826	0.893665
cg227219						
98	chr13	1.11E+08	0.527729	2.315501	0.021774	0.893474
cg014050						
40	chr2	1.77E+08	0.316538	2.324259	0.021289	0.892034
cg069433						
09	chr1	1.63E+08	-0.37017	-2.31769	0.021652	0.892917
cg005238						
12	chr7	1.3E+08	0.165544	2.313463	0.021889	0.893665
cg239390						
01	chr4	940644	0.410569	2.32384	0.021312	0.8922
cg220274						
08	chr19	12902453 MAN2B1	-0.15951	-2.31887	0.021586	0.892892
cg126167						
66	chr1	2.05E+08	-0.26392	-2.31563	0.021767	0.893474
cg175100						
03	chr11	1.32E+08	0.292287	2.316227	0.021734	0.893474
cg269007						
81	chr4	47038032	-0.25261	-2.31486	0.02181	0.893614
cg195848						
64	chr3	1.5E+08	0.213002	2.315721	0.021762	0.893474
cg099408						
61	chr14	1.01E+08	-0.29289	-2.32236	0.021393	0.8922

cg059179							
88	chr6	44281197	NFKBIE;SLC29A1	0.232553	2.318761	0.021593	0.892892
cg163455							
07	chr14	1.03E+08		0.127606	2.315466	0.021776	0.893474
cg274594							
37	chr20	37464594		-0.45964	-2.31132	0.02201	0.893665
cg264515							
47	chr11	36397596		-0.21469	-2.32082	0.021478	0.892806
cg211403							
53	chr5	1.79E+08		0.235567	2.317947	0.021638	0.892892
cg250125							
29	chr13	1.14E+08	RASA3	0.28629	2.330028	0.020974	0.891498
cg218750							
96	chr4	4253223		0.278742	2.315507	0.021774	0.893474
cg204602							
53	chr4	1.71E+08		-0.2107	-2.31722	0.021678	0.893128
cg130963							
07	chr22	20747254		-0.32741	-2.31589	0.021753	0.893474
cg163405							
16	chr20	25371408		0.164199	2.317322	0.021673	0.893128
cg144037			LINC00939;BRI3				
41	chr12	1.26E+08	BP	-0.4937	-2.31831	0.021617	0.892892
cg215353							
66	chr12	1.08E+08	CMKLR1	0.236903	2.319304	0.021562	0.892892
cg128544							
83	chr19	11649671		0.28074	2.31288	0.021922	0.893665
cg150328							
97	chr19	16219947		-0.27571	-2.31836	0.021615	0.892892
cg073419							
07	chr9	35161971	CCL21	-0.24712	-2.31607	0.021742	0.893474
cg104324							
22	chr1	17475819		0.30284	2.31381	0.021869	0.893665
cg152657							
85	chr3	1.57E+08	SSR3	-0.17386	-2.31281	0.021926	0.893665
cg215968							
25	chr2	3818723		-0.28017	-2.31339	0.021893	0.893665
cg183601			SLC1A2;C11orf7				
11	chr11	36340262	4;PAMR1;RAG2	0.381006	2.324772	0.021261	0.89197
cg061318			GNL3;MANF;PO				
79	chr3	51909122	C1A	-0.23214	-2.32149	0.021441	0.892531
cg234923							
99	chr5	1.02E+08		0.406635	2.320916	0.021473	0.892728
cg181093							
20	chr5	87985809		0.383841	2.309506	0.022112	0.893665
cg148831							
06	chr14	1.06E+08		-0.27698	-2.31438	0.021838	0.893665

cg138532							
17	chr12	57057978		0.279009	2.316204	0.021735	0.893474
cg265157							
55	chr16	15878612		-0.34302	-2.31257	0.021939	0.893665
cg140097							
31	chr2	24150123		-0.13757	-2.31608	0.021742	0.893474
cg013673							
28	chr7	162351		-0.31253	-2.31394	0.021862	0.893665
cg016636							
96	chr12	7942817	PTPN6	0.365572	2.31356	0.021883	0.893665
cg026850							
32	chr20	60498717		-0.256	-2.31124	0.022014	0.893665
cg070211							
81	chr11	1.23E+08		0.32536	2.316427	0.021723	0.893474
cg119896							
74	chr2	1.75E+08		-0.25073	-2.31548	0.021775	0.893474
cg192672							
53	chr7	19750896		-0.29744	-2.31652	0.021717	0.893474
cg028428							
69	chr17	79921131	CD7;SECTM1	-0.19058	-2.31372	0.021874	0.893665
cg098629							
14	chr1	2.31E+08		0.321579	2.315702	0.021763	0.893474
cg238250							
57	chr12	1.24E+08		0.250076	2.31621	0.021735	0.893474
cg021764							
07	chr6	99282754		-0.22267	-2.31733	0.021672	0.893128
cg275738							
41	chr1	23038177		-0.37796	-2.31677	0.021704	0.893474
cg135708			DUOXA1;DUOX1				
92	chr15	45449437	;GATM;DUOX2	-0.73308	-2.31253	0.021941	0.893665
cg050600							
85	chr2	672793		-0.38424	-2.31958	0.021547	0.892892
cg128284							
62	chr11	1.32E+08		0.354943	2.309837	0.022094	0.893665
cg192856							
88	chr4	80994605		0.310316	2.319685	0.021541	0.892892
cg100419							
50	chr10	557936		0.364174	2.315771	0.021759	0.893474
cg060742							
56	chr6	30684939		0.182712	2.314673	0.021821	0.893665
cg109471							
46	chr8	11058710		0.395921	2.314596	0.021825	0.893665
cg003610							
25	chr7	39451576		0.303172	2.310533	0.022054	0.893665
cg140781							
62	chr2	1.05E+08		0.41655	2.310952	0.022031	0.893665
cg262240							
60	chr5	94957243		0.267607	2.313019	0.021914	0.893665



cg102028							
26	chr16	4304191		-0.18643	-2.31157	0.021996	0.893665
cg141013							
57	chr10	1.03E+08		0.270178	2.313423	0.021891	0.893665
cg083636							
73	chr5	1.26E+08		-0.27126	-2.31463	0.021823	0.893665
cg271359							
15	chr10	1.35E+08	FUOM	-0.33818	-2.31502	0.021801	0.893614
cg034658							
61	chr15	76630660		0.248116	2.310742	0.022042	0.893665
cg030667							
88	chr8	28175285		-0.32065	-2.31187	0.021978	0.893665
cg232795							
03	chr8	35649016		-0.48039	-2.31562	0.021768	0.893474
cg148354							
23	chr22	20748341		-0.20004	-2.31105	0.022025	0.893665

cg045536							
23	chr21	46909229		0.253944	2.311889	0.021978	0.893665
cg145587							
99	chr6	64308563		-0.34743	-2.32041	0.021501	0.892849
cg262202							
59	chr1	44444688		-0.1631	-2.3149	0.021808	0.893614
cg017728							
54	chr5	1176225		-0.29584	-2.3125	0.021943	0.893665
cg221684							
80	chr1	89458595		0.203157	2.312069	0.021967	0.893665
cg112936							
10	chr21	34755681	ITSN1;GART	-0.3833	-2.31185	0.02198	0.893665
cg263923							
28	chr17	53827880		-0.30081	-2.31375	0.021873	0.893665
cg119807							
91	chr9	1.31E+08		-0.27038	-2.32269	0.021375	0.8922
cg122004							
12	chr1	1.58E+08		-0.32158	-2.31609	0.021742	0.893474
cg080444							
27	chr2	20442131	MATN3	0.370736	2.309276	0.022126	0.893665
cg241812			ICAM1;AP1M2;P				
66	chr19	11354132	DE4A;TYK2	0.457407	2.311237	0.022014	0.893665
cg158266							
29	chr6	30069609		-0.26034	-2.32311	0.021352	0.8922
cg175019			ENSG000002307				
06	chr1	1.63E+08	39;C1orf110	0.509212	2.311101	0.022022	0.893665
cg250635							
05	chr14	1.01E+08		0.275072	2.309877	0.022091	0.893665
cg110304							
46	chr4	83715381	PLAC8	-0.22991	-2.31404	0.021857	0.893665
cg170665							
29	chr6	90754140		-0.40731	-2.30883	0.022151	0.893665
cg026368							
72	chr16	28510023		0.25207	2.314533	0.021829	0.893665
cg133438							
18	chr2	1.73E+08		0.199798	2.315916	0.021751	0.893474
cg035274							
22	chr6	99282736		-0.20661	-2.31324	0.021901	0.893665
cg094103							
08	chr21	43766606		0.240603	2.31076	0.022041	0.893665
cg273557							
39	chr6	1.31E+08		0.212796	2.312021	0.02197	0.893665
cg146532							
16	chr8	1.31E+08		-0.20877	-2.31325	0.021901	0.893665
cg274883							
70	chr7	1.28E+08		-0.24432	-2.31367	0.021877	0.893665

cg001635						
76	chr3	86331369	-0.25078	-2.32276	0.021371	0.8922
cg088277						
56	chr6	6006770 F13A1	0.285651	2.314141	0.021851	0.893665
cg070357						
04	chr8	75616533	0.308852	2.312973	0.021916	0.893665
cg156921						
72	chr6	1.71E+08	-0.34586	-2.30758	0.022222	0.893665
cg169763						
10	chr6	27862785 ZNF204P	-0.31907	-2.31415	0.02185	0.893665
cg264248		P4HA3;KCNE3;R				
88	chr11	74037163 ELT	0.32301	2.315288	0.021786	0.893614
cg108507						
25	chr19	44764380	0.43388	2.311144	0.02202	0.893665
cg195711						
06	chr8	9762850	0.264582	2.314991	0.021803	0.893614
cg180818						
81	chr4	37828048	-0.19587	-2.31304	0.021913	0.893665
cg251892						
41	chr2	1.72E+08	0.393308	2.309337	0.022122	0.893665
cg041733						
97	chr10	1219289	0.240606	2.317388	0.021669	0.893128
cg015080						
45	chr6	41516162	0.365585	2.313484	0.021888	0.893665
cg199560						
62	chr3	52001778	-0.14118	-2.30812	0.022192	0.893665
cg247013						
09	chr8	1.42E+08	-0.17911	-2.31663	0.021711	0.893474
cg242874						
60	chr3	1.29E+08	-0.24406	-2.3133	0.021898	0.893665
cg007831						
04	chr8	41655894	-0.38936	-2.31111	0.022022	0.893665
cg036575						
89	chr8	1.46E+08	0.25572	2.313222	0.021902	0.893665
cg180235						
04	chr7	1.15E+08	-0.36765	-2.31613	0.021739	0.893474
cg193500						
24	chr10	63869379 RTKN2	-0.34525	-2.31134	0.022008	0.893665
cg250981		DDX5;CYB561;M				
74	chr17	61512571 RC2;MARCH10	0.192259	2.314036	0.021857	0.893665
cg059404						
52	chr11	1.19E+08	0.449077	2.312084	0.021967	0.893665
cg108187						
63	chr8	1383695	0.250834	2.320095	0.021518	0.892892
cg068725						
88	chr7	6692873	0.268539	2.312447	0.021946	0.893665

cg270445						
91	chr5	1.7E+08		0.291396	2.315308	0.021785 0.893614
cg266665						
38	chr2	1.15E+08		-0.29719	-2.31209	0.021966 0.893665
cg003251						
49	chr1	1.04E+08		0.20867	2.31255	0.02194 0.893665
cg022475						
14	chr6	30520623		0.205516	2.314067	0.021855 0.893665
cg180220		ENSG000001885				
12	chr2	10444757 25		0.2913	2.312977	0.021916 0.893665
cg008998						
83	chr2	2.39E+08		-0.17916	-2.30807	0.022194 0.893665
cg242726						
91	chr7	86849485		0.179235	2.308165	0.022189 0.893665
cg266883						
15	chr2	2.18E+08 TNS1		-0.32209	-2.31434	0.02184 0.893665
cg258682						
86	chr17	42092488		0.248287	2.312703	0.021932 0.893665
cg227533						
76	chr8	1.18E+08		-0.2517	-2.31061	0.02205 0.893665
cg101590						
32	chr17	30347989		0.238091	2.311022	0.022027 0.893665
cg131038						
15	chr1	6164020 RPL22;PHF13		-0.26238	-2.3096	0.022107 0.893665
cg039800						
35	chr2	25568991		-0.37937	-2.30751	0.022226 0.893665
cg097982						
02	chr16	85353755		-0.28657	-2.30924	0.022127 0.893665
cg190829						
60	chr1	2.14E+08		0.258905	2.313903	0.021864 0.893665
cg095169						
65	chr14	52734529		0.381613	2.312335	0.021952 0.893665
cg115699						
79	chr6	94127222		0.315117	2.31144	0.022003 0.893665
ch.14.138						
7929R	chr14	89561063		0.298276	2.313691	0.021876 0.893665
cg121657						
72	chr17	48070354		-0.28094	-2.31103	0.022026 0.893665
cg074202						
61	chr16	54155492		-0.22592	-2.31096	0.02203 0.893665
cg034140						
01	chr15	1.02E+08		-0.47258	-2.32012	0.021517 0.892892
cg124065						
59	chr18	56530302		0.435741	2.312671	0.021933 0.893665
cg121800						
67	chr3	1.38E+08		-0.1939	-2.31161	0.021993 0.893665
cg021805						
45	chr10	1.03E+08		-0.18262	-2.31301	0.021914 0.893665
cg041980						
42	chr17	48169370		-0.23287	-2.30737	0.022234 0.893665

cg02342415	chr3	12940876	NUP210	-0.27406	-2.31565	0.021766	0.893474
cg04204072	chr16	20752857		-0.19135	-2.31081	0.022039	0.893665
cg25182665	chr3	1.37E+08		-0.28986	-2.31577	0.021759	0.893474
cg21545293	chr11	1.02E+08	MMP1	-0.21128	-2.31145	0.022002	0.893665
cg10365743	chr7	4770257	FSCN1	0.306563	2.311235	0.022015	0.893665
			TTC21A;MOBP;SCN11A;XYLB;ENTPD3-AS1;SCN5A;GORASP1;EXOG				
cg13444374	chr3	39421801	ASP1;EXOG	0.366056	2.313218	0.021903	0.893665
cg21545977	chr1	11741439		0.147811	2.310777	0.02204	0.893665
cg04353095	chr3	1.41E+08		0.24059	2.313503	0.021887	0.893665
cg08881067	chr5	74062846		-0.27817	-2.31226	0.021957	0.893665
cg26517470	chr15	76351361	PSTPIP1	0.34211	2.313187	0.021904	0.893665
cg05364141	chr1	2.06E+08		-0.19893	-2.31206	0.021968	0.893665
			STAB1;PPM1M;SEMA3G;PBRM1;PRKCD				
cg04338788	chr3	52478874	PRKCD	-0.40407	-2.31298	0.021916	0.893665
cg21010050	chr3	99979819		-0.23395	-2.31206	0.021968	0.893665
cg24506025	chr11	94706874		-0.25359	-2.30907	0.022137	0.893665
cg27237907	chr13	1.15E+08		0.390768	2.308087	0.022193	0.893665
cg21535106	chr1	2.26E+08		0.236752	2.312342	0.021952	0.893665
cg07791834	chr19	48800382		-0.29285	-2.3079	0.022204	0.893665
cg16500852	chr5	1.77E+08		0.258041	2.310365	0.022064	0.893665
cg23091406	chr4	1.85E+08		0.176857	2.307775	0.022211	0.893665
cg14844588	chr1	40783039		0.185546	2.310407	0.022061	0.893665

cg137918						
27	chr9	1.34E+08	0.188581	2.310149	0.022076	0.893665
cg244905						
42	chr1	34628784	0.269566	2.308505	0.022169	0.893665
cg213784						
03	chr10	1.03E+08	0.254083	2.309862	0.022092	0.893665
cg207513						
61	chr3	37493945	-0.19822	-2.30983	0.022094	0.893665
cg036002						
59	chr6	1.64E+08	0.417321	2.314125	0.021852	0.893665
cg022876						
85	chr15	76492581	0.205741	2.308342	0.022179	0.893665
cg173574						
79	chr1	1.84E+08	0.261233	2.308786	0.022153	0.893665
cg176716						
08	chr1	33593154	-0.25545	-2.30845	0.022172	0.893665
cg041975						
54	chr8	21866700	-0.42298	-2.30494	0.022373	0.893677
cg159589						
38	chr17	73726239	-0.27518	-2.3099	0.02209	0.893665
cg039479						
79	chr6	78176785	0.306638	2.312581	0.021939	0.893665
cg207240						
73	chr17	40719654	-0.22103	-2.31488	0.021809	0.893614
cg089932						
36	chr22	50242901	-0.22865	-2.30646	0.022286	0.893665
cg223822						
35	chr11	56466578	-0.31942	-2.31041	0.022061	0.893665
cg136875						
70	chr19	37825320	0.358739	2.30628	0.022296	0.893665
cg240737						
55	chr1	2.32E+08	-0.36049	-2.31	0.022085	0.893665
cg004954						
36	chr3	1.32E+08	-0.18433	-2.31484	0.021811	0.893614
cg222091						
66	chr10	1.26E+08 FAM53B	-0.31391	-2.30914	0.022133	0.893665
cg272171						
67	chr17	231359	-0.22863	-2.31165	0.021991	0.893665

		LRRC43;DNAH10					
		;TCTN2;CCDC92;					
		ABCB9;KNTC1;E					
		NSG0000025654					
		6;MPHOSPH9;RI					
		LPL2;DNAH10OS					
		;DIABLO;PITPNM					
cg031317							
67	chr12	1.23E+08	2;EIF2B1	0.351115	2.312615	0.021937	0.893665
cg201112							
35	chr22	29168748		-0.17578	-2.30833	0.02218	0.893665
cg222619							
11	chr6	32143689		-0.19637	-2.30904	0.022139	0.893665
cg106926							
14	chr3	52827704	DNAH1;GNL3	0.274054	2.303743	0.022442	0.893677
cg144269							
13	chr6	6956252		0.203626	2.31001	0.022084	0.893665
cg024150							
29	chr1	1.1E+08		0.208822	2.309753	0.022098	0.893665
cg053635							
74	chr2	74919244	TET3	-0.33057	-2.30997	0.022086	0.893665
cg187121							
99	chr14	29240691		0.3971	2.306718	0.022271	0.893665
cg168250			ARHGAP44;DNA				
62	chr17	12694678	H9	0.382417	2.309862	0.022092	0.893665
		ACTN1;RPL7AP6;					
cg141182			RAD51B;DDX18P				
26	chr14	70010567	1	-0.36744	-2.30839	0.022176	0.893665
cg182735			ENSG000002324				
66	chr1	23695031	82	-0.19835	-2.31025	0.02207	0.893665
cg101171							
80	chr2	2.28E+08		-0.1553	-2.30896	0.022144	0.893665
cg057941							
19	chr13	52586375		0.192087	2.306852	0.022264	0.893665
cg273937							
26	chr10	16561605		0.401923	2.314173	0.021849	0.893665
cg160601							
63	chr17	80454814		-0.30487	-2.30714	0.022247	0.893665
cg034035							
11	chr11	62641217	SCGB1A1	-0.26471	-2.31133	0.022009	0.893665
cg086252							
89	chr1	59612492		-0.30006	-2.30994	0.022088	0.893665

cg208461							
48	chr13	1.03E+08		-0.33026	-2.30714	0.022247	0.893665
cg142635							
53	chr8	8120624		-0.25888	-2.30959	0.022108	0.893665
cg170431							
93	chr5	1.43E+08	NR3C1;KCTD16	0.234654	2.314108	0.021853	0.893665
cg166273							
95	chr3	1.58E+08		-0.19104	-2.30957	0.022109	0.893665
cg146831							
38	chr19	10781796		0.286278	2.308911	0.022146	0.893665
cg239467							
09	chr14	23527317		-0.21182	-2.30741	0.022232	0.893665
cg047878							
88	chr16	86547322	IRF8	0.303826	2.308984	0.022142	0.893665
cg024501							
24	chr15	58429751		0.27503	2.310121	0.022078	0.893665
cg135107							
51	chr7	1.29E+08		0.287245	2.309787	0.022097	0.893665
cg085978							
02	chr1	19657280		-0.24904	-2.30455	0.022395	0.893677
cg195899							
22	chr4	1.84E+08		-0.20117	-2.30784	0.022207	0.893665
cg195961							
77	chr12	95611375		0.182142	2.306625	0.022277	0.893665
cg254639			ENSG000002046				
43	chr19	51474126	66	0.252912	2.307311	0.022237	0.893665
cg158264							
85	chr14	21852455		0.229374	2.309235	0.022128	0.893665
cg199971							
81	chr10	2699357		-0.40474	-2.30615	0.022304	0.893665
cg011930							
64	chr21	44494722	CBS;SLC37A1	0.226544	2.305151	0.022361	0.893677
cg147274							
52	chr11	1.17E+08		0.204261	2.308574	0.022165	0.893665

			PEAR1;NES;RAB2				
			5;SYT11;SMG5;I				
cg247072			QGAP3;BCAN;LA				
00	chr1	1.57E+08	MTOR2	-0.27048	-2.31087	0.022035	0.893665
cg254373							
59	chr2	19330640		-0.35361	-2.30554	0.022338	0.893665
cg211894							
80	chr9	34622187		0.250235	2.30581	0.022323	0.893665
cg044443							
03	chr10	69634106		0.307783	2.30583	0.022322	0.893665
cg003358							
92	chr22	21213899		0.286135	2.307166	0.022246	0.893665



cg188742							
94	chr7	50108936		-0.31773	-2.30471	0.022386	0.893677
cg075496							
56	chr11	1.34E+08		0.188613	2.309845	0.022093	0.893665
cg273891							
85	chr19	38042123		0.255173	2.312708	0.021931	0.893665
cg188046							
80	chr14	1.01E+08		-0.18737	-2.30565	0.022332	0.893665
cg104659							
49	chr16	87688689		-0.2619	-2.30887	0.022149	0.893665
ch.16.781							
52474R	chr16	79594973		-0.34438	-2.30586	0.02232	0.893665
cg216275							
89	chr17	45899047		-0.17785	-2.30819	0.022187	0.893665
cg055732							
87	chr3	12983221		0.336383	2.305427	0.022345	0.893665
cg076463							
77	chr2	1.57E+08		-0.23916	-2.30625	0.022298	0.893665
cg247125							
01	chr5	1401718	NDUFS6;NKD2	-0.25223	-2.30546	0.022343	0.893665
cg181730							
44	chr10	1.15E+08		0.337257	2.311908	0.021977	0.893665
cg263538							
77	chr1	1.6E+08		-0.26733	-2.31033	0.022066	0.893665
cg143323							
68	chr3	43151328		-0.26632	-2.30702	0.022254	0.893665
cg208974							
79	chr11	12292577	TEAD1	-0.30605	-2.30365	0.022447	0.893677
cg250271							
67	chr8	1.46E+08		0.29575	2.306786	0.022267	0.893665
cg084996							
02	chr8	27132306		0.24017	2.306271	0.022297	0.893665
cg048392							
59	chr10	1.24E+08		0.48757	2.303795	0.022439	0.893677
cg042278							
92	chr5	2169402		-0.32033	-2.31029	0.022068	0.893665
cg013042							
78	chr14	96001998		-0.26546	-2.30892	0.022146	0.893665
cg134356							
79	chr9	1.41E+08		-0.20595	-2.30508	0.022365	0.893677
cg071442							
96	chr1	1.83E+08		-0.19774	-2.30589	0.022319	0.893665
cg103621							
72	chr3	1.39E+08		0.338087	2.308257	0.022183	0.893665
cg197766							
11	chr10	1.34E+08		0.28189	2.309714	0.022101	0.893665
cg186617							
31	chr18	59854239		-0.2332	-2.30349	0.022456	0.893677
cg229388							
37	chr2	1E+08		-0.28025	-2.31131	0.022011	0.893665

cg060492							
95	chr4	3534276		-0.11914	-2.30829	0.022182	0.893665
cg061703							
00	chr3	1.65E+08		-0.22999	-2.30621	0.0223	0.893665
cg083129							
87	chr11	45204466		0.302607	2.303491	0.022456	0.893677
ch.20.240							
70907R	chr20	24122907		0.236239	2.30352	0.022455	0.893677
cg119353							
17	chr2	1.71E+08		-0.19596	-2.3069	0.022261	0.893665
cg188327							
38	chr12	95210053		0.259466	2.311461	0.022002	0.893665
cg088897							
89	chr4	1305886		-0.23478	-2.31341	0.021892	0.893665

			COL6A1;COL6A2				
			;COL18A1;PCBP3				
cg022984			;ADARB1;COL18				
01	chr21	47288619	A1-AS1	0.330838	2.31633	0.021728	0.893474
cg060281							
51	chr8	12730092	RPS3AP34	0.350118	2.306453	0.022286	0.893665
cg019715							
55	chr3	32729395		0.254101	2.31608	0.021742	0.893474
cg137783							
36	chr1	13836752		0.239004	2.303192	0.022473	0.893677
cg221550							
80	chr5	56368149		-0.32493	-2.30813	0.022191	0.893665
cg090221							
63	chr1	41157963		-0.17758	-2.30567	0.022331	0.893665

			HLA-DQB1;HLA-				
cg215882			DQA1;HLA-				
15	chr6	32632937	DRB1;HLA-DPA1	-0.45275	-2.31247	0.021945	0.893665
cg191069							
32	chr17	61926700	FTSJ3	0.636224	2.307704	0.022215	0.893665
cg078574							
44	chr2	1614151		0.280867	2.305148	0.022361	0.893677
cg068125							
22	chr12	569221		-0.17829	-2.30757	0.022223	0.893665
cg263927							
37	chr8	21916853		-0.22679	-2.30459	0.022393	0.893677
cg214832							
64	chr2	26400186		-0.20604	-2.30618	0.022302	0.893665
cg108152							
53	chr2	1.17E+08		-0.34586	-2.31509	0.021798	0.893614

cg105764							
99	chr2	80101315	-0.3697	-2.31168	0.021989	0.893665	
cg144547							
96	chr2	2.42E+08	0.289812	2.309789	0.022096	0.893665	
cg249340							
63	chr7	1.22E+08	0.229094	2.303275	0.022469	0.893677	
cg230691							
67	chr3	61550379	-0.20374	-2.30954	0.022111	0.893665	
cg134622							
19	chr8	1.45E+08	0.400321	2.303802	0.022438	0.893677	
cg242405							
67	chr17	26972348	0.157315	2.302153	0.022533	0.893677	
cg145837							
69	chr19	48702221	0.243987	2.304235	0.022414	0.893677	
cg090965							
55	chr17	72848358 SMIM5	0.343141	2.303135	0.022477	0.893677	
cg045485							
19	chr3	1.7E+08	0.307999	2.310843	0.022037	0.893665	
cg169745							
16	chr2	2.38E+08	-0.3639	-2.30765	0.022218	0.893665	
cg140831							
11	chr12	6580020 CD163L1	-0.2268	-2.3067	0.022272	0.893665	
cg012362							
99	chr17	9819556	-0.21315	-2.30393	0.022431	0.893677	
cg144878							
78	chr9	1.12E+08	0.169251	2.308558	0.022166	0.893665	
cg114208							
27	chr2	2.37E+08	0.218788	2.308974	0.022143	0.893665	
cg093990							
47	chr3	49059671	-0.2372	-2.30601	0.022312	0.893665	
cg096261							
93	chr8	55370192	0.365631	2.308408	0.022175	0.893665	
cg084476							
58	chr4	1339912	0.173576	2.303284	0.022468	0.893677	
cg065260							
42	chr8	95648491	-0.25434	-2.30513	0.022362	0.893677	
cg197175							
86	chr11	1.32E+08	0.478756	2.304237	0.022413	0.893677	
cg131470							
13	chr13	99852409 FARP1	-0.2128	-2.30113	0.022593	0.894192	
cg275032							
75	chr6	3880016	-0.3004	-2.30592	0.022317	0.893665	
cg156630							
92	chr11	9596174 SNORA23	0.196199	2.307425	0.022231	0.893665	
cg236030							
57	chr6	1.68E+08	-0.27947	-2.30534	0.02235	0.893677	
cg164345							
10	chr8	1.3E+08 PVT1	-0.50932	-2.30217	0.022533	0.893677	
cg123954							
20	chr19	54202584	-0.26677	-2.30318	0.022474	0.893677	

cg248845							
43	chr18	77139072		0.436681	2.304384	0.022405	0.893677
cg104537							
77	chr13	62245229		-0.38387	-2.30824	0.022184	0.893665
cg079853							
59	chr19	7894666		-0.18716	-2.30717	0.022245	0.893665
cg023937							
27	chr16	89690088		0.431819	2.30903	0.02214	0.893665
cg155608							
01	chr1	46918254	CCDC17;CYP4B1	-0.18721	-2.30565	0.022332	0.893665
cg051503							
27	chr15	81617335		0.271409	2.304364	0.022406	0.893677
cg142647							
73	chr1	2.26E+08		0.200879	2.308878	0.022148	0.893665
cg189244							
93	chr11	506924		0.149777	2.302995	0.022485	0.893677
cg190561							
76	chr16	85061789		-0.27773	-2.30205	0.022539	0.893677
cg127775							
88	chr7	4019913		-0.27163	-2.30285	0.022493	0.893677
cg269488							
23	chr16	1255116	NME4	-0.39103	-2.3057	0.022329	0.893665
cg006820							
90	chr17	3733468		-0.29799	-2.30574	0.022327	0.893665
cg248658							
02	chr22	42084920		0.144365	2.303648	0.022447	0.893677
cg145390							
86	chr12	57351856		-0.19491	-2.30494	0.022373	0.893677
cg266162							
01	chr16	65420843		0.295743	2.302995	0.022485	0.893677
cg271503							
70	chr21	34863940		-0.2227	-2.30554	0.022339	0.893665
cg048743							
26	chr6	2634942		-0.25647	-2.3055	0.022341	0.893665
cg270721							
53	chr12	1.15E+08		0.329687	2.301264	0.022585	0.894192
cg033378							
86	chr13	1.1E+08		0.200653	2.306455	0.022286	0.893665
cg194924							
46	chr18	35145650		-0.29688	-2.30502	0.022368	0.893677
cg268609							
35	chr4	1407989	TACC3	0.323238	2.30678	0.022268	0.893665
cg072154							
73	chr3	16508396		-0.25302	-2.30112	0.022593	0.894192
cg141620							
76	chr12	8665092	RIMKLB	-0.35375	-2.30429	0.022411	0.893677
cg006882							
97	chr8	1.46E+08	MAPK15	-0.19502	-2.30337	0.022463	0.893677
cg198186							
42	chr15	91260404	WDR93	-0.19844	-2.30647	0.022285	0.893665

cg117674							
26	chr14	50319892		0.375894	2.303099	0.022479	0.893677
cg185219							
25	chr6	1.11E+08		0.240399	2.302503	0.022513	0.893677
cg232401							
49	chr11	34075172		0.388149	2.304317	0.022409	0.893677
cg217716							
60	chr17	96672		-0.32511	-2.30334	0.022465	0.893677
cg177227							
47	chr20	58665675		-0.2215	-2.30257	0.02251	0.893677
cg141259							
60	chr7	1.59E+08		-0.23316	-2.3054	0.022346	0.893665
cg116232							
93	chr17	78859060		-0.29549	-2.3073	0.022238	0.893665
cg034026							
30	chr22	26192806		-0.41172	-2.30061	0.022623	0.894192
cg267115							
08	chr8	1.2E+08		0.457193	2.315939	0.02175	0.893474
cg232189							
79	chr3	25825565		-0.38217	-2.30732	0.022237	0.893665
cg175001							
03	chr4	1.64E+08		0.238897	2.305454	0.022344	0.893665
cg076748							
34	chr17	8230235		0.176458	2.313426	0.021891	0.893665
cg181050							
65	chr2	2.19E+08		0.241699	2.305498	0.022341	0.893665
cg103467							
58	chr22	47097389		-0.27272	-2.30413	0.02242	0.893677
cg242378							
62	chr7	37026842		-0.33625	-2.30749	0.022227	0.893665
cg084300			NOSTRIN;CERS6;				
74	chr2	1.7E+08	DHRS9;KLHL23	-0.28121	-2.30889	0.022147	0.893665
cg041949							
47	chr2	1.77E+08		0.263555	2.302949	0.022487	0.893677
cg207871							
22	chr1	1.12E+08	KCND3;RAP1A	0.264323	2.305029	0.022368	0.893677
cg035476							
40	chr1	17662685		0.326489	2.30322	0.022472	0.893677
cg257635							
79	chr3	13213415	RAF1	-0.28178	-2.30224	0.022528	0.893677
cg081710							
22	chr11	70185278	ANO1	0.346501	2.30412	0.02242	0.893677
cg272722							
35	chr1	2.21E+08		0.357235	2.304097	0.022421	0.893677
cg271296							
56	chr14	1.02E+08		-0.25684	-2.30446	0.022401	0.893677
cg042066							
37	chr5	63202277		-0.37703	-2.29989	0.022664	0.894355

cg192707							
64	chr1	21503624		-0.19611	-2.3055	0.022341	0.893665
cg171370							
77	chr2	1.62E+08		0.364291	2.300573	0.022625	0.894192
cg049491							
93	chr6	1.57E+08		-0.19548	-2.30199	0.022543	0.893677
cg065999							
20	chr14	47121117		0.437633	2.301499	0.022571	0.894118
cg167027							
13	chr5	1.18E+08		-0.17739	-2.30191	0.022547	0.893677
cg159907							
24	chr12	1.01E+08		-0.31764	-2.30222	0.02253	0.893677
cg211314							
93	chr3	12923969		-0.25971	-2.30204	0.02254	0.893677
cg147729							
35	chr7	29187019 CPVL		0.392899	2.30523	0.022356	0.893677
cg032871							
26	chr8	10196401		0.216115	2.309711	0.022101	0.893665
cg092658							
76	chr12	25537944 ITPR2		0.39384	2.302778	0.022497	0.893677
cg193245							
13	chr17	80989060		0.273799	2.307215	0.022243	0.893665
cg035790							
45	chr8	11579013		0.412176	2.300552	0.022626	0.894192
cg175792							
14	chr13	98085375		0.228597	2.303293	0.022468	0.893677
cg033389							
24	chr6	13015106		-0.30121	-2.30903	0.02214	0.893665
cg182088							
53	chr14	60559200 L3HYPDH		-0.22262	-2.30011	0.022652	0.894355
cg069637							
09	chr7	1.55E+08		-0.49862	-2.30083	0.02261	0.894192
cg072114							
65	chr6	1.48E+08		-0.27118	-2.30386	0.022435	0.893677
cg206790							
82	chr17	1090548		0.195757	2.302595	0.022508	0.893677
cg233980		ENSG000002320					
76	chr2	66664960 46		-0.26259	-2.30654	0.022281	0.893665
cg086610							
03	chr20	3185863		0.194921	2.301584	0.022566	0.894084
cg244699							
80	chr1	2.21E+08		0.298643	2.305403	0.022346	0.893665
cg184826							
90	chr5	4511582		0.384666	2.307404	0.022232	0.893665
cg038030							
09	chr17	72363634		-0.20343	-2.30573	0.022328	0.893665
cg088816		ENSG000002600					
10	chr6	1.01E+08 00		-0.28417	-2.30542	0.022346	0.893665
cg248620							
00	chr3	14582410		-0.18664	-2.30192	0.022547	0.893677

cg036548							
41	chr16	88615609 SLC7A5	-0.28546	-2.30384	0.022436	0.893677	
cg139916							
09	chr9	1.29E+08	-0.24423	-2.30206	0.022539	0.893677	
cg195356							
07	chr10	50820803	0.328635	2.299109	0.02271	0.894355	
cg014894							
16	chr19	36358613 FXVD3	-0.22643	-2.30792	0.022203	0.893665	
cg002383							
62	chr6	32038011	0.213411	2.299343	0.022696	0.894355	
cg093665							
87	chr12	94559051	0.269486	2.304292	0.02241	0.893677	
cg068166							
51	chr2	95664359	0.280879	2.303727	0.022443	0.893677	
cg092937							
18	chr8	87076603	0.355684	2.307443	0.02223	0.893665	
cg008943							
44	chr13	1.11E+08	0.290206	2.30683	0.022265	0.893665	
cg031765							
20	chr2	2.2E+08	0.234664	2.303489	0.022456	0.893677	
cg068876							
63	chr14	62228983	-0.18941	-2.30265	0.022505	0.893677	
cg214173							
99	chr8	1.46E+08	-0.18516	-2.30083	0.02261	0.894192	
cg001083							
49	chr13	24914657	-0.35924	-2.30596	0.022315	0.893665	
cg054568							
90	chr5	1.15E+08	-0.18428	-2.30897	0.022143	0.893665	
cg143485							
88	chr9	34523329 ENHO	-0.19011	-2.30796	0.0222	0.893665	
cg005739							
22	chr3	1.84E+08 ECE2	-0.18426	-2.3042	0.022415	0.893677	
cg101558							
17	chr3	1.97E+08	0.236036	2.303765	0.02244	0.893677	
cg276401							
47	chr15	50718844	-0.20499	-2.30767	0.022217	0.893665	
cg147337							
20	chr19	44325004	0.439125	2.302187	0.022531	0.893677	
cg069653							
00	chr21	44867263	0.300458	2.308874	0.022148	0.893665	
cg063028							
18	chr13	50708043	-0.30532	-2.3	0.022658	0.894355	
cg183693							
27	chr5	1.09E+08	0.327152	2.298763	0.02273	0.894597	
cg259428							
80	chr11	8662007	-0.22602	-2.30036	0.022637	0.894192	
cg143269							
12	chr20	18775716	-0.3042	-2.30768	0.022216	0.893665	
cg201709							
89	chr7	53102721	-0.42458	-2.30117	0.02259	0.894192	

cg032301						
75	chr2	1.57E+08	CYTIP	0.250968	2.299277	0.0227 0.894355
cg237024						
12	chr14	70655803		0.232506	2.303299	0.022467 0.893677
cg222326			ENSG000002546			
16	chr8	1.45E+08	90	0.191005	2.300391	0.022635 0.894192
cg133561						
33	chr17	12877772		0.285034	2.307361	0.022235 0.893665
cg008177						
31	chr3	46759475		0.519649	2.306438	0.022287 0.893665
cg091444						
22	chr16	68056595		0.291429	2.299873	0.022665 0.894355
cg116005						
96	chr2	2617199		0.304315	2.306336	0.022293 0.893665
cg068021						
47	chr16	30022725		-0.1771	-2.30317	0.022475 0.893677
cg247197						
26	chr5	1.63E+08		-0.39553	-2.30361	0.02245 0.893677
cg165322						
23	chr1	6542083		-0.21765	-2.29805	0.022771 0.895029
cg275126						
31	chr3	1.01E+08		-0.32796	-2.30448	0.0224 0.893677
cg084621						
08	chr11	70680470		-0.17454	-2.30102	0.022599 0.894192
cg072365						
94	chr2	1.29E+08		-0.29565	-2.29935	0.022696 0.894355
cg163810						
59	chr17	835927		-0.2558	-2.30194	0.022546 0.893677
cg177129						
28	chr7	2124974	ELFN1	-0.23602	-2.30002	0.022657 0.894355
cg196012						
93	chr7	2029752		0.296308	2.298036	0.022772 0.895029
cg151437						
99	chr10	38146551		0.174629	2.300797	0.022612 0.894192
cg138629						
27	chr9	72158091		-0.38214	-2.31201	0.021971 0.893665
cg128018			PRB1;PRB4;PRB3			
63	chr12	11423020	;PRR4;PRH2	0.332447	2.3005	0.022629 0.894192
cg123762						
77	chr22	31365812		-0.26295	-2.3055	0.022341 0.893665
cg036457						
48	chr2	2.43E+08		0.332311	2.300414	0.022634 0.894192
cg209940						
84	chr17	79269488		-0.2536	-2.30742	0.022231 0.893665
cg092496						
82	chr7	17338253		-0.18325	-2.29884	0.022725 0.894597
cg042456						
30	chr1	2.02E+08		-0.31052	-2.29782	0.022785 0.895122



cg108809							
28	chr9	1.4E+08	GPSM1;EGFL7	0.392195	2.300283	0.022642	0.894192
cg261021							
46	chr7	1.51E+08		-0.18256	-2.30168	0.022561	0.894023
cg269184							
71	chr5	1.21E+08		-0.1705	-2.29883	0.022726	0.894597
cg006857							
95	chr17	40713781		0.285388	2.298395	0.022751	0.89501
cg008079							
59	chr1	48176281		0.253678	2.30039	0.022635	0.894192
cg065755							
72	chr22	45705265		0.317204	2.298884	0.022723	0.894597
cg220818							
32	chr3	64670459	ADAMTS9-AS2	0.277798	2.302765	0.022498	0.893677
cg085269							
91	chr2	5831394		0.196326	2.296651	0.022853	0.895787
cg246888							
03	chr12	1.05E+08		0.318616	2.300329	0.022639	0.894192
ch.1.4190							
055F	chr1	2.15E+08		0.392961	2.30173	0.022558	0.894004
cg203038			ENSG000002468				
15	chr11	69706981	89	-0.21839	-2.30229	0.022525	0.893677
cg109988							
78	chr12	93964793		-0.17631	-2.30236	0.022522	0.893677
ch.9.2262							
725R	chr9	1.34E+08		-0.31022	-2.30199	0.022543	0.893677
cg080827							
63	chr16	11073063	SNX29;ATF7IP2	0.363972	2.304844	0.022379	0.893677
cg070183							
89	chr5	1.72E+08	STK10	-0.35245	-2.30531	0.022352	0.893677
cg107809							
81	chr2	2.09E+08		0.342278	2.295119	0.022943	0.895787
cg105473							
61	chr3	11761101		-0.2111	-2.30343	0.02246	0.893677
cg182058							
83	chr10	821718		-0.35089	-2.30102	0.022599	0.894192
cg160549							
07	chr22	50706065		0.307376	2.309436	0.022116	0.893665
cg152064							
45	chr16	89573312	SPIRE2	0.323193	2.299589	0.022682	0.894355
cg265762							
35	chr6	30309483		0.17259	2.303995	0.022427	0.893677
cg241206							
83	chr7	1.57E+08		0.374625	2.30766	0.022218	0.893665
cg153283							
28	chr2	1.22E+08		0.45576	2.308355	0.022178	0.893665
cg131091							
84	chr1	2.36E+08		-0.19427	-2.29693	0.022837	0.895787
cg165765			ENSG000002372				
69	chr1	1.81E+08	92	-0.24717	-2.29941	0.022692	0.894355

cg047201							
16	chr10	679221	DIP2C	0.268945	2.29561	0.022914	0.895787
cg105214							
13	chr5	96519005		-0.32312	-2.29555	0.022917	0.895787
cg184435							
59	chr5	1.09E+08		0.277904	2.299905	0.022663	0.894355
cg162303							
07	chr14	35515116		0.31902	2.300334	0.022639	0.894192
cg081555							
84	chr3	82314701		-0.40963	-2.30387	0.022434	0.893677
cg227169							
04	chr22	35796059		-0.16962	-2.29965	0.022678	0.894355
cg226306							
67	chr5	1.54E+08		0.226404	2.298394	0.022751	0.89501
cg206319							
69	chr7	1.4E+08		-0.31439	-2.30056	0.022625	0.894192
cg188984							
98	chr8	1.44E+08		0.231159	2.3009	0.022606	0.894192
cg098509							
25	chr1	2.04E+08		0.325427	2.294622	0.022972	0.895787
cg038462			ENSG000002597				
88	chr15	59279849	32	-0.22595	-2.30105	0.022597	0.894192
cg255322							
92	chr6	30415782		0.312172	2.305417	0.022346	0.893665
cg030481							
87	chr7	1.01E+08		-0.22309	-2.30251	0.022513	0.893677
cg170908							
91	chr1	61471224		0.314722	2.304803	0.022381	0.893677
cg016493							
17	chr16	87719201		0.326792	2.299294	0.022699	0.894355
cg130056							
36	chr13	20392706	IFT88	0.407403	2.296676	0.022851	0.895787
cg074913							
99	chr6	30956221		0.329277	2.301449	0.022574	0.894149
cg061026							
12	chr6	94127427		-0.23824	-2.30076	0.022614	0.894192
cg073338							
72	chr4	3691238		0.254853	2.300999	0.0226	0.894192
cg229798							
07	chr19	55837197		-0.30222	-2.29814	0.022766	0.895029
cg261090							
17	chr2	23840268		0.282201	2.300274	0.022642	0.894192
cg165775							
88	chr1	1.58E+08		-0.24594	-2.30231	0.022524	0.893677
cg014724							
64	chr2	3383078		0.44212	2.298571	0.022741	0.894791
cg175248							
21	chr19	15535460		0.25414	2.298695	0.022734	0.89467
cg195386							
74	chr3	39186541		0.284135	2.298782	0.022729	0.894597

cg111994							
28	chr13	52027379		0.176077	2.296213	0.022879	0.895787
cg059421							
28	chr2	1.77E+08		0.26312	2.295119	0.022943	0.895787
cg222407							
04	chr3	20202403		-0.35527	-2.29707	0.022829	0.895787
cg046170							
01	chr20	25130794		-0.24978	-2.29496	0.022952	0.895787
cg091484							
17	chr5	3513521		0.320058	2.295643	0.022912	0.895787
cg036032							
66	chr21	15755706		0.164538	2.301649	0.022563	0.894023
cg057668							
02	chr2	1.19E+08		0.346372	2.299805	0.022669	0.894355
cg032126							
34	chr19	54292238		0.299378	2.296643	0.022853	0.895787
cg102587							
19	chr10	35896405		-0.23366	-2.2983	0.022757	0.895029

			ZNF418;ZNF211; ZNF154;ZNF135; ZSCAN1;PEG3;ZNF772;ZNF671				
cg133370							
47	chr19	57683843		0.541589	2.297743	0.022789	0.895122
cg076321							
48	chr17	78009770		0.228066	2.299294	0.022699	0.894355
cg218135							
91	chr1	1.47E+08		0.194034	2.297381	0.02281	0.895787
cg228099							
20	chr20	43935551		0.368251	2.304211	0.022415	0.893677
cg092437							
59	chr13	77460613		-0.17098	-2.29685	0.022842	0.895787
cg100783							
35	chr2	2.42E+08		0.641523	2.295765	0.022905	0.895787
cg110964							
41	chr20	49548515		0.31299	2.296646	0.022853	0.895787
cg051782							
34	chr8	1813992		0.247796	2.302713	0.022501	0.893677
cg192658							
86	chr12	55845465		-0.35674	-2.29626	0.022876	0.895787
cg088582							
10	chr8	98290361	POP1	0.390777	2.299195	0.022705	0.894355
cg131694							
91	chr7	1.28E+08	HILPDA;NRF1	-0.27078	-2.29965	0.022678	0.894355
cg113386							
43	chr6	1.67E+08		0.225882	2.295103	0.022944	0.895787
cg262753							
60	chr8	52852168	RB1CC1	0.355577	2.30085	0.022609	0.894192

cg100529							
08	chr6	74063522		0.536384	2.297368	0.022811	0.895787
cg139637							
38	chr1	1.71E+08		-0.25154	-2.29837	0.022753	0.89501
cg174984							
76	chr7	2052420	ZFAND2A	-0.24485	-2.30238	0.02252	0.893677
cg163913							
47	chr14	1.01E+08		-0.22702	-2.29783	0.022784	0.895122
cg037369			BMP7;PMEPA1;				
77	chr20	55684764	RBM38	-0.34498	-2.29732	0.022814	0.895787
cg005220							
34	chr3	1.06E+08		0.153858	2.299705	0.022675	0.894355
cg052636							
05	chr16	19191417		0.381146	2.294848	0.022958	0.895787
cg230951							
92	chr2	1.45E+08		0.248096	2.30155	0.022568	0.894084
cg070454							
69	chr7	48494579		0.63744	2.294878	0.022957	0.895787
cg208482							
07	chr15	94841537		0.25484	2.302862	0.022493	0.893677
cg185952							
28	chr15	67193261		-0.29612	-2.2955	0.02292	0.895787
cg119561							
20	chr5	1.15E+08		-0.27772	-2.30291	0.02249	0.893677
cg116428			GSG2;ENSG0000				
29	chr17	4607740	0261879;PFN1	-0.21898	-2.29361	0.023031	0.895932
cg130244			NUB1;TMEM176				
71	chr7	1.51E+08	A;GIMAP2;TME	-0.28378	-2.29628	0.022875	0.895787
cg197441							
31	chr1	1.51E+08	M176B	0.191305	2.300782	0.022613	0.894192
cg188870							
73	chr19	13001796	MAN2B1	-0.28613	-2.29532	0.022931	0.895787
cg255553							
36	chr12	1.21E+08		-0.186	-2.29473	0.022965	0.895787
cg127545							
71	chr1	2.48E+08		0.720935	2.29209	0.023121	0.89698
cg265450			HMHA1;ARID3A;				
40	chr19	994110	MISP;MEX3D;PP	-0.35052	-2.29647	0.022864	0.895787
cg033561							
15	chr16	3200385	AP2C	-0.20646	-2.29802	0.022773	0.895029

cg003205						
97	chr8	1339461	-0.29603	-2.29685	0.022842	0.895787
cg037092						
97	chr15	25298516	0.268441	2.294863	0.022958	0.895787
cg200105						
06	chr12	62585467	0.389678	2.299606	0.022681	0.894355
cg246667						
90	chr15	38545014	-0.19476	-2.29528	0.022933	0.895787
cg195802						
63	chr14	74462914	0.250713	2.293002	0.023067	0.896315
cg253971						
11	chr17	2592953	0.343796	2.300827	0.02261	0.894192
cg138249						
91	chr18	76766250	0.56139	2.29383	0.023018	0.895932
cg038714						
60	chr13	37004721	0.341359	2.296118	0.022884	0.895787
cg084746						
03	chr1	1.6E+08	-0.30619	-2.29549	0.022921	0.895787
cg247081						
78	chr5	95019536	-0.38036	-2.29589	0.022897	0.895787
cg097510						
71	chr10	1.35E+08	-0.23635	-2.29581	0.022902	0.895787
cg128415						
66	chr11	47296317	0.230825	2.294661	0.022969	0.895787
cg030548						
46	chr1	1.43E+08	0.323902	2.296138	0.022883	0.895787
cg230529						
30	chr14	1.03E+08	0.223273	2.297999	0.022774	0.895029
cg223775						
05	chr1	2929156	0.181466	2.294389	0.022985	0.895787
cg127451						
60	chr17	7975779	0.29475	2.294371	0.022987	0.895787
cg043062						
48	chr7	1.01E+08	0.276783	2.302313	0.022524	0.893677
cg032631						
17	chr17	45798767	-0.28741	-2.30874	0.022156	0.893665
cg084559						
16	chr2	54560557 MIR3682	0.252068	2.296633	0.022854	0.895787
cg034580						
99	chr2	2.24E+08	0.346362	2.299142	0.022708	0.894355
cg218859						
95	chr17	74069256	0.328094	2.293269	0.023051	0.896111
ch.12.288						
4988R	chr12	1.33E+08	-0.3571	-2.29984	0.022667	0.894355
cg167565						
08	chr12	1.33E+08	-0.30311	-2.29279	0.02308	0.89634
cg157971						
10	chr7	27196314	0.310119	2.295908	0.022896	0.895787
cg074111						
65	chr4	1.47E+08	-0.2921	-2.30487	0.022377	0.893677

cg183136			BLOC1S6;SQRDL;				
94	chr15	45480185	EIF3J	0.347672	2.299051	0.022713	0.894355
cg242088							
26	chr12	54389891		0.399074	2.294364	0.022987	0.895787
cg143825							
47	chr6	74067400		0.319534	2.29776	0.022788	0.895122
cg063417							
01	chr2	1.77E+08		0.259209	2.296273	0.022875	0.895787
cg273258							
61	chr17	41456143		0.239287	2.30239	0.02252	0.893677
cg222469							
18	chr13	51094655		-0.27491	-2.29419	0.022997	0.895877
cg001977							
28	chr20	58151913		0.265627	2.294617	0.022972	0.895787
cg016207							
57	chr17	4635229		-0.26006	-2.29914	0.022708	0.894355
cg265097							
22	chr12	6833059		-0.30106	-2.29818	0.022763	0.895029
cg010289							
20	chr16	31237479		-0.21349	-2.29127	0.023169	0.89698
cg248548							
61	chr11	24609900		-0.41037	-2.29665	0.022853	0.895787
cg097889							
78	chr16	88239852		0.231615	2.297258	0.022817	0.895787
cg013824							
74	chr3	1.41E+08		0.164981	2.298274	0.022758	0.895029
cg214883							
98	chr2	70369791		-0.14772	-2.29512	0.022942	0.895787
cg242864							
14	chr7	227664		0.2317	2.295057	0.022946	0.895787
cg248266							
45	chr13	1.14E+08		-0.20363	-2.29801	0.022774	0.895029
cg216791							
69	chr1	1.51E+08		0.238504	2.294517	0.022978	0.895787
cg082031			EPAS1;PRKCE;LI				
92	chr2	45880618	NC01121	0.298046	2.295446	0.022923	0.895787
cg099417							
13	chr8	61705332	ASPH	0.340581	2.294823	0.02296	0.895787
cg050043							
21	chr19	36450121		-0.17356	-2.29309	0.023062	0.896315
cg258536							
22	chr3	1.88E+08		0.393009	2.299049	0.022713	0.894355
cg091961							
46	chr14	90042364		0.457321	2.293523	0.023036	0.895932
cg147084							
11	chr5	1060679		0.440917	2.316554	0.021716	0.893474
cg005103							
31	chr3	11609366		-0.24681	-2.29072	0.023202	0.89698

cg096329							
07	chr4	54969963		0.210903	2.302658	0.022504	0.893677
			HIST1H3J;HIST1H				
cg186750			3H;HIST1H2BO;H				
97	chr6	28227127	IST1H1B	0.403804	2.295453	0.022923	0.895787
cg007267							
82	chr12	58299213		-0.25693	-2.29716	0.022823	0.895787
cg039068							
20	chr10	1.35E+08		-0.43835	-2.2935	0.023038	0.895932
cg143400							
74	chr6	33266407		-0.18619	-2.29346	0.02304	0.895932
cg072136							
84	chr2	25609537		-0.29513	-2.29956	0.022684	0.894355
cg000800							
81	chr17	33701776		0.384764	2.291542	0.023153	0.89698
cg048039							
21	chr20	30102855		-0.19963	-2.29438	0.022986	0.895787
cg232795							
59	chr21	17101917		-0.21222	-2.29498	0.022951	0.895787
cg061072							
16	chr21	40124363		0.332665	2.295345	0.022929	0.895787
cg182952							
03	chr3	1.72E+08		-0.26189	-2.29431	0.02299	0.895787
cg270786							
52	chr22	19466632		-0.1834	-2.29091	0.02319	0.89698
cg120332							
88	chr10	1.02E+08		0.291471	2.293442	0.023041	0.895932
cg246483							
85	chr2	88583845		0.334086	2.293478	0.023039	0.895932
cg054177							
29	chr2	3307997		0.290806	2.293621	0.023031	0.895932
cg250841							
08	chr14	33668205		-0.1758	-2.2932	0.023055	0.89619
cg274212							
98	chr17	35303285		0.18704	2.296698	0.02285	0.895787
cg273266							
83	chr13	87732923		-0.30086	-2.29429	0.022991	0.895787
cg230938							
46	chr1	68509382	IL12RB2	-0.38926	-2.29626	0.022876	0.895787
cg023236							
52	chr16	14396148		0.148609	2.291374	0.023163	0.89698

		ERI2;GDE1;TMC					
		5;CCP110;ENSG0					
		0000260681;CO					
		Q7;ENSG000000					
cg106387							
34	chr16	19897155	05189;IQCK	0.272476	2.298103	0.022768	0.895029
cg013498							
53	chr3	36986697		-0.46441	-2.29227	0.02311	0.896844
cg124022							
51	chr8	91094811		0.407968	2.295954	0.022894	0.895787
cg197634							
28	chr7	32109831		0.358875	2.293603	0.023032	0.895932
cg130359							
10	chr6	1E+08		0.281347	2.290523	0.023213	0.897139
cg262952							
04	chr2	70475921		-0.26181	-2.29484	0.022959	0.895787
cg210239							
26	chr3	1.94E+08		-0.25003	-2.29927	0.0227	0.894355
cg095294							
33	chr17	48637255		0.294709	2.300378	0.022636	0.894192
cg140782							
31	chr1	15850601		-0.23967	-2.29776	0.022788	0.895122
cg145806							
49	chr4	1208147		-0.24381	-2.29278	0.02308	0.89634
cg184238							
59	chr18	60986742		-0.17839	-2.29926	0.022701	0.894355
cg063148							
72	chr16	66638702	LINC00920	-0.18309	-2.29611	0.022885	0.895787
		ZNF204P;LINC00					
cg032046							
78	chr6	26614535	240	0.621978	2.294288	0.022991	0.895787
cg047096							
75	chr7	75541952		-0.23697	-2.303	0.022484	0.893677
cg121236							
93	chr15	96454402		-0.38446	-2.29206	0.023123	0.89698
		ATP8B2;S100A1					
cg260100							
99	chr1	1.54E+08	A9	-0.37675	-2.29233	0.023107	0.896844
cg162625							
66	chr17	73400938		-0.36621	-2.29447	0.022981	0.895787



		ASPA;ENSG00000263050;TRPV3;HIC1;C17orf85;ENSG0000026275					
cg15965094	chr17	2898796	8;ATP2A3	0.480497	2.295613	0.022914	0.895787
cg11086421	chr5	1.41E+08		0.54517	2.290897	0.023191	0.89698
cg01330016	chr17	28549806		0.258583	2.295075	0.022945	0.895787
cg27307257	chr10	1.03E+08		0.297516	2.291423	0.02316	0.89698
cg18129282	chr10	89987284	RNLS	-0.37936	-2.29277	0.02308	0.89634
cg24688577	chr20	48807332	BCAS4;PARD6B	-0.20197	-2.28688	0.02343	0.898016
cg02078520	chr1	84944298	SPATA1	-0.26639	-2.29399	0.023009	0.895926
cg00164898	chr22	50709127		-0.23174	-2.29247	0.023098	0.896628
cg22465123	chr18	29598437		-0.24526	-2.29501	0.022949	0.895787
cg00169419	chr4	1.12E+08		0.415356	2.300369	0.022637	0.894192
cg23365739	chr14	57277178		0.263061	2.294151	0.022999	0.895877
cg13056927	chr3	42727915		0.445297	2.291405	0.023161	0.89698
cg14841011	chr1	3332125		-0.21777	-2.29282	0.023078	0.89634
cg00745607	chr6	26026583		0.216862	2.291164	0.023176	0.89698
cg08130814	chr8	6456465		0.296918	2.294407	0.022984	0.895787
cg07394827	chr1	1263239		0.25551	2.291197	0.023174	0.89698
cg12378436	chr10	1.35E+08		0.201457	2.295128	0.022942	0.895787
cg01434487	chr17	75953891		-0.36767	-2.29303	0.023065	0.896315
cg17488937	chr2	11878864		0.238111	2.29128	0.023169	0.89698
cg19727801	chr5	1.41E+08		0.483585	2.289106	0.023298	0.897904
cg13502903	chr1	94345034		0.442415	2.288977	0.023305	0.897904

cg098186							
37	chr17	20683924		0.234593	2.291534	0.023154	0.89698
cg259285							
21	chr11	14893339		0.275019	2.291589	0.02315	0.89698
cg195712							
14	chr14	21572474 RAB2B		-0.18809	-2.28876	0.023318	0.898016
cg136723							
00	chr19	52901307		0.412207	2.290777	0.023198	0.89698
cg228811							
41	chr22	46730765		-0.30943	-2.29109	0.02318	0.89698
cg038995							
98	chr16	734426		0.157825	2.294984	0.02295	0.895787
cg247675							
40	chr10	1.03E+08		0.343125	2.290066	0.023241	0.89751
cg067707							
90	chr6	43200203		-0.58112	-2.3013	0.022582	0.894192
cg066334							
29	chr5	76941396		0.307721	2.294064	0.023005	0.895877
cg201655							
45	chr1	3166599 MEGF6		-0.27339	-2.29078	0.023198	0.89698
cg118071							
88	chr1	65924844 CACHD1		-0.26293	-2.28688	0.02343	0.898016
cg013431							
51	chr15	78235484		-0.29572	-2.28628	0.023466	0.89823
cg101778							
13	chr13	44450844		-0.30595	-2.2945	0.022979	0.895787
cg200858							
12	chr3	39149038		-0.14778	-2.29275	0.023082	0.89634
cg192758							
95	chr3	10228718		0.295954	2.290188	0.023233	0.89751
cg255768							
18	chr7	27233141		0.238022	2.294977	0.022951	0.895787
cg000713							
81	chr1	1.2E+08		-0.27557	-2.29499	0.02295	0.895787
cg189176							
43	chr5	39476124 LIFR		0.427957	2.291931	0.02313	0.89698
cg203653							
30	chr10	1.35E+08		-0.30414	-2.29407	0.023004	0.895877
cg012200							
31	chr15	44117032		0.24931	2.289253	0.023289	0.897904
cg185857							
89	chr2	1.8E+08		-0.2949	-2.29723	0.022819	0.895787
cg099660							
38	chr19	11287317		-0.24372	-2.29039	0.023222	0.897342
cg260481							
17	chr8	1.44E+08		-0.17807	-2.29342	0.023042	0.895932
ch.7.3260							
8027F	chr7	32641502		-0.29924	-2.29089	0.023192	0.89698
cg189703							
46	chr20	43990951		0.306233	2.291894	0.023132	0.89698

cg257536							
31	chr6	25732923		0.406463	2.297802	0.022786	0.895122
cg253035							
99	chr11	61595807		0.198943	2.286154	0.023474	0.89823
cg054352							
95	chr11	1.26E+08		-0.26591	-2.28953	0.023272	0.897904
cg031428							
56	chr1	45271752		-0.30523	-2.28872	0.02332	0.898016
cg170957							
37	chr15	70654556		-0.32102	-2.29304	0.023065	0.896315
cg091663							
45	chr1	44821053		0.245516	2.289305	0.023286	0.897904
cg196419							
99	chr2	1.91E+08		-0.22067	-2.28629	0.023465	0.89823
cg041198							
44	chr10	29214361		0.273538	2.291012	0.023185	0.89698
cg221941		ENSG000002336					
88	chr17	62341149 35		0.374993	2.288981	0.023305	0.897904
cg220810							
96	chr17	67137953		-0.39847	-2.29857	0.022741	0.894791
cg155390							
73	chr19	30897675 CCNE1		0.237745	2.291397	0.023162	0.89698
cg270821							
85	chr18	5540805		-0.27793	-2.29926	0.022701	0.894355
cg229711							
57	chr5	1855043		0.345339	2.287778	0.023377	0.898016
cg010608							
61	chr10	28033840		0.250079	2.29293	0.023071	0.89634
cg042587							
71	chr9	77567031		-0.28972	-2.28686	0.023431	0.898016
cg164718							
64	chr4	38666270		-0.20947	-2.2939	0.023014	0.895932
cg141302							
72	chr6	31509427		-0.3789	-2.29031	0.023226	0.897359
cg058827							
81	chr10	63660566		0.314631	2.288227	0.02335	0.898016
cg027075							
93	chr5	54823369		-0.33065	-2.29964	0.022679	0.894355
cg100960		ENSG000002714					
40	chr14	1.01E+08 17;MEG8		-0.33654	-2.28784	0.023373	0.898016
cg230514							
11	chr2	2.37E+08		0.403405	2.288111	0.023357	0.898016
cg173382							
99	chr7	1.55E+08		-0.20131	-2.2925	0.023097	0.896628
cg005574							
69	chr5	1.34E+08		-0.18666	-2.29142	0.023161	0.89698
cg072704							
23	chr11	1.23E+08 SCN3B		-0.27772	-2.29154	0.023153	0.89698

cg019709							
37	chr3	15438972		0.232243	2.295103	0.022944	0.895787
cg181451							
89	chr11	66137134		-0.26402	-2.29098	0.023186	0.89698
cg061646							
60	chr12	1.29E+08		0.290574	2.285485	0.023514	0.89873
cg116350							
29	chr10	1.31E+08		-0.29516	-2.29518	0.022939	0.895787
cg145205							
11	chr7	91875046		-0.29686	-2.28795	0.023367	0.898016
cg009770							
04	chr2	2.38E+08		-0.29771	-2.2953	0.022932	0.895787
cg116747							
73	chr1	54518492		-0.33384	-2.28857	0.023329	0.898016
cg259479							
70	chr3	1.86E+08 DGKG;EIF4A2		-0.26357	-2.29361	0.023031	0.895932
cg245122							
97	chr8	98288091		-0.21364	-2.28485	0.023552	0.898782
cg174730							
22	chr6	1.5E+08		-0.22051	-2.29544	0.022924	0.895787
cg010488							
10	chr1	45142815 KDM4A;CCDC24		0.26341	2.288425	0.023338	0.898016
cg205417							
85	chr6	35772606		0.34035	2.293756	0.023023	0.895932
cg151269							
75	chr2	1.75E+08		0.344369	2.287952	0.023366	0.898016
cg067100							
82	chr6	29943408		0.391449	2.289954	0.023247	0.897603
cg007658							
30	chr1	76080294		0.465362	2.290105	0.023238	0.89751
cg218507							
02	chr4	744555		0.279522	2.290792	0.023198	0.89698
cg242414							
10	chr7	1.58E+08		-0.25789	-2.28834	0.023343	0.898016
cg043055							
39	chr1	2.47E+08		0.343365	2.292671	0.023087	0.89634
cg088315							
28	chr13	1.13E+08		-0.29511	-2.29431	0.02299	0.895787
cg051786							
54	chr12	1.21E+08 TRIAP1		-0.23367	-2.2895	0.023274	0.897904
cg005268							
43	chr6	33084420		-0.39624	-2.29427	0.022993	0.895787
cg001017							
13	chr15	32984867		-0.32624	-2.29059	0.02321	0.897123
cg052273							
43	chr10	89736642		-0.28693	-2.2883	0.023346	0.898016
cg016042							
10	chr1	24129185		-0.17424	-2.29103	0.023184	0.89698
cg170750							
19	chr10	79541650 DLG5		0.350575	2.294406	0.022984	0.895787

cg209950							
55	chr12	45270896		-0.37585	-2.2907	0.023203	0.89698
cg084993							
47	chr10	1.35E+08		-0.38785	-2.28842	0.023338	0.898016
cg265403							
70	chr19	1374742	FSTL3	0.347399	2.291967	0.023128	0.89698
cg003854							
41	chr20	43991402		0.343515	2.287149	0.023414	0.898016
cg268764							
44	chr1	65887413		0.378558	2.287244	0.023408	0.898016
cg132060							
17	chr3	1.87E+08		0.387394	2.293486	0.023039	0.895932
cg047391							
49	chr3	99833293		-0.31218	-2.28504	0.02354	0.898773
cg171702							
78	chr10	3465856		-0.54071	-2.28921	0.023292	0.897904
cg132148							
86	chr12	1.22E+08		-0.26589	-2.28744	0.023397	0.898016
cg112527							
65	chr20	36151120		-0.38428	-2.29452	0.022978	0.895787
cg046556							
99	chr6	30512550		-0.26095	-2.29536	0.022928	0.895787
cg241995							
99	chr20	62681243		0.302674	2.295275	0.022933	0.895787
cg203991							
31	chr2	74010621		0.261882	2.289796	0.023257	0.897885
cg011487							
28	chr11	1.17E+08	ZNF259	-0.20874	-2.28897	0.023305	0.897904
cg021552							
87	chr1	2.36E+08		-0.28217	-2.29405	0.023005	0.895877
cg094127							
92	chr19	54664028		0.252973	2.293463	0.02304	0.895932

			KIFC1;HLA-				
cg077030			DOA;HLA-				
81	chr6	33131426	DMA;HLA-DMB	-0.23665	-2.29223	0.023113	0.896864
cg203311							
55	chr11	1892074	LSP1;C11orf21	0.291023	2.287297	0.023405	0.898016
cg197015							
40	chr10	1.35E+08		-0.28407	-2.29199	0.023127	0.89698
cg047229			ENSG000002680				
77	chr19	42724320	27	-0.16707	-2.28923	0.02329	0.897904
cg158984							
14	chr1	58713367		0.379262	2.287203	0.023411	0.898016
cg214807							
25	chr15	30212981		-0.36604	-2.29069	0.023204	0.89698
cg198957							
86	chr1	26373006		0.215369	2.288289	0.023346	0.898016

cg198021							
38	chr13	1.13E+08		0.26618	2.293295	0.02305	0.896111
cg172645							
41	chr5	1.39E+08		-0.20368	-2.28739	0.0234	0.898016
ch.7.1147							
807F	chr7	49473528		0.334568	2.291458	0.023158	0.89698
cg192501							
01	chr19	54666215		0.22177	2.284318	0.023584	0.898937
cg006672			HLA-F;HLA-E;HLA-				
98	chr6	29576329	A	-0.27639	-2.29035	0.023224	0.897348
cg035854							
54	chr19	5623009		0.139484	2.287039	0.023421	0.898016
cg063750							
68	chr6	15849678		0.260509	2.2912	0.023173	0.89698
cg001745							
73	chr12	1.25E+08	CCDC92	-0.3695	-2.28539	0.023519	0.89873
cg098322							
37	chr7	1.52E+08		0.338438	2.288272	0.023347	0.898016
cg257846							
17	chr3	39323539		-0.24419	-2.28664	0.023444	0.898074
cg048125							
56	chr11	9112715		0.348392	2.287033	0.023421	0.898016
cg066379							
38	chr14	75390232		0.348963	2.295984	0.022892	0.895787
cg184363							
24	chr6	32820583		-0.23499	-2.28514	0.023535	0.89873
cg145950							
59	chr17	29158948		0.145504	2.289038	0.023302	0.897904
cg148959							
45	chr19	12889086		0.132609	2.290873	0.023193	0.89698
cg139712							
65	chr9	1.39E+08		-0.24169	-2.28808	0.023359	0.898016
cg138854			CHRD;HSP90AA5				
51	chr3	1.83E+08	P	-0.22463	-2.28508	0.023538	0.898751
cg243086							
54	chr4	48908619		-0.13585	-2.29167	0.023146	0.89698
cg113322							
36	chr15	90039818		0.363426	2.289956	0.023247	0.897603
cg234838							
40	chr6	29974844	HLA-F	0.639735	2.28376	0.023617	0.899219
cg168072							
41	chr22	20851062		-0.19223	-2.29137	0.023164	0.89698
cg260608							
17	chr5	14406676		0.233048	2.287521	0.023392	0.898016
cg202904							
91	chr6	1.39E+08		0.306789	2.292293	0.023109	0.896844
cg212958							
27	chr1	1.79E+08	RASAL2	-0.3297	-2.28746	0.023395	0.898016

cg063066							
36	chr18	12455633		-0.25123	-2.28872	0.02332	0.898016
cg173229							
35	chr7	91570297		0.15506	2.289317	0.023285	0.897904
cg215851							
38	chr3	50645106		-0.47304	-2.28642	0.023457	0.89823
cg120080							
54	chr13	53740191		-0.33531	-2.28901	0.023303	0.897904
cg257595							
33	chr19	6232399		-0.29654	-2.28535	0.023522	0.89873
cg169615							
45	chr12	16759571		-0.25145	-2.28876	0.023318	0.898016
cg246640							
38	chr6	27512849		0.412585	2.286562	0.023449	0.8981
cg097586							
89	chr8	48677108		0.310784	2.288645	0.023325	0.898016
cg121933			GALNT14;SLC30				
27	chr2	31454631	A6	0.321373	2.289461	0.023276	0.897904
cg190350							
04	chr12	15942522		-0.18004	-2.28675	0.023438	0.898016
cg001579							
35	chr13	25292918		0.39639	2.288259	0.023348	0.898016
cg034967							
09	chr10	29698460		-0.46004	-2.28476	0.023557	0.898782
cg265178							
89	chr13	25497356		-0.29958	-2.28764	0.023385	0.898016
cg207481			DNAH10;CCDC9				
32	chr12	1.25E+08	2	0.288813	2.28921	0.023291	0.897904
cg187789							
33	chr5	52760204		0.292941	2.294452	0.022982	0.895787
cg089955							
56	chr6	1.1E+08		0.262736	2.291027	0.023184	0.89698
cg233802							
16	chr12	1.21E+08		-0.18008	-2.28926	0.023288	0.897904
cg064870							
98	chr16	81924972		-0.23995	-2.28242	0.023698	0.899356
cg068156							
30	chr16	88156829		-0.28368	-2.28679	0.023436	0.898016
cg256956							
10	chr12	56040106		0.533692	2.292698	0.023085	0.89634
cg144158							
16	chr12	1.07E+08		0.232228	2.286256	0.023467	0.89823
cg173247							
76	chr17	41116197	RPL27	-0.18624	-2.29121	0.023173	0.89698
cg004707							
61	chr10	1.35E+08		-0.22413	-2.28731	0.023405	0.898016
cg052436							
29	chr7	1.43E+08		0.289722	2.289319	0.023285	0.897904
cg085240							
15	chr11	1.3E+08		-0.24331	-2.29007	0.02324	0.89751

cg273150							
77	chr21	46404584		-0.24095	-2.28717	0.023413	0.898016
cg109506							
61	chr11	31849156		0.355393	2.291406	0.023161	0.89698
cg086411							
55	chr16	70469236		0.206013	2.281355	0.023762	0.899356
cg202169							
28	chr10	1.35E+08	BNIP3	-0.32793	-2.28182	0.023734	0.899356
cg072314							
79	chr5	1.41E+08		0.261007	2.291252	0.02317	0.89698
cg011066							
49	chr2	1.28E+08		-0.27596	-2.28698	0.023424	0.898016
cg120572			ASAP2;CPSF3;KL				
42	chr2	9603687	F11	0.373314	2.296663	0.022852	0.895787
cg195551							
91	chr7	1.54E+08		0.296024	2.287365	0.023401	0.898016
cg157478							
25	chr6	28565626		0.393539	2.287146	0.023414	0.898016
cg238979							
27	chr2	2.37E+08		-0.31745	-2.28286	0.023672	0.899356
cg165939							
17	chr1	45793300		0.203054	2.285408	0.023518	0.89873
cg031176							
97	chr4	1.48E+08		-0.33612	-2.28752	0.023392	0.898016
cg194147							
22	chr5	1.02E+08		-0.28023	-2.28957	0.02327	0.897904
cg091966							
84	chr8	41386569		0.200839	2.286252	0.023468	0.89823
cg049194							
25	chr2	5551315		-0.37347	-2.28685	0.023432	0.898016
cg025957							
70	chr19	45867304		-0.25615	-2.28695	0.023426	0.898016
cg170536							
38	chr5	82159251		-0.22026	-2.28445	0.023576	0.898937
cg180586							
89	chr13	93879670		0.512422	2.285916	0.023488	0.898449
cg183149							
54	chr5	1.74E+08		-0.3174	-2.28388	0.02361	0.899219
cg000256							
26	chr2	2.39E+08		-0.27722	-2.28966	0.023265	0.897904
cg192950							
34	chr10	95721819		0.405249	2.284713	0.02356	0.898782
cg035401							
65	chr12	1.14E+08		0.195793	2.295983	0.022892	0.895787
cg245989							
06	chr15	61319340		0.239009	2.300012	0.022657	0.894355
cg242179			ENSG000002674				
48	chr18	42261980	14	0.297099	2.289036	0.023302	0.897904



cg011023							
11	chr19	36644751		0.316348	2.281779	0.023737	0.899356
cg074443							
23	chr20	3654504		0.282311	2.282074	0.023719	0.899356
cg248611							
91	chr19	2740086		0.211678	2.283491	0.023633	0.899356
cg120272		LINC00338;TMC					
54	chr17	76055290 8		0.310419	2.289357	0.023283	0.897904
cg173110							
63	chr14	51505490		-0.27507	-2.28146	0.023756	0.899356
cg132782							
67	chr2	38742843		0.543784	2.284685	0.023562	0.898782
cg117798							
08	chr8	2586225		0.540733	2.285538	0.02351	0.89873
cg114461							
93	chr11	57405815		-0.2716	-2.28521	0.02353	0.89873
cg193694							
24	chr6	1.52E+08		0.358911	2.282341	0.023703	0.899356
cg012021							
50	chr5	1.4E+08		0.226332	2.285813	0.023494	0.898449
cg202090							
09	chr17	45811322 LRRC37A17P		0.241076	2.284955	0.023545	0.898773
cg136430							
06	chr9	5833731		-0.30346	-2.28863	0.023326	0.898016
cg189524							
34	chr6	86446688		-0.33767	-2.28376	0.023617	0.899219
cg147468							
84	chr13	28537233 POMP		0.262992	2.286355	0.023462	0.89823
cg230565							
39	chr2	2.43E+08		-0.30116	-2.28618	0.023472	0.89823
cg093210							
29	chr16	67695670		0.173866	2.281051	0.023781	0.899356
cg228386							
02	chr15	23084962		0.257449	2.284584	0.023568	0.898854
cg121097							
28	chr4	87945786		-0.25419	-2.29051	0.023214	0.897139
cg097663							
23	chr1	27648393		-0.29325	-2.28325	0.023648	0.899356
cg111375							
78	chr5	80690458		0.39325	2.283123	0.023655	0.899356
cg022197							
00	chr13	95623675		0.284921	2.282238	0.023709	0.899356
cg032925							
44	chr17	27335348		-0.25151	-2.28667	0.023443	0.898074
cg095174							
50	chr5	1209057		-0.35741	-2.28151	0.023753	0.899356
cg215727		HIVEP1;TMEM17					
22	chr6	11044894 0B		0.252708	2.282011	0.023723	0.899356

cg260822						
80	chr22	39471675	-0.2257	-2.28592	0.023488	0.898449
cg144279						
72	chr9	1.41E+08	0.33375	2.28631	0.023464	0.89823
cg025983						
19	chr5	41160373	-0.32397	-2.28184	0.023733	0.899356
cg045042						
84	chr3	53079796	0.156814	2.285129	0.023535	0.89873
cg208255						
32	chr1	1.52E+08	-0.33138	-2.28761	0.023386	0.898016
cg033086						
28	chr12	95942287	-0.24565	-2.28269	0.023681	0.899356
cg083183						
65	chr2	29093905	0.342717	2.284511	0.023572	0.898937
cg255063						
25	chr7	2093962	-0.23858	-2.28209	0.023718	0.899356
cg139854						
45	chr9	90340577	0.372845	2.283149	0.023654	0.899356
cg129776						
86	chr17	62223379	0.231369	2.282436	0.023697	0.899356
cg039269						
58	chr10	9354305	-0.3274	-2.28415	0.023594	0.89917
cg143532						
58	chr7	1412822 SUN1	0.269669	2.284361	0.023581	0.898937
cg137850						
68	chr17	3416273 ITGAE	0.500532	2.281144	0.023775	0.899356
cg156764						
18	chr1	1.56E+08	0.214277	2.284302	0.023585	0.898937
cg202897						
46	chr10	1.06E+08 PDCD11	-0.21697	-2.28283	0.023673	0.899356
cg045131						
97	chr1	1.01E+08	0.2218	2.284103	0.023597	0.89917
cg261613						
29	chr17	56832991	0.257329	2.287213	0.02341	0.898016
cg148698						
45	chr5	1.11E+08	-0.2825	-2.28245	0.023696	0.899356
cg012089						
08	chr3	1.07E+08	-0.22175	-2.28465	0.023564	0.898786
cg226700						
33	chr5	1.81E+08 GFPT2	0.453429	2.281829	0.023734	0.899356
cg037389						
36	chr16	76670197	-0.33986	-2.28543	0.023517	0.89873
cg272656						
17	chr3	10371553	-0.2567	-2.28257	0.023689	0.899356
cg155859						
87	chr8	50824749	0.313634	2.28377	0.023617	0.899219
cg183054						
33	chr6	28972963	0.401934	2.282997	0.023663	0.899356
cg034272						
98	chr3	68982098	0.2652	2.287053	0.02342	0.898016

cg047054							
99	chr19	46796459		-0.27617	-2.28114	0.023775	0.899356
cg075318			ENSG000002727				
60	chr7	1.55E+08	60	-0.46406	-2.28047	0.023816	0.899356
cg151553							
60	chr8	1.43E+08		0.263018	2.286063	0.023479	0.898358
cg020182							
77	chr15	65116255		0.404481	2.286851	0.023432	0.898016
cg003418							
85	chr19	4323034	TJP3	0.703443	2.286757	0.023438	0.898016
cg017689							
60	chr8	41505625		-0.15645	-2.28406	0.023599	0.89917
cg149306							
90	chr6	28973828		-0.34889	-2.28107	0.02378	0.899356
cg062113							
85	chr15	65400172		0.384023	2.284064	0.023599	0.89917
cg120418							
48	chr20	45523294		-0.35643	-2.28493	0.023547	0.898773
cg032955							
42	chr8	89777219		-0.34738	-2.2843	0.023584	0.898937
cg194368							
04	chr8	8560866		-0.30132	-2.28269	0.023681	0.899356
cg005852							
13	chr2	2.37E+08		0.301935	2.282624	0.023686	0.899356
cg148847							
76	chr19	15122181		-0.24509	-2.28518	0.023532	0.89873
cg088802							
61	chr21	43547872		1.899561	2.283793	0.023615	0.899219
cg257014							
44	chr12	54521977	ITGB7	-0.30228	-2.28683	0.023433	0.898016
cg035112							
66	chr8	1.42E+08		-0.28294	-2.28522	0.02353	0.89873
cg124140							
70	chr12	1.18E+08		0.291978	2.280398	0.02382	0.899356
cg128567			ENSG000002482				
88	chr5	1.68E+08	22	-0.19498	-2.28547	0.023515	0.89873
cg072664							
12	chr7	1.02E+08		0.282886	2.287537	0.023391	0.898016
cg043882							
78	chr7	1.07E+08		-0.30462	-2.28768	0.023382	0.898016
cg135016							
16	chr6	29414910		-0.30755	-2.27963	0.023867	0.900373
cg070644							
06	chr20	43513064		-0.238	-2.28275	0.023678	0.899356
cg055562							
19	chr12	8372182		-0.20092	-2.28475	0.023558	0.898782
cg064994							
81	chr19	4932808		0.282967	2.290072	0.02324	0.89751
cg159914							
05	chr2	1.77E+08		0.359599	2.28789	0.02337	0.898016

cg245613							
48	chr20	43147940		-0.21315	-2.2893	0.023286	0.897904
cg196902							
14	chr6	1.55E+08		-0.3659	-2.28814	0.023355	0.898016
cg165555							
36	chr17	72733878		0.249786	2.285825	0.023493	0.898449
cg118211							
47	chr12	72057762		-0.26942	-2.29203	0.023125	0.89698
cg012690							
83	chr20	60744485		-0.23867	-2.28358	0.023628	0.899356
cg104135							
13	chr16	7106265		-0.2782	-2.27834	0.023945	0.900444
cg139155							
76	chr19	42807580		0.23712	2.283052	0.02366	0.899356
cg115296							
14	chr17	59941050		-0.25223	-2.28685	0.023432	0.898016
cg012733							
30	chr2	28605224		-0.28763	-2.28391	0.023608	0.899219
cg189058							
55	chr11	67195993		-0.20579	-2.28223	0.023709	0.899356
cg020931							
76	chr2	3660939		0.351509	2.28957	0.02327	0.897904
cg055269							
05	chr11	1.19E+08		0.313687	2.280539	0.023812	0.899356
cg036050							
66	chr5	1786804		0.314533	2.285252	0.023528	0.89873
cg228457							
23	chr15	64792069		-0.23627	-2.2781	0.02396	0.900444
cg080190							
58	chr2	1.06E+08		0.314056	2.288595	0.023328	0.898016
cg154881							
22	chr19	46105590		-0.28761	-2.28533	0.023523	0.89873
cg190050							
33	chr9	1.4E+08		0.249315	2.285193	0.023531	0.89873
cg171881							
69	chr6	74104388	DDX43	0.649293	2.278079	0.023961	0.900444
cg247010							
32	chr10	17183411		0.299974	2.281573	0.023749	0.899356

			CPE;HADHAP1;T				
cg250640			LL1;ENSG000002				
52	chr4	1.66E+08	48771	-0.32651	-2.28794	0.023367	0.898016
cg197906							
26	chr12	1.14E+08		0.230714	2.280838	0.023793	0.899356
cg085415							
99	chr19	579501		-0.25465	-2.28297	0.023665	0.899356
cg001021							
66	chr1	43425337	SLC2A1-AS1	-0.44926	-2.28079	0.023796	0.899356

cg117776							
11	chr17	63163163 DDX5	0.349148	2.283102	0.023657	0.899356	
cg052806							
98	chr19	37825388 ZNF382	0.714234	2.281329	0.023764	0.899356	
cg106269							
59	chr7	4800797	-0.28564	-2.28115	0.023774	0.899356	
cg069528							
62	chr2	2.2E+08	0.176858	2.280914	0.023789	0.899356	
cg057290							
93	chr16	27324953	-0.21729	-2.28197	0.023725	0.899356	
cg022355							
62	chr13	36729137	0.392795	2.284955	0.023545	0.898773	
cg131987							
09	chr10	1.02E+08	0.255171	2.279274	0.023888	0.900444	
cg019071							
94	chr14	1.04E+08	-0.19684	-2.28109	0.023778	0.899356	
cg030778							
36	chr2	9347292	-0.17421	-2.28204	0.023721	0.899356	
cg148418							
79	chr4	1.7E+08	-0.20714	-2.28489	0.023549	0.898782	
cg086994							
89	chr10	11504666	-0.29753	-2.28329	0.023645	0.899356	
cg142540							
80	chr2	85106954	0.276743	2.287148	0.023414	0.898016	
cg234454							
61	chr5	1.41E+08	-0.27413	-2.28674	0.023439	0.898016	
cg121772							
99	chr15	43473738	0.433238	2.279269	0.023889	0.900444	
cg260101							
82	chr1	1.47E+08	0.278863	2.292701	0.023085	0.89634	
cg113777							
30	chr8	17270604	0.290026	2.282651	0.023684	0.899356	
cg022674							
83	chr5	1.41E+08	0.381015	2.285875	0.02349	0.898449	

cg166822		ENSG000002321					
57	chr1	2.45E+08 92;ADSS;EFCAB2	-0.40084	-2.28813	0.023356	0.898016	
cg023285							
45	chr5	1.8E+08 TRIM41	-0.38583	-2.28066	0.023804	0.899356	
cg164664							
21	chr10	60029084	0.250352	2.281867	0.023731	0.899356	
cg230998							
39	chr8	2585976	0.738092	2.278189	0.023954	0.900444	
cg053387							
48	chr10	1.35E+08 MTG1	-0.24977	-2.28046	0.023816	0.899356	
cg217073							
11	chr8	67940640	-0.40158	-2.27811	0.023959	0.900444	
cg016970							
92	chr5	1.76E+08	0.251047	2.278116	0.023959	0.900444	

cg10256219	chr17	44270511		-0.49008	-2.28069	0.023802	0.899356
cg02497785	chr7	48494608		0.470238	2.282929	0.023667	0.899356
cg07227926	chr12	1.05E+08		-0.15775	-2.28045	0.023817	0.899356
cg12117212	chr4	2438678	ZFYVE28	-0.20074	-2.2866	0.023447	0.898098
cg06413196	chr7	640338	PSMG3	0.456789	2.279245	0.02389	0.900444
cg15460046	chr19	18988945		-0.25439	-2.28182	0.023734	0.899356
cg23477849	chr19	5698492		-0.20867	-2.28301	0.023662	0.899356
cg24435924	chr19	12978255		0.236447	2.282352	0.023702	0.899356
cg17853691	chr13	94533744		-0.32313	-2.28035	0.023823	0.899356
cg25674709	chr12	1.06E+08	CKAP4	-0.18847	-2.27848	0.023937	0.900444
cg04268624	chr5	43037285		0.420862	2.281185	0.023772	0.899356
cg10676327	chr4	6659735		-0.48457	-2.28089	0.02379	0.899356
cg13605404	chr10	79736386		-0.22025	-2.28257	0.023689	0.899356
cg04815713	chr13	1.11E+08	COL4A2;COL4A1	0.248797	2.28314	0.023654	0.899356
cg01556979	chr22	50727524		0.346052	2.282501	0.023693	0.899356
cg08813349	chr13	1.01E+08		0.252971	2.283312	0.023644	0.899356
cg04479757	chr22	26951319	ASPHD2	0.27326	2.276582	0.024052	0.900532
cg07899634	chr6	33234620		-0.22538	-2.28052	0.023813	0.899356
cg11522069	chr7	82286499		-0.34676	-2.27874	0.023921	0.900444
cg12071888	chr1	91195159	TGFBR3	0.283046	2.283627	0.023625	0.899356
cg20619808	chr17	27313499	RPS7P1;SDF2;TWF1P1;TIAF1;T MEM199	-0.22063	-2.28167	0.023743	0.899356
cg08763705	chr5	1.4E+08		0.225849	2.279492	0.023875	0.900444

			NUCB2;NCR3LG 1;ENSG0000026 0196;USH1C;SO				
cg153067							
94	chr11	16998450	X6;PLEKHA7	0.372863	2.286823	0.023434	0.898016
cg085132							
53	chr6	1.08E+08	LACE1	0.380503	2.283772	0.023616	0.899219
cg218842							
31	chr3	1.7E+08		0.59606	2.282652	0.023684	0.899356
cg247733							
24	chr19	15529844		-0.26678	-2.28025	0.023829	0.899503
cg007217							
72	chr16	25122070		0.372844	2.283023	0.023662	0.899356
cg233195							
46	chr10	75173760		-0.24464	-2.28072	0.023801	0.899356
cg080339							
21	chr16	82362875		0.386261	2.284731	0.023559	0.898782
cg144293							
69	chr4	1.9E+08	FRG1	0.211041	2.284339	0.023582	0.898937
cg024877							
12	chr10	1.35E+08		-0.28267	-2.28037	0.023822	0.899356
cg107284							
52	chr11	1.34E+08		-0.20318	-2.28176	0.023737	0.899356
cg022408							
76	chr20	61924240	RPS21	-0.18986	-2.27809	0.02396	0.900444
cg249412							
41	chr6	1.23E+08		-0.3574	-2.28158	0.023749	0.899356
			FOXQ1;FOXF2;M				
cg253205							
87	chr6	1684567	YLK4;FOXC1	0.474999	2.29384	0.023018	0.895932
cg223537							
92	chr12	53183508		-0.15387	-2.28061	0.023807	0.899356
cg006206							
29	chr6	1.17E+08	NIP7P3	-0.19857	-2.27868	0.023924	0.900444
cg253889							
71	chr5	1085895		-0.27657	-2.28071	0.023801	0.899356
cg051678							
57	chr16	86121574		-0.32894	-2.27683	0.024037	0.900532
cg031684							
47	chr17	79880450		0.287534	2.281414	0.023759	0.899356
cg021967							
34	chr15	75018032		-0.25239	-2.27977	0.023858	0.900213
cg029082							
85	chr3	30951484		-0.2401	-2.2776	0.02399	0.900505
cg187944							
73	chr8	77617694		-0.32335	-2.28225	0.023708	0.899356

cg008843							
34	chr15	34787920		0.364901	2.277646	0.023987	0.900505
cg134411							
42	chr10	1.34E+08		0.33141	2.27572	0.024105	0.900878
cg189527							
96	chr7	98246633	KPNA7	0.597735	2.285361	0.023521	0.89873
			HIF3A;DACT3;N				
cg121656			OVA2;EHD2;AP2				
85	chr19	47288109	S1	-0.35723	-2.27801	0.023965	0.900444
cg112053							
35	chr14	1.01E+08		0.333356	2.277936	0.02397	0.900483
cg055508							
93	chr17	1880884		0.212991	2.277489	0.023997	0.900532
cg046972							
99	chr2	2.01E+08	NIF3L1;SPATS2L	0.283666	2.27803	0.023964	0.900444
cg249148							
99	chr8	1.04E+08		-0.30084	-2.27884	0.023915	0.900444
cg043141							
30	chr2	2692944		0.283541	2.276865	0.024035	0.900532
cg065296							
85	chr8	43132125		0.337143	2.276379	0.024065	0.900532
cg092539							
31	chr11	826942	TMEM80	0.266854	2.281356	0.023762	0.899356
cg094792							
41	chr17	27052676	CORO6	-0.34637	-2.2801	0.023838	0.899767
cg096621							
50	chr8	38854671	PLEKHA2	-0.19653	-2.27836	0.023944	0.900444
cg102778							
64	chr6	7771406		-0.3244	-2.27938	0.023882	0.900444
cg225753							
47	chr6	31973180		-0.28381	-2.28317	0.023653	0.899356
cg052066							
61	chr2	11271531		0.313603	2.280868	0.023792	0.899356
cg043831							
54	chr17	80968667		-0.44338	-2.27863	0.023927	0.900444
cg082302							
15	chr19	18208303		0.300474	2.278114	0.023959	0.900444
cg212292							
68	chr21	34442350		0.443811	2.278653	0.023926	0.900444
cg031601							
74	chr12	12015769		0.294266	2.279134	0.023897	0.900444
cg115214							
67	chr17	71640299		-0.22302	-2.27655	0.024054	0.900532
ch.13.880							
42475R	chr13	89244474		-0.35447	-2.27639	0.024064	0.900532
cg216391							
78	chr7	32530047		-0.1708	-2.2784	0.023942	0.900444
cg223213							
27	chr11	47639458		-0.34533	-2.28592	0.023487	0.898449



cg054358							
53	chr12	56615825		-0.21888	-2.28233	0.023703	0.899356
cg034645							
29	chr10	76833368		0.213704	2.277808	0.023977	0.900487
cg079317							
83	chr6	49431133		-0.1466	-2.28621	0.02347	0.89823
cg085538							
57	chr19	994362 ARID3A		0.330754	2.274795	0.024162	0.901802
cg253241							
05	chr19	38183259 ZNF781		0.328611	2.277268	0.02401	0.900532
cg004960							
04	chr11	1.3E+08		-0.24335	-2.27823	0.023952	0.900444
cg049512							
04	chr7	94537584		0.191606	2.281157	0.023774	0.899356
cg251930							
73	chr7	1967621		0.201319	2.278118	0.023959	0.900444
cg228736							
61	chr14	88788597 GALC		0.336569	2.279915	0.023849	0.900042
cg215891							
15	chr19	49867114		0.292517	2.273351	0.02425	0.902157
cg220655							
00	chr7	1.29E+08		-0.17039	-2.28141	0.023759	0.899356
cg262784							
57	chr7	76029881		0.258185	2.27623	0.024074	0.900532
cg050415							
96	chr11	89867385		-0.61559	-2.27583	0.024098	0.900878

			FERMT3;RASGRP				
cg163457			2;CTSW;SIPA1;N				
20	chr11	64727184 AALADL1;OVOL1		-0.39704	-2.27866	0.023926	0.900444
cg040210							
14	chr22	49502115		-0.20511	-2.28003	0.023842	0.899855
cg139085							
07	chr10	71876389 PRF1		-0.22377	-2.27788	0.023973	0.900483
cg027445							
24	chr3	1.39E+08		0.323223	2.276694	0.024046	0.900532
cg158484							
93	chr13	1.13E+08		-0.26452	-2.27638	0.024065	0.900532
cg211444							
62	chr17	42082647		0.181667	2.278106	0.023959	0.900444
cg092993							
88	chr6	49755190		-0.32448	-2.28245	0.023696	0.899356
cg265370							
76	chr2	1.97E+08		0.268718	2.274494	0.02418	0.902014
cg182656							
65	chr7	93534024		-0.30005	-2.28205	0.02372	0.899356
cg236323							
89	chr17	79953908		-0.25423	-2.27305	0.024269	0.902168

cg144539							
35	chr18	77398086		0.302322	2.278098	0.02396	0.900444
cg070970			ENSG000002671				
41	chr18	12658644	99	0.371158	2.27871	0.023923	0.900444
cg133221							
31	chr6	50814305		0.228607	2.280691	0.023802	0.899356
cg089657							
23	chr16	1662801	IFT140	-0.19663	-2.2752	0.024137	0.901261
cg023925							
75	chr12	1.01E+08		-0.16379	-2.27756	0.023993	0.900516
cg178046							
51	chr1	1.1E+08		0.188444	2.281563	0.02375	0.899356
cg057763							
88	chr17	72983414	RPL38	0.264226	2.275143	0.02414	0.901313
cg171626							
82	chr2	1.36E+08		0.447087	2.273606	0.024235	0.902157
cg143125							
86	chr17	8079878		0.140025	2.276843	0.024036	0.900532
cg027659							
62	chr5	1.75E+08		0.239592	2.27608	0.024083	0.900532
cg145579							
09	chr17	27055507	RPS7P1	-0.21746	-2.27384	0.02422	0.902157
cg246772							
78	chr6	28479430		-0.32978	-2.27801	0.023965	0.900444
cg257704							
95	chr19	14692759		0.2137	2.278307	0.023947	0.900444
cg218776							
56	chr19	58662188		-0.1678	-2.2797	0.023862	0.900285
cg193044							
32	chr11	1.03E+08		-0.18814	-2.27763	0.023988	0.900505

			RARRES3;VEGFB; NAALADL1;C11o				
cg185026							
17	chr11	64067409	rf95	-0.31088	-2.27663	0.024049	0.900532
cg037658							
85	chr2	1.2E+08		0.283107	2.275419	0.024123	0.900998
cg112176							
66	chr3	1.35E+08		-0.26266	-2.2755	0.024118	0.900998
cg100395							
90	chr8	8859974		0.296094	2.277851	0.023975	0.900483
cg127728							
21	chr2	1.02E+08		-0.32091	-2.27718	0.024016	0.900532
cg271457			DENND6B;ODF3				
40	chr22	50725817	B	0.303827	2.278934	0.023909	0.900444
cg078162							
00	chr6	79580466		-0.21878	-2.27255	0.0243	0.902441
cg112003							
58	chr6	24719988		0.22501	2.273871	0.024218	0.902157

cg236233							
86	chr1	63793318	DLEU2L	-0.26609	-2.2818	0.023735	0.899356
cg080856							
39	chr19	1506135	C19orf25	-0.29146	-2.27617	0.024077	0.900532
cg167759							
39	chr3	1.97E+08		-0.28125	-2.27556	0.024115	0.900998
cg085160							
35	chr1	2.49E+08		0.189979	2.279281	0.023888	0.900444
cg209790							
03	chr3	1.41E+08		-0.17691	-2.27871	0.023922	0.900444

			ENSG000002279				
cg142855			10;ENSG000002				
33	chr7	63386328	14652;NMD3P1	0.649901	2.2731	0.024266	0.902168
cg130131							
79	chr2	1.1E+08		0.258269	2.280362	0.023822	0.899356
cg040629							
07	chr12	1.11E+08		-0.23182	-2.28045	0.023817	0.899356
cg096380							
01	chr20	44520063		-0.16372	-2.27607	0.024084	0.900532
ch.10.115							
9788F	chr10	54520479		0.491854	2.276145	0.024079	0.900532
cg217543							
88	chr13	37004747		0.363706	2.27374	0.024227	0.902157
cg066545							
37	chr13	1.01E+08		0.243833	2.275715	0.024105	0.900878
cg069611							
63	chr17	18759701	SNORD3B-1;FLII	0.202132	2.276423	0.024062	0.900532
cg263262							
98	chr15	42867856		-0.18932	-2.27584	0.024098	0.900878
cg095181							
31	chr16	28975995		-0.21804	-2.27578	0.024101	0.900878
cg164573							
07	chr8	1381090		-0.26984	-2.27346	0.024244	0.902157
cg229547							
03	chr4	980640		-0.18109	-2.27479	0.024162	0.901802
cg112136							
90	chr7	1.49E+08		0.258826	2.272985	0.024273	0.902168
cg016870							
40	chr12	55043559		-0.33584	-2.27528	0.024132	0.901243
cg000220							
24	chr9	1.39E+08		0.283512	2.277769	0.02398	0.900487
cg078029							
09	chr5	1.7E+08		0.305627	2.275241	0.024134	0.901249
cg197082							
01	chr1	2.38E+08		-0.50433	-2.27984	0.023854	0.900142
cg215039							
04	chr17	41025548		0.28894	2.277463	0.023999	0.900532

cg089706							
94	chr11	5290746		-0.30401	-2.27384	0.02422	0.902157
cg107228							
46	chr8	1.41E+08		0.171774	2.278413	0.023941	0.900444
cg203151							
24	chr5	26669632		0.36053	2.273726	0.024227	0.902157
cg197365							
03	chr6	84563604		0.365615	2.27405	0.024207	0.902157
cg066521							
46	chr10	14879979		-0.18218	-2.27722	0.024013	0.900532
cg138917							
68	chr4	1.12E+08		0.415756	2.278295	0.023948	0.900444
cg232903							
44	chr8	24771466		0.592758	2.274566	0.024176	0.901929
cg199544							
48	chr17	76641496		-0.31448	-2.2773	0.024009	0.900532
cg053875		ENSG000002374					
19	chr1	50489730 78		0.336992	2.278526	0.023934	0.900444
cg010625							
19	chr17	34122169		0.245396	2.272524	0.024301	0.902441
cg094758							
15	chr1	2.47E+08		0.128923	2.276114	0.024081	0.900532
cg151983							
44	chr19	48304772		-0.28324	-2.27716	0.024017	0.900532
cg235081		ENSG000002565					
84	chr12	1.33E+08 76		-0.29737	-2.27211	0.024327	0.902459
cg054928							
45	chr11	64002298 ATL3		0.139991	2.281491	0.023754	0.899356
cg069208							
88	chr10	1.31E+08		0.323777	2.273341	0.024251	0.902157
cg021815							
59	chr7	1.53E+08		-0.35013	-2.27169	0.024353	0.902459
cg166924							
94	chr7	1.01E+08		0.264054	2.273552	0.024238	0.902157
cg136616							
23	chr12	6786877 USP5		0.245877	2.276913	0.024032	0.900532
cg139144							
86	chr10	6117324		-0.44867	-2.27689	0.024033	0.900532
cg075101							
75	chr7	1030700 SUN1		-0.38396	-2.27417	0.0242	0.902157
cg108585							
23	chr1	1.51E+08		0.230623	2.278128	0.023958	0.900444
cg191367							
17	chr15	72766740		-0.20277	-2.27241	0.024308	0.902459
cg102890							
80	chr4	1.75E+08		0.278032	2.276438	0.024061	0.900532
cg135461							
73	chr1	93645433		0.238363	2.270678	0.024416	0.902755
cg237302							
22	chr17	717806		-0.27562	-2.27435	0.024189	0.902157

cg123135						
93	chr19	15619224	0.296755	2.272778	0.024286	0.902173
cg218194						
68	chr1	13910569	-0.34277	-2.2767	0.024045	0.900532
cg165595						
98	chr12	1.15E+08	0.193439	2.274411	0.024185	0.902125
cg241528						
18	chr13	72259543	-0.37362	-2.27711	0.02402	0.900532
cg079595						
74	chr4	42401056	0.335445	2.277099	0.024021	0.900532
cg212706						
75	chr2	54859871	-0.25299	-2.27792	0.023971	0.900483
cg132153						
87	chr10	1.05E+08	-0.23708	-2.27196	0.024336	0.902459
cg022484						
86	chr7	27183196	0.299754	2.282778	0.023676	0.899356
cg120391						
97	chr2	74120092 HK2;MTHFD2	0.26646	2.275474	0.02412	0.900998
cg152796						
16	chr6	1.68E+08	-0.23766	-2.2772	0.024015	0.900532
cg187721						
27	chr3	32443496	0.211978	2.275434	0.024123	0.900998
cg161687						
05	chr13	24462987	-0.22392	-2.27664	0.024049	0.900532
cg053800						
03	chr5	1.76E+08	-0.19372	-2.27382	0.024222	0.902157
cg020081						
54	chr7	35293537	0.309336	2.272226	0.02432	0.902459
cg090664						
39	chr1	1.47E+08	0.199758	2.27323	0.024258	0.902157
cg014394						
88	chr20	10015909	0.28794	2.278348	0.023945	0.900444
cg131550						
59	chr7	1.17E+08	0.272772	2.27511	0.024142	0.901313
cg022046						
18	chr2	36842633	-0.35398	-2.27287	0.02428	0.902173
cg012880						
67	chr9	36572645	-0.19729	-2.27302	0.024271	0.902168
cg012954						
77	chr2	2.04E+08	0.225321	2.275713	0.024106	0.900878
cg002815						
51	chr4	41884566	0.303126	2.277625	0.023989	0.900505
cg249259						
01	chr13	1.12E+08	0.299905	2.273092	0.024266	0.902168
cg036686						
21	chr18	268184	-0.21268	-2.28392	0.023608	0.899219
cg243469						
05	chr1	1.08E+08	0.476749	2.273404	0.024247	0.902157
cg009273						
64	chr2	66275191	-0.33647	-2.2699	0.024463	0.903165

cg221171							
07	chr15	45993392		0.260664	2.278289	0.023948	0.900444
cg162353							
71	chr5	1.41E+08		0.291564	2.277429	0.024001	0.900532
cg257361							
83	chr2	1.35E+08	MAP3K19	-0.26922	-2.27629	0.02407	0.900532
cg007069			NCKAP1L;TESPA				
66	chr12	54965787	1	-0.17486	-2.27917	0.023894	0.900444
cg257180							
35	chr10	8085029		0.231038	2.273526	0.02424	0.902157
cg033538							
85	chr13	1.13E+08		0.307105	2.272104	0.024327	0.902459
cg036884							
00	chr22	40061578		-0.18848	-2.27116	0.024386	0.902571
cg005363							
66	chr22	40052857	TOMM22	0.252365	2.271987	0.024335	0.902459
cg114066			MAK;C6orf52;SY				
67	chr6	11272495	CP2L;SMIM13	-0.27053	-2.27627	0.024072	0.900532
cg166918							
63	chr1	28848173		-0.21297	-2.27419	0.024199	0.902157
cg019436							
57	chr4	1.02E+08		-0.20415	-2.27099	0.024396	0.902571
cg199405							
84	chr1	1.16E+08		0.292385	2.280614	0.023807	0.899356
cg166744							
33	chr17	19314408		-0.22927	-2.27384	0.02422	0.902157
cg108880							
31	chr1	2938799		-0.37204	-2.26922	0.024506	0.903179
cg072946							
24	chr20	62374166		0.305003	2.27932	0.023886	0.900444
cg053323							
08	chr16	62442964		0.466037	2.274567	0.024176	0.901929
cg187932							
88	chr20	30946072		-0.15411	-2.27109	0.02439	0.902571
cg078286							
12	chr1	1.74E+08		0.275967	2.26941	0.024494	0.903179
cg210043							
58	chr4	1.87E+08		0.946052	2.274057	0.024207	0.902157
cg088150							
81	chr10	28035731		0.306761	2.271392	0.024371	0.902571
cg099337							
26	chr11	67250445		-0.19283	-2.27404	0.024208	0.902157
cg215392							
43	chr1	1.14E+08		-0.32838	-2.27469	0.024168	0.901923
cg082973							
93	chr2	1.01E+08	LONRF2	0.465899	2.272069	0.02433	0.902459
cg080881							
71	chr17	77003113		0.180344	2.268911	0.024525	0.903179

cg235445						
26	chr7	66368779	-0.26155	-2.27072	0.024413	0.902735
cg146520						
56	chr6	29760688	0.238278	2.273125	0.024264	0.902168
cg154655						
71	chr1	17338208	-0.1977	-2.2766	0.024051	0.900532
cg223393						
56	chr7	8473385	0.185226	2.272913	0.024277	0.902173
cg042967						
78	chr1	94344488	0.199017	2.272207	0.024321	0.902459
cg064908						
45	chr16	88858315	0.254059	2.277746	0.023981	0.900487
cg045107						
88	chr1	37498900 MEAF6	0.388884	2.270929	0.0244	0.902571
cg133862						
17	chr8	2019935	-0.26255	-2.27263	0.024295	0.902408
cg019482						
01	chr2	64682236	0.208105	2.276165	0.024078	0.900532
cg234079						
70	chr6	1.26E+08	-0.29077	-2.27366	0.024231	0.902157
cg171815						
43	chr1	77746571	-0.22339	-2.27661	0.024051	0.900532
cg117742						
51	chr8	697110	0.356759	2.276111	0.024081	0.900532
cg146019						
38	chr1	1.5E+08	-0.17316	-2.2697	0.024476	0.903179
cg040998						
03	chr1	81772036	0.342249	2.269957	0.02446	0.903165
cg119918						
59	chr14	33408527	-0.29118	-2.27299	0.024272	0.902168
cg241512						
67	chr17	48556017	-0.21955	-2.27913	0.023897	0.900444
cg255592						
62	chr6	30432200	0.367749	2.270203	0.024445	0.903165
cg275127						
07	chr6	9896436	-0.25229	-2.27176	0.024349	0.902459
cg156856						
72	chr5	95298307	0.284503	2.271847	0.024343	0.902459
cg000274						
00	chr18	49866412	0.307798	2.268658	0.024541	0.903247
cg001757						
34	chr6	8082136	0.334487	2.276132	0.02408	0.900532
cg100745						
13	chr1	3541656	0.19695	2.275547	0.024116	0.900998
cg123828						
46	chr20	60892121	-0.58469	-2.27126	0.024379	0.902571
cg116886						
16	chr1	2.42E+08	0.190754	2.271004	0.024395	0.902571
cg250764						
08	chr6	1.59E+08	-0.34059	-2.26787	0.02459	0.90356

cg106000							
04	chr20	61664556		-0.44181	-2.26595	0.024709	0.903591
cg069005							
14	chr2	39696979		-0.37907	-2.2693	0.024501	0.903179
cg057573							
78	chr10	89510422		-0.41869	-2.27187	0.024342	0.902459
cg223405							
08	chr19	22891978		0.427291	2.273302	0.024254	0.902157
cg268703							
37	chr1	22777672		-0.22013	-2.27323	0.024258	0.902157
cg046426							
27	chr16	81944286		-0.31291	-2.27087	0.024404	0.902571
cg033702		ENSG000002720					
70	chr7	1.06E+08 72		-0.23299	-2.27458	0.024175	0.901929
cg022814							
93	chr10	67086005		-0.35797	-2.27565	0.024109	0.900937
cg018630							
81	chr8	1.44E+08		-0.28896	-2.27231	0.024315	0.902459
cg112518							
58	chr6	1.52E+08		0.303067	2.274853	0.024158	0.901802
cg171409							
78	chr8	26324990 EBF2;PTK2B		-0.35072	-2.27287	0.02428	0.902173
cg231211		SGCD;CLINT1;LS					
70	chr5	1.56E+08 M11		-0.32504	-2.26995	0.024461	0.903165
ch.2.1726							
169F	chr2	76544366 RN7SKP203		0.443741	2.269216	0.024506	0.903179
cg233335							
13	chr19	38210837		0.245837	2.274205	0.024198	0.902157
cg128592							
13	chr7	30637735		0.284384	2.269655	0.024479	0.903179
cg232326							
12	chr19	42351841 RPS19		0.225491	2.269223	0.024506	0.903179
cg012665							
43	chr2	1.36E+08		-0.25977	-2.26979	0.02447	0.903165
cg006474							
03	chr16	23521932		0.282332	2.272002	0.024334	0.902459
cg076993							
00	chr15	29392964		-0.23219	-2.27232	0.024314	0.902459
cg266661							
33	chr12	90101389		0.184127	2.276987	0.024028	0.900532
cg079006							
58	chr6	7389903		-0.2584	-2.27121	0.024382	0.902571
cg131496							
00	chr21	43374220 C2CD2		-0.21311	-2.26731	0.024625	0.903573
cg034327							
36	chr4	10119609		0.35335	2.269291	0.024502	0.903179
cg267242							
48	chr22	46645903		-0.40493	-2.27105	0.024392	0.902571



cg012675							
32	chr18	76266372		0.397427	2.270985	0.024396	0.902571
cg060537							
38	chr6	30068793	ZNRD1-AS1	-0.17144	-2.26902	0.024518	0.903179
cg067270							
93	chr5	1.57E+08		0.208445	2.271501	0.024365	0.902571
cg149769							
78	chr11	67159397		-0.1468	-2.27261	0.024296	0.902408
cg237419							
82	chr12	68726228		-0.25924	-2.26892	0.024524	0.903179
cg050890							
90	chr13	37005570		0.178643	2.272362	0.024311	0.902459
cg006945							
57	chr1	61351861		-0.39625	-2.26916	0.02451	0.903179
cg033989							
66	chr3	48225680		-0.17464	-2.27171	0.024352	0.902459
cg030324							
43	chr19	6280893		0.36905	2.27112	0.024388	0.902571
cg228620							
94	chr5	1.07E+08		-0.47319	-2.27211	0.024327	0.902459
cg080604							
54	chr3	1.37E+08		0.202762	2.269933	0.024462	0.903165
cg106009							
17	chr12	1.21E+08		0.184009	2.273748	0.024226	0.902157
cg173286							
59	chr16	729498		0.299744	2.267631	0.024605	0.903573

			C2orf70;MAPRE				
cg185621			3;DRC1;IFT172;A				
21	chr2	27076093	GBL5	-0.35223	-2.26696	0.024647	0.903573
cg218658							
45	chr3	79815848		0.354789	2.266973	0.024646	0.903573
cg223563							
81	chr12	81026691		0.323256	2.274002	0.02421	0.902157

			ENSG000002441				
cg215771			37;CAPN9				
21	chr1	2.31E+08		-0.21477	-2.26889	0.024526	0.903179
cg206652							
05	chr15	49254494	SHC4	-0.48123	-2.2735	0.024242	0.902157
cg065626							
44	chr10	1.35E+08		-0.2648	-2.26604	0.024704	0.903591
cg153343							
80	chr17	178107		0.199213	2.274222	0.024197	0.902157
cg129402							
69	chr6	1.6E+08		0.282568	2.267825	0.024593	0.90356
cg019945							
99	chr6	56911255		-0.19864	-2.27093	0.0244	0.902571
cg133321							
30	chr19	41284234		-0.14732	-2.26717	0.024633	0.903573

cg250074			ENSG000002587				
22	chr14	97211894	02;C14orf132	-0.26591	-2.27107	0.024391	0.902571
cg213755							
58	chr18	3262144		0.179253	2.266607	0.024669	0.903591
cg270061							
69	chr4	85612912	WDFY3-AS2	-0.53566	-2.27283	0.024283	0.902173
cg156172							
97	chr10	81965460		-0.19153	-2.26978	0.024471	0.903165

			SAMD15;TMEM				
cg092513			63C;IFT43;NOXR				
17	chr14	77393865	ED1	-0.26354	-2.2737	0.024229	0.902157
cg027118							
49	chr3	1.26E+08	CCDC37	0.203406	2.270131	0.024449	0.903165
cg138894							
67	chr9	1.38E+08		-0.2604	-2.27148	0.024366	0.902571
cg062950							
71	chr21	33766731		-0.3106	-2.26816	0.024572	0.90356
cg071430							
83	chr7	70597921		0.660817	2.267345	0.024623	0.903573
cg001676							
55	chr2	71559112		-0.31457	-2.27009	0.024452	0.903165

			ENSG000002142				
			64;ENSG000002				
			55428;ENSG000				
			00255093;BTG4;				
			BCO2;ENSG0000				
cg263894			0255208;POU2A				
65	chr11	1.12E+08	F1	-0.20785	-2.26776	0.024597	0.90356
cg101014							
58	chr12	50561094		-0.16712	-2.26673	0.024661	0.903591
cg184721							
85	chr4	1.7E+08		0.309975	2.268998	0.02452	0.903179

			FAM92B;FOXF1;				
			USP10;ENSG000				
cg042678			00262601;FEND				
28	chr16	85741460	RR	0.282796	2.272116	0.024327	0.902459
cg071232							
27	chr8	30891112		-0.20444	-2.26866	0.024541	0.903247
ch.15.160							
6867R	chr15	92547181		-0.26816	-2.26936	0.024497	0.903179

cg007390							
66	chr4	1.84E+08		0.344605	2.270017	0.024456	0.903165
cg066137							
55	chr15	91538151		-0.18981	-2.2702	0.024445	0.903165
cg154548							
57	chr15	40861335		-0.3511	-2.26673	0.024661	0.903591
cg198310			GIMAP8;GIMAP				
77	chr7	1.51E+08	5	0.232344	2.265263	0.024753	0.90377
cg210082							
08	chr7	1.51E+08	NOS3;CDK5	-0.34223	-2.27859	0.02393	0.900444
cg264139							
42	chr5	1.24E+08		-0.36467	-2.27236	0.024311	0.902459
cg091516							
13	chr2	2.18E+08	TNS1;DIRC3	0.298607	2.269173	0.024509	0.903179
cg051533							
64	chr12	4382086		-0.17417	-2.27326	0.024256	0.902157
cg265890			VASN;PPL;GLIS2;				
69	chr16	4983989	SRL	-0.34975	-2.26896	0.024522	0.903179
ch.1.4603							
470R	chr1	2.33E+08		0.425999	2.269446	0.024492	0.903179
cg092263							
19	chr4	74698986		-0.25533	-2.28061	0.023807	0.899356
cg025086							
97	chr11	1.24E+08		-0.42294	-2.26742	0.024618	0.903573
cg089972							
53	chr9	1.05E+08		0.34008	2.269749	0.024473	0.903165
cg050847							
00	chr13	1.14E+08		-0.20774	-2.26836	0.024559	0.90356
cg237785							
96	chr7	1.49E+08		0.47206	2.271193	0.024384	0.902571
cg110586							
96	chr20	16711094		0.223421	2.271058	0.024392	0.902571
cg000881							
83	chr1	91185168		0.360476	2.267099	0.024638	0.903573
cg220365							
26	chr19	17330079	COLGALT1	-0.2226	-2.26907	0.024515	0.903179
cg078282			CDNF;MEIG1;CC				
94	chr10	14091532	DC3	0.431688	2.270579	0.024422	0.902903
cg256780							
88	chr7	96632460		0.217111	2.269127	0.024512	0.903179
cg159671							
88	chr4	2470700		-0.24568	-2.27002	0.024456	0.903165
cg208080							
89	chr6	11360140		-0.3174	-2.26895	0.024523	0.903179
cg170308							
41	chr2	2.4E+08		-0.18411	-2.26977	0.024472	0.903165
cg112761							
89	chr7	1.59E+08		0.480192	2.299669	0.022677	0.894355

cg145952							
75	chr17	62075755	-0.22288	-2.26606	0.024703	0.903591	
cg271789							
22	chr1	2.13E+08	0.280857	2.27024	0.024443	0.903165	
cg219266							
03	chr8	1.24E+08	0.237298	2.27174	0.02435	0.902459	
cg016667							
93	chr19	54485460	0.350666	2.265111	0.024762	0.90377	
cg043008							
73	chr17	42254647 TMEM106A	0.415898	2.264247	0.024817	0.903923	
cg021069							
41	chr8	24772137	0.436111	2.269185	0.024508	0.903179	
cg008893							
98	chr13	28502089	0.267556	2.265114	0.024762	0.90377	
cg161027							
39	chr1	9224376	-0.33842	-2.26692	0.024649	0.903586	
cg081466							
98	chr7	178613	-0.29173	-2.26447	0.024803	0.903923	
cg246066							
62	chr1	1.86E+08	-0.2925	-2.27338	0.024248	0.902157	
cg247245							
13	chr2	44513905 LINC01121	0.279871	2.268053	0.024579	0.90356	
cg237283							
59	chr7	6290148	-0.41298	-2.2714	0.024371	0.902571	
cg137282							
85	chr9	1.12E+08	-0.38174	-2.26784	0.024592	0.90356	
cg138439							
64	chr9	1.28E+08	0.158884	2.273742	0.024226	0.902157	
cg196192							
06	chr17	7017569	0.348442	2.26833	0.024561	0.90356	
cg025624							
31	chr4	1.34E+08	0.283211	2.265651	0.024729	0.903591	
cg115383							
07	chr5	40984654	-0.28228	-2.26442	0.024806	0.903923	
cg112380							
48	chr6	1.69E+08	0.411797	2.267585	0.024608	0.903573	
cg194364							
14	chr13	20734680	-0.25846	-2.26666	0.024665	0.903591	
cg184653							
19	chr3	1.16E+08	-0.28317	-2.26714	0.024635	0.903573	
cg118393							
65	chr3	1.94E+08	0.250866	2.264236	0.024817	0.903923	
cg036174							
56	chr1	11160205	0.229748	2.276276	0.024071	0.900532	
cg146146							
93	chr5	1.15E+08	-0.17848	-2.2691	0.024514	0.903179	
cg247020							
69	chr13	1.09E+08	-0.96871	-2.26396	0.024835	0.904023	
cg136946							
62	chr9	1.4E+08	-0.22576	-2.26662	0.024668	0.903591	

		ENSG000002319					
		80;PTPRN2;RNF3					
		2;ENSG0000023					
		3038;ENSG0000					
cg064161							
10	chr7	1.57E+08	0222012	0.634636	2.274671	0.024169	0.901923
cg139566							
45	chr4	757385		-0.24969	-2.26603	0.024705	0.903591
cg192560							
94	chr19	18980744		0.322	2.269119	0.024512	0.903179
cg195042							
45	chr19	55660620		0.491575	2.265065	0.024765	0.90377
		AAGAB;SMAD6;S					
cg255947							
36	chr15	67391147	NAPC5	-0.45595	-2.26703	0.024642	0.903573
cg076443							
68	chr5	1.15E+08		0.348535	2.270827	0.024406	0.902571
cg140470							
08	chr1	1.74E+08		-0.30548	-2.26664	0.024667	0.903591
cg144307							
38	chr6	26596151		0.155851	2.26576	0.024722	0.903591
cg148130			ENSG000002563				
83	chr11	18477280	61	0.505181	2.267907	0.024588	0.90356
cg077960							
16	chr1	1.53E+08		1.195794	2.2701	0.024451	0.903165
cg135207							
71	chr12	50236965		-0.16818	-2.2678	0.024594	0.90356
cg254250							
89	chr10	1.31E+08		-0.31589	-2.2651	0.024763	0.90377
cg041576							
58	chr11	1.1E+08		-0.50409	-2.26237	0.024935	0.904516
cg047742							
29	chr20	62670729	RGS19	0.219699	2.264877	0.024777	0.903846
cg161858							
34	chr20	25062819		0.202666	2.264507	0.0248	0.903923
		UQCRQ;ZCCHC1					
cg013294							
34	chr5	1.32E+08	0;HSPA4;C5orf56	-0.18545	-2.26782	0.024593	0.90356
cg235976							
29	chr1	2.3E+08		0.240581	2.265815	0.024718	0.903591
cg180676							
44	chr22	46932066		0.797937	2.263606	0.024857	0.904023
cg132794							
76	chr3	15372965	RFTN1;GRIP2	-0.32118	-2.26727	0.024627	0.903573
cg209920							
11	chr8	1.45E+08		-0.18735	-2.26549	0.024738	0.903591

cg098771							
73	chr11	72380291		-0.23587	-2.26674	0.02466	0.903591
cg222100							
61	chr22	43048123	EFCAB6;CENPM	0.265832	2.265899	0.024713	0.903591
cg120342			ENSG000002256				
97	chr1	1.6E+08	70	-0.31769	-2.26501	0.024769	0.90377
cg176556							
09	chr11	1.25E+08		-0.18398	-2.26601	0.024706	0.903591
cg009430							
83	chr5	78134577		-0.29872	-2.26539	0.024745	0.903747
cg022224							
54	chr3	1.42E+08		-0.20721	-2.27279	0.024285	0.902173
cg041694							
83	chr8	1.45E+08	GPIHBP1	-0.25555	-2.26639	0.024682	0.903591
cg019509							
58	chr1	1.46E+08		0.294463	2.264456	0.024803	0.903923
cg063479							
28	chr2	1.63E+08		-0.21813	-2.26631	0.024687	0.903591
cg098356							
75	chr16	30546404		0.221712	2.270354	0.024436	0.903165
cg220843							
39	chr7	752979		-0.26341	-2.26767	0.024602	0.90356
cg044885							
21	chr5	1.78E+08		0.422479	2.27053	0.024425	0.902938
cg187123			SNORA74A;MZB				
48	chr5	1.38E+08	1	-0.33755	-2.27149	0.024365	0.902571
cg010674							
05	chr19	54850417		0.52261	2.267495	0.024613	0.903573
cg064551							
80	chr10	1.33E+08		0.338274	2.270853	0.024405	0.902571
cg052023							
47	chr15	70381525	LARP6	0.42475	2.264906	0.024775	0.903846
cg226295							
28	chr11	1.33E+08		0.540108	2.265141	0.02476	0.90377
cg046436							
55	chr15	48413344		-0.30145	-2.26786	0.02459	0.90356
cg077262							
88	chr1	2.49E+08		0.368793	2.268824	0.024531	0.903179
cg164970							
18	chr10	1.02E+08		0.234223	2.271023	0.024394	0.902571
			NES;SYT11;PEAR				
			1;SMG5;RAB25;				
			MUC1;ASH1L;SL				
cg156859			C50A1;MTX1;ME				
22	chr1	1.56E+08	F2D;ARHGEF2	-0.25955	-2.27222	0.02432	0.902459

cg20519670	chr14	65172006		0.326367	2.264486	0.024802	0.903923
cg02617551	chr3	53116737	11	-0.21688	-2.26579	0.02472	0.903591
cg11866527	chr2	65215494		-0.21791	-2.26812	0.024574	0.90356
cg20269554	chr1	55181235		0.296487	2.265193	0.024757	0.90377
cg12292213	chr8	1.34E+08		0.234149	2.262955	0.024898	0.904228
cg18660976	chr5	1.63E+08		0.230222	2.271346	0.024374	0.902571
cg05697754	chr7	99576547		-0.18013	-2.26366	0.024854	0.904023
cg06392241	chr12	93771346	52	0.276167	2.26768	0.024602	0.90356
cg04936178	chr7	1.57E+08		0.32927	2.264247	0.024817	0.903923
cg15113915	chr6	1.69E+08		0.270641	2.26824	0.024567	0.90356
cg19048950	chr13	30915492		0.356743	2.264934	0.024773	0.903846
cg12332917	chr6	32158409		-0.22032	-2.2657	0.024726	0.903591
cg10815625	chr1	1.65E+08		0.20755	2.262261	0.024942	0.904516
cg15670005	chr7	1.34E+08		0.34311	2.262847	0.024905	0.904228
cg18756868	chr18	19284803		0.150213	2.263167	0.024884	0.904228
cg00004806	chr6	1.62E+08		0.236506	2.262931	0.024899	0.904228
cg09935822	chr11	1.12E+08		0.22314	2.267077	0.024639	0.903573
ch.9.1173620F	chr9	89153306		0.409189	2.264738	0.024786	0.903903
cg20728496	chr11	71163555		-0.28782	-2.26298	0.024896	0.904228
cg17429382	chr19	3786246	CHAF1A;MATK	0.222973	2.267054	0.024641	0.903573
cg06107796	chr11	1.3E+08	TMEM45B;ARHGAP32;ENSG00000255455;SNX19	0.449649	2.274043	0.024208	0.902157
cg00097432	chr3	1.14E+08	ENSG00000259976	0.26137	2.262009	0.024957	0.904516
cg03060468	chr5	1.41E+08		0.294418	2.261586	0.024984	0.904516

			TNFRSF10D;TNF RSF10B;TNFRSF1 0A;SLC25A37;NK X3- 1;BIN3;ENSG000 00246582;RHOB				
cg273923							
95	chr8	23431014	TB2	0.410765	2.268831	0.02453	0.903179
cg118626							
65	chr13	97980712	HS6ST3	0.255621	2.263754	0.024847	0.904023
cg163218							
06	chr12	67662976		0.225606	2.268673	0.02454	0.903247
cg211050							
19	chr14	1E+08		0.271534	2.265979	0.024708	0.903591
cg080704			EFCAB13;HOXB6				
91	chr17	45976977	;ATP5G1	-0.20666	-2.26515	0.02476	0.90377
cg010229							
51	chr4	1.01E+08		-0.22475	-2.26979	0.024471	0.903165
cg033050							
95	chr20	60941912		-0.16697	-2.26459	0.024795	0.903923
cg128933							
61	chr12	1.22E+08		-0.14398	-2.26649	0.024676	0.903591
cg101222							
67	chr1	41444691		0.260571	2.266574	0.024671	0.903591
cg033360							
86	chr5	79331047		-0.19531	-2.26298	0.024896	0.904228
cg066065							
18	chr1	27217565		-0.14339	-2.26554	0.024735	0.903591
cg167576							
05	chr16	70697712		-0.30766	-2.2685	0.02455	0.903477
cg004236							
75	chr9	1.38E+08		-0.22227	-2.26308	0.02489	0.904228
cg218933							
94	chr19	10342123		-0.15259	-2.26478	0.024783	0.903903
cg115752							
95	chr7	1.58E+08		-0.45976	-2.26531	0.02475	0.90377
cg006904							
00	chr1	1.75E+08		-0.20709	-2.26577	0.024721	0.903591
cg193978							
01	chr10	22826076		-0.2379	-2.26938	0.024496	0.903179
cg039006							
46	chr9	94712472	NOL8	-0.17877	-2.26346	0.024866	0.904023
cg243605							
13	chr1	2.49E+08		-0.25102	-2.2605	0.025053	0.904995
cg116259							
46	chr12	59314263		-0.25031	-2.26877	0.024534	0.903229



cg216505							
10	chr19	43912492		0.319241	2.266667	0.024665	0.903591
cg207843							
91	chr17	12376175		0.319573	2.267294	0.024626	0.903573
cg023452							
47	chr15	1.01E+08		-0.3443	-2.26566	0.024728	0.903591
cg042769							
51	chr17	40315837		-0.24423	-2.26341	0.024869	0.904023
			HLA-DMA;HLA- DOA;HLA- DMB;HLA- DPA1;HLA- DPB1;UQCC2;H				
cg244917							
76	chr6	33853268	MGA1	-0.3485	-2.26164	0.024981	0.904516
cg048237							
38	chr15	23631875		0.211278	2.276551	0.024054	0.900532
cg036869							
52	chr12	49075221		-0.34849	-2.26476	0.024785	0.903903
cg113519							
27	chr10	557886	IDI1	0.348167	2.263724	0.024849	0.904023
cg021831							
70	chr14	55595698		-0.3243	-2.2661	0.0247	0.903591
cg154886							
60	chr2	2.43E+08		-0.24627	-2.26125	0.025005	0.904688
cg248836							
05	chr17	79508142		-0.22104	-2.26597	0.024709	0.903591
cg118115							
13	chr2	1.85E+08		0.505176	2.263741	0.024848	0.904023
cg133068							
70	chr22	39527583		2.25028	2.257423	0.025248	0.904995
cg215948							
39	chr8	1.33E+08		-0.32405	-2.26603	0.024705	0.903591
cg140449							
16	chr19	8008851		0.15437	2.264717	0.024787	0.903903
cg241758							
03	chr19	22235144	ZNF257;ZNF208	-0.27359	-2.2621	0.024952	0.904516
cg017591							
26	chr2	68870892		0.195862	2.267705	0.0246	0.90356
cg010621			TP73;ENSG0000				
16	chr1	3352435	0235131	-0.38806	-2.26848	0.024552	0.903477
cg070141							
74	chr21	32253760		-0.37717	-2.26165	0.02498	0.904516
cg116802							
00	chr17	9804572		-0.26327	-2.26977	0.024472	0.903165

cg203248						
84	chr1	2.47E+08	0.202104	2.26637	0.024683	0.903591
cg149667						
26	chr4	1.49E+08	-0.21871	-2.26749	0.024614	0.903573
cg164120						
00	chr2	2.42E+08	-0.19789	-2.26292	0.0249	0.904228
cg275408						
23	chr10	50746589	-0.16839	-2.26377	0.024846	0.904023
cg069413						
12	chr19	2455899	-0.24763	-2.26553	0.024736	0.903591
cg147917						
47	chr16	20752902	0.210426	2.265882	0.024714	0.903591
cg273545						
89	chr10	1705581	-0.3493	-2.26141	0.024995	0.904516
cg195734						
56	chr19	16607087	-0.15197	-2.26366	0.024854	0.904023
cg111761						
35	chr14	74705942	0.231734	2.263845	0.024842	0.904023
cg264484						
06	chr22	32026561	0.152406	2.263754	0.024847	0.904023
cg043916						
66	chr11	1.23E+08	-0.32591	-2.26367	0.024853	0.904023
cg093137						
05	chr17	46622491	0.400569	2.263386	0.024871	0.904023
cg205923						
45	chr10	91008159	0.396848	2.262825	0.024906	0.904228
cg156114						
17	chr13	20798653	0.222867	2.265031	0.024767	0.90377
cg276130						
16	chr15	63133045	-0.26682	-2.26126	0.025005	0.904688
cg093586						
18	chr1	3801728	0.330876	2.262938	0.024899	0.904228
cg227248						
47	chr1	2.49E+08	-0.36601	-2.2645	0.0248	0.903923
cg013975						
13	chr16	85670135	-0.38806	-2.26777	0.024596	0.90356
cg064130						
87	chr7	1.58E+08	0.320721	2.263979	0.024833	0.904023
cg079134						
30	chr4	1.16E+08	0.308308	2.265542	0.024735	0.903591
cg259723						
40	chr3	14568699	-0.2828	-2.25964	0.025107	0.904995
cg077794						
44	chr10	1.35E+08	0.340075	2.260491	0.025053	0.904995
cg060859						
05	chr17	80398117	0.330702	2.261632	0.024981	0.904516
cg252042						
81	chr15	25418107	0.198646	2.264315	0.024812	0.903923
cg027424						
55	chr11	66489646	-0.31714	-2.26104	0.025018	0.90493

CLCF1;TBC1D10

cg135631						
19	chr7	1.32E+08		-0.3264	-2.26024	0.025069 0.904995
cg133817						
53	chr1	2.13E+08		-0.24722	-2.267	0.024644 0.903573
cg176121						
47	chr17	43922356	KIF18B	-0.2569	-2.26262	0.024919 0.904359
cg211960						
38	chr6	1.7E+08		-0.28473	-2.26352	0.024862 0.904023
cg052003						
80	chr17	21179497		-0.22602	-2.26165	0.02498 0.904516
cg077998						
77	chr1	2.47E+08		0.242706	2.261085	0.025016 0.90493
cg175754						
46	chr13	1E+08		0.279936	2.266409	0.024681 0.903591
cg174616			C1orf168;PPAP2			
00	chr1	57983368	B	0.284993	2.269961	0.02446 0.903165
cg064836						
99	chr4	1.01E+08		-0.15843	-2.26846	0.024553 0.903477
cg046367						
48	chr15	75117708		-0.18594	-2.26105	0.025018 0.90493
cg191255						
77	chr4	1.85E+08		0.336021	2.25984	0.025095 0.904995
cg076815						
61	chr4	1224054		0.188486	2.264627	0.024793 0.903923
cg042236						
45	chr5	77656203		0.167312	2.25843	0.025184 0.904995
cg253779						
15	chr8	95127949		-0.34832	-2.26177	0.024972 0.904516
cg178035						
89	chr21	46948365		-0.56181	-2.25832	0.025191 0.904995
cg041549						
03	chr12	49374320		0.260598	2.261751	0.024974 0.904516
cg066465						
48	chr10	77152949		-0.27271	-2.26196	0.024961 0.904516
cg086085						
32	chr13	1.01E+08		0.154787	2.263094	0.024889 0.904228
cg181853						
93	chr1	1.18E+08		0.307939	2.271833	0.024344 0.902459
			ITGAX;ITGAM;YP			
			EL3;ENSG00000			
cg038365			260625;C16orf5			
21	chr16	30721270	4	-0.29325	-2.26741	0.024619 0.903573
cg049556						
83	chr21	35444367	ATP5O;GART	-0.2105	-2.26173	0.024975 0.904516
cg159514						
69	chr6	1.54E+08		-0.30834	-2.27178	0.024347 0.902459
cg066007						
25	chr12	48690915		0.44641	2.262012	0.024957 0.904516

cg071524			ENSG000002690				
60	chr11	61583560	89;PPP1R32	-0.18816	-2.26007	0.02508	0.904995
cg026139							
17	chr4	24587158		0.257535	2.262311	0.024938	0.904516
cg064938							
29	chr20	39766765		-0.26002	-2.26352	0.024862	0.904023
cg213519							
94	chr2	73145006		0.230005	2.261406	0.024996	0.904516
cg260220							
15	chr13	78493583		0.210844	2.258831	0.025159	0.904995
cg011474							
65	chr14	45366798		-0.16612	-2.25827	0.025194	0.904995
cg266072							
48	chr1	2.03E+08		-0.31274	-2.26712	0.024637	0.903573
cg274326			ENSG000002545				
04	chr11	27239162	60	-0.26864	-2.27817	0.023955	0.900444
cg087249							
92	chr22	38597691		-0.25289	-2.26399	0.024833	0.904023
cg019239							
99	chr8	1.28E+08		0.369048	2.2631	0.024889	0.904228
cg209303							
66	chr5	1.14E+08		0.372107	2.262274	0.024941	0.904516
cg215952			ENSG000001630				
33	chr2	1.21E+08	75	0.233635	2.261593	0.024984	0.904516
cg150854							
47	chr3	1.37E+08		0.210945	2.258977	0.025149	0.904995
cg136589							
21	chr2	1.36E+08		-0.16232	-2.25946	0.025118	0.904995
cg011406							
16	chr14	57518666		-0.31799	-2.2616	0.024983	0.904516
cg146620							
09	chr12	50300243	COX14	-0.24454	-2.26056	0.025049	0.904995
cg095585							
02	chr1	1.12E+08	KCNA2;KCNA3	-0.29883	-2.2607	0.02504	0.904995
cg099117							
34	chr16	67226006		0.120924	2.260459	0.025055	0.904995
cg092649							
06	chr11	57424981		0.180043	2.257917	0.025217	0.904995

			SECTM1;OXLD1;				
cg144173			SLC16A3;NPLOC				
29	chr17	80186273	4;NOTUM;SIRT7	-0.39428	-2.25833	0.02519	0.904995
cg075692							
16	chr15	53075533		0.340374	2.263453	0.024866	0.904023
cg201147							
32	chr6	1.67E+08		0.313976	2.260569	0.025048	0.904995

cg230182							
36	chr17	30244563		0.383388	2.266197	0.024694	0.903591
cg244964							
81	chr18	51795809		-0.15655	-2.26803	0.02458	0.90356
cg045510							
11	chr8	17435008		0.228804	2.260106	0.025078	0.904995
cg273108							
31	chr8	1.21E+08	ENPP2;SNTB1	0.362992	2.261491	0.02499	0.904516
cg177068							
96	chr19	46406599		0.213086	2.26202	0.024957	0.904516
cg071527							
55	chr2	1.05E+08		0.381579	2.263411	0.024869	0.904023

			C14orf37;LRRC9; GPR135;ENSG00 000259969;TIM M9;ENSG000002				
cg154560							
82	chr14	59444979	58553	-0.40037	-2.25681	0.025287	0.904995
cg064320							
36	chr6	1.71E+08		-0.41078	-2.25736	0.025252	0.904995
cg003037							
23	chr19	18304398		-0.19987	-2.26434	0.02481	0.903923
cg247477							
64	chr13	1.13E+08		0.266828	2.262881	0.024902	0.904228
cg028054							
89	chr7	36406483		-0.17311	-2.2608	0.025034	0.904995
cg060691							
00	chr15	77574588		0.377554	2.262087	0.024953	0.904516
cg100382							
50	chr14	1.05E+08		-0.18129	-2.26019	0.025072	0.904995
cg092200							
40	chr16	68856966		0.292561	2.257769	0.025226	0.904995
cg198783							
26	chr6	30078632		-0.28694	-2.26194	0.024962	0.904516
cg113599							
84	chr3	1.24E+08		0.270489	2.261914	0.024963	0.904516
cg101928							
93	chr4	41747895		0.305093	2.261497	0.02499	0.904516
cg037810							
98	chr12	7848348		0.317582	2.258207	0.025198	0.904995
cg035210							
85	chr4	1219008		-0.22871	-2.2642	0.02482	0.90394
cg230548							
83	chr12	1.31E+08		-0.2691	-2.25825	0.025196	0.904995
cg036053							
66	chr8	77767937		-0.32601	-2.2629	0.024901	0.904228
cg191722							
78	chr7	1.53E+08		-0.39616	-2.26016	0.025074	0.904995

cg126248							
29	chr10	1.06E+08		0.298177	2.264013	0.024831	0.904023
cg007590							
43	chr17	73894891		-0.16331	-2.26061	0.025046	0.904995
cg157256							
39	chr19	47856924		0.249194	2.259044	0.025145	0.904995
cg093591							
14	chr7	96650096		0.275408	2.262042	0.024955	0.904516
cg114160							
12	chr12	4380899		-0.28806	-2.25868	0.025168	0.904995
cg014211							
19	chr1	2.12E+08		0.442158	2.25945	0.025119	0.904995
cg198424							
41	chr8	62051647		0.229802	2.268002	0.024582	0.90356
cg086088							
92	chr10	1.35E+08 ADAM8		-0.26	-2.25855	0.025177	0.904995
cg147519							
14	chr18	46477404		0.325205	2.258712	0.025166	0.904995
cg051070							
39	chr2	86423005 RNF181		0.277257	2.259323	0.025127	0.904995
cg150436							
15	chr17	74025708		-0.38127	-2.26265	0.024917	0.904359
cg082551							
87	chr22	39627689		-0.28019	-2.26768	0.024602	0.90356
cg066766							
37	chr18	56940333		0.315201	2.255599	0.025365	0.904995
cg268482							
48	chr6	7313728		-0.24395	-2.25946	0.025119	0.904995
cg196016							
66	chr1	71172089 ZRANB2-AS2		0.484148	2.260597	0.025047	0.904995
cg155565							
53	chr1	17765043		-0.14443	-2.25737	0.025252	0.904995
cg058683							
16	chr19	12807494		-0.23921	-2.25882	0.025159	0.904995
cg133536							
83	chr17	40574819		0.225456	2.260371	0.025061	0.904995

ZNF429;ENSG00  
000268416;ENS  
G00000268081;  
ENSG000002681

cg216513							
28	chr19	21657756 19		0.370534	2.258964	0.02515	0.904995
cg010030							
15	chr10	17271136		-0.30814	-2.25624	0.025324	0.904995
cg102450							
48	chr8	23082569		-0.21737	-2.26744	0.024617	0.903573
cg015657							
77	chr3	1.39E+08		0.299536	2.258091	0.025206	0.904995

cg272461						
29	chr6	1.71E+08	-0.45669	-2.25492	0.025408	0.904995
cg148199						
58	chr11	45826606	0.164321	2.257477	0.025245	0.904995
cg011060						
40	chr3	1.26E+08	-0.29972	-2.25594	0.025343	0.904995
cg182643						
83	chr3	45730917	-0.17614	-2.26277	0.024909	0.90428
cg052366						
77	chr8	99952217	0.309161	2.257151	0.025266	0.904995
cg073057						
19	chr10	64133406	0.303703	2.259344	0.025126	0.904995
cg035634						
03	chr9	35079882	-0.19206	-2.26661	0.024668	0.903591
cg056570						
90	chr19	12917086	0.170977	2.259436	0.02512	0.904995
cg176825						
35	chr11	56237629	0.44384	2.25589	0.025346	0.904995
cg112989						
60	chr7	1.55E+08	0.290422	2.259226	0.025134	0.904995
cg231030						
09	chr10	1.35E+08	0.333434	2.259583	0.025111	0.904995
cg022101						
04	chr3	19188909	0.290211	2.259715	0.025103	0.904995
cg257716						
49	chr10	43725277	-0.24527	-2.25874	0.025164	0.904995
cg078430						
56	chr6	35656848	-0.23568	-2.25546	0.025374	0.904995
cg162402						
75	chr20	61666158	-0.42586	-2.25761	0.025236	0.904995
cg220406						
72	chr12	1.29E+08	-0.30313	-2.25841	0.025185	0.904995
cg028014						
05	chr11	45727997	-0.25202	-2.25574	0.025356	0.904995
cg243496						
31	chr22	46449752	-0.55116	-2.25871	0.025167	0.904995
cg236664						
57	chr17	80709808	0.123825	2.25811	0.025205	0.904995
cg220534						
52	chr2	33701120	-0.24904	-2.2596	0.02511	0.904995
cg068377						
65	chr11	66326652	0.229838	2.256698	0.025295	0.904995
cg239718						
06	chr2	2.4E+08	0.281082	2.257889	0.025219	0.904995
cg228521						
49	chr19	36980565	-0.17829	-2.26424	0.024817	0.903923
cg246225						
44	chr12	1.21E+08	0.350784	2.258285	0.025193	0.904995
cg024133						
26	chr21	41027785	-0.22627	-2.25845	0.025183	0.904995

cg01907426	chr1	1.78E+08	RALGPS2	-0.32313	-2.25684	0.025286	0.904995
cg08120951	chr16	88734359		0.212507	2.255395	0.025378	0.904995
cg16951215	chr7	1.4E+08		-0.37936	-2.25546	0.025374	0.904995
cg06219310	chr4	802229		-0.37312	-2.26021	0.025071	0.904995
cg18374625	chr19	50004152	IL4I1	-0.18967	-2.2576	0.025237	0.904995
cg18959169	chr2	2.4E+08		0.305099	2.265923	0.024711	0.903591
cg27035277	chr8	67038272		-0.41685	-2.26	0.025085	0.904995
cg13108049	chr1	2.45E+08		-0.33131	-2.2679	0.024588	0.90356
cg09962400	chr21	38936159		0.323852	2.261392	0.024996	0.904516
cg21649005	chr17	3911039		0.331816	2.263407	0.024869	0.904023
cg16119667	chr2	95825387		-0.23981	-2.25658	0.025302	0.904995
cg21477638	chr2	1.13E+08		-0.24173	-2.25718	0.025264	0.904995
cg18132405	chr3	1.9E+08		0.37415	2.256543	0.025305	0.904995
cg24999883	chr14	99880641		0.302849	2.259648	0.025107	0.904995
cg01764904	chr15	60289326		0.32375	2.2626	0.02492	0.904359
cg20853530	chr11	70236781		-0.21034	-2.2661	0.024701	0.903591
cg02844341	chr7	1.17E+08		-0.23057	-2.26561	0.024731	0.903591
cg10138008	chr19	44669078		0.211763	2.263962	0.024834	0.904023
SLC9A3;ENSG00000188242;CEP7							
cg06019590	chr5	496476	2	0.437122	2.25908	0.025143	0.904995
cg27405554	chr13	79183424		-0.24249	-2.2581	0.025205	0.904995
cg24533720	chr7	6099233		0.367344	2.254927	0.025408	0.904995
cg13346655	chr3	1.89E+08		-0.27455	-2.26024	0.025069	0.904995
cg09544279	chr5	1.8E+08		-0.1991	-2.2563	0.02532	0.904995
cg01282150	chr13	23993332		0.278903	2.256757	0.025291	0.904995



cg234340							
70	chr20	8243123		0.286294	2.265561	0.024734	0.903591
cg148716							
50	chr4	1.71E+08	NEK1	-0.18903	-2.25604	0.025337	0.904995
cg249160							
13	chr19	34973191		-0.24504	-2.2608	0.025034	0.904995
cg051146							
76	chr14	73257941	NUMB	-0.17838	-2.26001	0.025084	0.904995
cg236865							
08	chr21	45752460		0.24893	2.256351	0.025317	0.904995
cg036973							
16	chr22	21336741		-0.16041	-2.26162	0.024982	0.904516
cg105560							
64	chr16	68481489		0.307672	2.256379	0.025315	0.904995
cg042879							
82	chr1	21766521		-0.2007	-2.25536	0.02538	0.904995
cg117573							
26	chr22	40139626		0.404561	2.255423	0.025376	0.904995
cg259575							
13	chr13	52257308		-0.27337	-2.25646	0.02531	0.904995
cg102068							
87	chr8	22102902		0.155798	2.254513	0.025435	0.904995
cg211782							
54	chr3	1.57E+08		0.391265	2.256989	0.025276	0.904995
cg266056							
68	chr12	1.26E+08		0.387657	2.257294	0.025257	0.904995
cg167908							
47	chr3	1.47E+08		0.215406	2.256794	0.025288	0.904995
cg049406							
55	chr13	98829550		-0.31563	-2.25555	0.025368	0.904995
cg194133							
66	chr8	1.44E+08		0.307074	2.258054	0.025208	0.904995
cg009061							
42	chr7	747746		-0.38671	-2.25447	0.025437	0.904995
cg061515							
67	chr1	17765735		-0.18264	-2.25789	0.025219	0.904995
cg218029			ENSG000002281				
19	chr17	1850983	33	0.281733	2.256927	0.02528	0.904995
cg252285							
62	chr17	64718121		-0.24893	-2.25804	0.025209	0.904995
cg265808							
69	chr19	611506		-0.42491	-2.25742	0.025249	0.904995
cg092233			ENSG000002599				
96	chr16	72893924	01	0.375468	2.258738	0.025165	0.904995
cg025530							
39	chr22	49563521	ZBED4	-0.30974	-2.26083	0.025032	0.904995
cg119143							
70	chr8	1.46E+08		0.250058	2.259026	0.025146	0.904995
cg111466							
91	chr12	47219737		0.509431	2.253679	0.025488	0.90562

cg072745							
22	chr12	1.24E+08		0.270448	2.256898	0.025282	0.904995
cg145097							
61	chr10	1.35E+08		-0.25623	-2.25471	0.025422	0.904995
cg039908							
19	chr2	434332		0.303285	2.26086	0.02503	0.904995
cg026765							
23	chr16	4027674		-0.20258	-2.25648	0.025309	0.904995
cg262974							
90	chr6	792778		0.512093	2.257425	0.025248	0.904995
cg073463							
43	chr3	1.51E+08		0.196676	2.259221	0.025134	0.904995
cg243333							
64	chr12	1.29E+08		-0.18171	-2.25573	0.025357	0.904995
cg002146							
88	chr10	33201038		0.295233	2.257319	0.025255	0.904995
cg179025		ENSG000002732					
73	chr4	1.41E+08 47		0.254549	2.257997	0.025212	0.904995
cg157897							
89	chr22	38664965		-0.264	-2.259	0.025148	0.904995
cg156092							
72	chr5	1.6E+08 ATP10B		-0.30718	-2.25315	0.025522	0.90562
cg192059							
09	chr22	42353671 NFAM1		0.253681	2.255022	0.025402	0.904995
cg271112							
50	chr4	81111177 PRDM8		0.346663	2.251924	0.025601	0.90562
cg260652							
23	chr6	1.08E+08		0.301573	2.252496	0.025564	0.90562
cg251432							
47	chr6	1.64E+08		-0.22099	-2.25874	0.025165	0.904995
cg105886							
22	chr2	45397776		0.643479	2.252319	0.025576	0.90562
cg123145							
10	chr17	56161063 MRPS23		-0.18906	-2.25727	0.025258	0.904995
cg210541							
79	chr12	49412581		-0.15188	-2.25956	0.025112	0.904995
cg072080							
57	chr2	84516404		-0.27145	-2.25439	0.025442	0.905032
cg171816							
53	chr6	1.44E+08		0.275108	2.255982	0.02534	0.904995
cg154339							
96	chr1	41483419		-0.25142	-2.25726	0.025259	0.904995
cg163667							
39	chr16	16227608		0.24544	2.255216	0.025389	0.904995
cg176236							
29	chr11	2293641		-0.21255	-2.25365	0.02549	0.90562
cg175845							
76	chr5	52856678 RN7SL801P		0.268116	2.25527	0.025386	0.904995
cg195442							
69	chr5	1.73E+08		0.326754	2.256821	0.025287	0.904995

cg180394							
74	chr17	43210057	HEXIM2	0.200181	2.258328	0.025191	0.904995
cg088014							
46	chr2	36626126		0.435234	2.252702	0.025551	0.90562
cg275903							
97	chr14	38677218		0.332287	2.258194	0.025199	0.904995
cg161507							
52	chr5	16180072		0.359751	2.256143	0.02533	0.904995
cg124865							
10	chr2	1.96E+08		-0.25215	-2.25975	0.025101	0.904995
cg209509							
78	chr1	2446982		0.202835	2.259155	0.025138	0.904995
cg019440							
87	chr15	69110737		-0.17264	-2.25661	0.0253	0.904995
cg110407							
77	chr17	124800		0.25852	2.253451	0.025503	0.90562
cg175665							
92	chr6	1.44E+08		0.41537	2.254477	0.025437	0.904995
ch.8.6524							
0324F	chr8	65077772		-0.44918	-2.25621	0.025326	0.904995
cg253824							
72	chr1	47779932	MOB3C	-0.22473	-2.25202	0.025595	0.90562
cg039251							
49	chr4	96761135		-0.3818	-2.25289	0.025539	0.90562
cg196389							
68	chr11	1214832		-0.23138	-2.25663	0.025299	0.904995
cg154424							
19	chr6	10412797		-0.1398	-2.26167	0.024979	0.904516
cg016039							
73	chr17	33672921	GAS2L2;RASL10B	0.427888	2.254469	0.025437	0.904995
cg038983							
65	chr11	6897491		-0.41022	-2.26057	0.025049	0.904995
cg105106							
04	chr5	1.72E+08		-0.247	-2.25628	0.025321	0.904995
cg021698							
48	chr7	46297085		-0.35515	-2.25694	0.025279	0.904995
cg181581							
51	chr2	61372256		0.289824	2.253988	0.025468	0.90562
cg002952							
59	chr2	1.22E+08		-0.30231	-2.25407	0.025463	0.905535
cg025953							
78	chr4	763997	SLBP	-0.24867	-2.2558	0.025352	0.904995
cg141344							
97	chr18	32074251		0.444323	2.252515	0.025563	0.90562
cg127379							
71	chr22	31892148		0.167382	2.259777	0.025099	0.904995
cg098711							
81	chr17	39911422		-0.22718	-2.25379	0.025481	0.90562
cg134363							
78	chr2	71832543		-0.26734	-2.2555	0.025371	0.904995

cg121758						
83	chr10	1.19E+08	0.243284	2.254153	0.025458	0.905413
cg092225						
05	chr2	2190137	-0.37152	-2.25477	0.025418	0.904995
cg253219						
35	chr11	47440348	0.189354	2.253025	0.02553	0.90562
cg175982						
59	chr10	75572405	-0.26333	-2.25179	0.02561	0.90562
cg143743						
47	chr1	38158195	-0.28458	-2.25528	0.025385	0.904995
cg244586						
09	chr11	56948015	0.35517	2.252919	0.025537	0.90562
cg198443						
33	chr5	1.55E+08	-0.34403	-2.2529	0.025538	0.90562
cg024868						
37	chr4	52941964	-0.35602	-2.25344	0.025503	0.90562
cg166302						
29	chr6	33160604	0.310646	2.256038	0.025337	0.904995
cg100270						
91	chr6	92147897	-0.36473	-2.25708	0.02527	0.904995
cg272787						
87	chr18	3499813 EMILIN2	0.439933	2.255206	0.02539	0.904995
cg145631						
96	chr1	89664582	-0.32458	-2.25614	0.02533	0.904995
cg213388						
57	chr1	3101776	-0.28434	-2.25384	0.025478	0.90562
cg267840						
12	chr10	32216390	-0.27812	-2.25532	0.025383	0.904995
cg163142						
54	chr1	2.3E+08 CCSAP	0.525448	2.253796	0.025481	0.90562
cg133222						
90	chr1	7841088	-0.28493	-2.25962	0.025109	0.904995
cg009139						
49	chr1	2.17E+08	0.342473	2.256273	0.025322	0.904995
cg087197						
12	chr7	1.3E+08	-0.30685	-2.2574	0.02525	0.904995
cg165210						
40	chr19	17417442	0.217949	2.256104	0.025333	0.904995
cg126885						
21	chr1	5772057	-0.24402	-2.25258	0.025559	0.90562
cg179615						
35	chr5	1.73E+08	0.376251	2.252066	0.025592	0.90562
cg241998						
34	chr4	1.48E+08	0.289772	2.256467	0.025309	0.904995
cg206153						
79	chr1	3827578	0.13108	2.252162	0.025586	0.90562
cg130081						
74	chr8	11640960 CTSB	-0.24365	-2.25535	0.025381	0.904995

			POLD3;PGM2L1; ARHGEF17;UCP2 ;ENSG00000254 837;C2CD3;DNAJ B13;PLEKHB1;M				
cg104084							
30	chr11	73979900	RPL48;KCNE3	0.265917	2.262143	0.024949	0.904516
cg159525							
86	chr7	18459971		0.432066	2.252796	0.025545	0.90562
cg079748							
23	chr13	20987517		-0.20137	-2.2536	0.025493	0.90562
cg082226							
62	chr7	1.39E+08		-0.2751	-2.26261	0.02492	0.904359
cg078573							
31	chr5	71607567		0.30395	2.254657	0.025425	0.904995
cg044517							
48	chr11	35684488		-0.14405	-2.2549	0.025409	0.904995
cg143813							
50	chr12	1.31E+08		-0.30558	-2.25274	0.025548	0.90562
cg271615							
23	chr12	51591966		-0.18973	-2.25921	0.025135	0.904995
cg062166							
77	chr9	35603842		-0.20253	-2.25505	0.0254	0.904995
cg167577							
24	chr20	43935528		0.242454	2.257612	0.025236	0.904995
cg135334							
56	chr6	1.17E+08		0.32746	2.262562	0.024923	0.90437
cg274049							
21	chr4	3208639		-0.25915	-2.25264	0.025555	0.90562
cg196177							
92	chr2	1.58E+08		-0.15269	-2.25451	0.025435	0.904995
cg203071							
84	chr7	48351895	C7orf57;ABCA13	0.349986	2.260141	0.025076	0.904995
cg253375							
70	chr22	29784436		-0.1828	-2.25556	0.025367	0.904995
cg180943							
30	chr7	1E+08		-0.18473	-2.2533	0.025513	0.90562
cg005647							
37	chr1	1.97E+08		0.297321	2.253363	0.025508	0.90562
cg136183							
42	chr7	1.39E+08	C7orf55-LUC7L2	-0.21008	-2.256	0.025339	0.904995
cg173337							
91	chr11	64811900		-0.18386	-2.25712	0.025268	0.904995
cg215655							
50	chr12	1.01E+08		0.164578	2.256784	0.025289	0.904995

cg116432							
45	chr12	33139395		-0.2802	-2.25263	0.025555	0.90562
cg081243							
99	chr6	74104868	DDX43	0.635148	2.253837	0.025478	0.90562
cg017328							
04	chr2	2.2E+08		0.129232	2.253221	0.025517	0.90562
cg258969							
75	chr2	27593451		-0.20466	-2.25461	0.025428	0.904995
			CCM2;AEBP1;M				
cg233393			YO1G;RAMP3;N				
63	chr7	44261644	ACAD	-0.20559	-2.25755	0.02524	0.904995
cg011092							
19	chr2	33660754		0.586961	2.256515	0.025306	0.904995
cg112383							
66	chr2	38830691		0.287932	2.251336	0.025639	0.90562
cg113928							
55	chr4	2795155		-0.17903	-2.25523	0.025388	0.904995
cg031575							
30	chr16	85696657		-0.30235	-2.25505	0.0254	0.904995
cg142794							
39	chr19	46088289		0.11106	2.256464	0.02531	0.904995
cg174149							
00	chr20	56293634		0.163464	2.254532	0.025433	0.904995
cg244244							
24	chr11	1.01E+08		-0.27748	-2.26046	0.025056	0.904995
cg146385							
65	chr13	1.14E+08		-0.2221	-2.25879	0.025162	0.904995
cg096384							
07	chr3	1.43E+08		0.193666	2.260109	0.025078	0.904995
cg173270							
29	chr1	36636579	AGO3	-0.1766	-2.25647	0.025309	0.904995
cg142047							
84	chr9	1.29E+08		0.230116	2.254984	0.025404	0.904995
cg092858							
51	chr6	10099656		0.501134	2.251346	0.025638	0.90562
cg052162							
11	chr14	1.02E+08	MEG3;RTL1	-0.31628	-2.25286	0.025541	0.90562
cg199847							
81	chr6	30710898		-0.19331	-2.25136	0.025638	0.90562
cg011573							
04	chr4	39639723		-0.18907	-2.25434	0.025446	0.905067
cg033514							
87	chr2	1.69E+08	LRP2	0.518219	2.257075	0.025271	0.904995
cg275510							
78	chr6	34191979		0.189294	2.258152	0.025202	0.904995
cg241397							
37	chr10	50323708		0.294807	2.254386	0.025443	0.905032
cg161064							
31	chr4	8034335		0.240105	2.251738	0.025613	0.90562

cg030897							
17	chr6	28557411	HIST1H2BN	0.452698	2.251876	0.025604	0.90562
cg078567							
61	chr22	37216030		-0.20622	-2.25381	0.025479	0.90562
cg162283							
80	chr8	1.27E+08		-0.24502	-2.25116	0.02565	0.905862
cg209790							
42	chr8	1.44E+08		-0.33491	-2.25045	0.025696	0.906432
cg103567			ENSG000002501				
59	chr12	248889	32	0.377095	2.254714	0.025422	0.904995
			AP1M2;COL5A3;				
cg150114			ICAM1;KANK2;P				
09	chr19	10405226	DE4A	0.308784	2.251304	0.025641	0.90562
cg177148							
28	chr5	1523874		-0.15552	-2.25374	0.025484	0.90562
cg098347							
94	chr3	1.47E+08		0.368431	2.25257	0.025559	0.90562
cg092476							
96	chr2	74756297		0.246658	2.25016	0.025715	0.90655
cg122224							
60	chr6	14211743	CD83	-0.2201	-2.25977	0.025099	0.904995
cg242444							
37	chr6	12289897		0.254872	2.256665	0.025297	0.904995
cg231931							
16	chr12	96184799		-0.17547	-2.25266	0.025553	0.90562
cg056276							
96	chr4	16933239		0.305372	2.252987	0.025533	0.90562
ch.2.4958							
278F	chr2	2.42E+08		-0.53514	-2.2521	0.02559	0.90562
cg204496							
92	chr3	1.7E+08		0.282198	2.250061	0.025722	0.90655
cg030101							
86	chr6	32122528		-0.13829	-2.25061	0.025686	0.906349
cg036613							
24	chr2	79411917		-0.45171	-2.24993	0.02573	0.90655
cg259877							
44	chr19	46916588		0.353376	2.247488	0.025889	0.90676
cg054109							
10	chr16	66434142		-0.27473	-2.25332	0.025511	0.90562
cg039329							
78	chr6	55444488		-0.32129	-2.25168	0.025617	0.90562
cg181162							
67	chr6	1.58E+08		0.278248	2.250129	0.025717	0.90655
cg203984							
08	chr17	781007		-0.37156	-2.25719	0.025263	0.904995
cg175803							
31	chr22	37099037		0.434222	2.249481	0.025759	0.906597

cg140622							
61	chr7	1.57E+08		-0.75075	-2.2497	0.025745	0.90655
cg039268							
49	chr8	1319194		-0.31903	-2.25069	0.025681	0.906344
cg065303							
36	chr7	64126779	ZNF107	-0.17297	-2.2518	0.025609	0.90562
cg146452							
64	chr3	1.16E+08		0.389784	2.250555	0.02569	0.906349
cg191239							
66	chr11	1.19E+08		0.336223	2.251717	0.025614	0.90562
cg032204							
14	chr9	1E+08		0.228008	2.255553	0.025368	0.904995
cg139330							
80	chr10	22634145		0.314257	2.250984	0.025662	0.906043
cg188189							
49	chr14	79558823		-0.40018	-2.25089	0.025668	0.906118
cg013682							
30	chr9	34628025		0.258093	2.251564	0.025624	0.90562
cg051371							
03	chr6	29396182	TRIM39;HCG14	-0.2633	-2.25089	0.025668	0.906118
cg173411							
70	chr11	2481545		0.288061	2.2513	0.025641	0.90562
cg194303							
91	chr17	21360529		0.185148	2.24768	0.025876	0.90676
cg274729							
05	chr2	2.42E+08		0.1797	2.252463	0.025566	0.90562
cg045847							
00	chr20	61715878		-0.19385	-2.25339	0.025507	0.90562
cg052003			ENSG000002686				
13	chr14	92960827	57;CATSPERB	-0.32265	-2.24855	0.025819	0.90676
cg046210							
69	chr1	21544521		-0.29382	-2.25509	0.025398	0.904995
cg022724							
47	chr11	95523464		-0.17435	-2.25661	0.0253	0.904995
cg185197							
37	chr7	2656422		0.237894	2.248895	0.025797	0.906704
cg002301							
83	chr16	88882565		0.295159	2.25035	0.025703	0.906432
cg218015							
49	chr12	14412735		-0.28511	-2.2486	0.025816	0.90676
cg194613							
83	chr15	69325362		0.780833	2.252246	0.02558	0.90562
cg153044							
04	chr6	1.64E+08		0.231185	2.253528	0.025498	0.90562
cg002474							
71	chr12	63329258		0.352754	2.254658	0.025425	0.904995
cg040009							
27	chr16	58282341		0.201807	2.253083	0.025526	0.90562



cg164616							
92	chr13	62002989		-0.32656	-2.24808	0.02585	0.90676
cg201829							
83	chr12	1.23E+08		0.286174	2.252551	0.025561	0.90562
cg247718							
04	chr18	55107755		0.291796	2.252339	0.025574	0.90562
cg214332							
39	chr3	1.73E+08		-0.29435	-2.25139	0.025635	0.90562
cg062544							
53	chr6	26250350		0.226757	2.254703	0.025422	0.904995
ch.20.546							
87769F	chr20	55254362		-0.3361	-2.25221	0.025583	0.90562
cg267202		ENSG000002626					
35	chr16	85879079 01		0.288129	2.249551	0.025755	0.90655
cg251307							
34	chr11	31531135		0.180887	2.253497	0.0255	0.90562
cg186581							
22	chr2	2.42E+08		-0.21124	-2.24956	0.025754	0.90655
cg180399							
02	chr13	48611677		-0.22087	-2.25953	0.025114	0.904995
cg030994							
92	chr10	94833214		-0.21009	-2.24853	0.025821	0.90676
cg031293							
24	chr10	1.25E+08 CPXM2		-0.28935	-2.25776	0.025227	0.904995
cg031078							
88	chr7	27241203		0.199763	2.24964	0.025749	0.90655
cg199187							
58	chr1	1.09E+08		-0.25114	-2.24911	0.025783	0.906704
cg240211							
29	chr5	1.14E+08		-0.25791	-2.25175	0.025612	0.90562
cg129693							
15	chr20	60630267		-0.16323	-2.25757	0.025239	0.904995

			APBB1;TRIM5;TR				
cg248324			IM22;CNGA4;UB				
98	chr11	5528669 QLN3		-0.31337	-2.24732	0.0259	0.90676
cg182235							
22	chr1	2E+08		0.283463	2.249207	0.025777	0.906704
cg183443							
97	chr4	1.7E+08		-0.37868	-2.24964	0.025749	0.90655
cg080776							
17	chr16	55868196		-0.37736	-2.25159	0.025623	0.90562
cg152353							
73	chr7	77428232		0.181654	2.247929	0.02586	0.90676
cg274754							
68	chr10	1.19E+08		-0.29395	-2.25605	0.025336	0.904995
cg048941							
16	chr7	1062251		0.352541	2.248569	0.025818	0.90676

cg120285							
48	chr20	590799		0.312716	2.250334	0.025704	0.906432
cg140423							
96	chr2	16153454		0.38102	2.247855	0.025865	0.90676
cg146894							
90	chr7	1.58E+08		-0.12426	-2.2475	0.025888	0.90676
cg161256							
15	chr19	5913035		-0.20718	-2.25169	0.025616	0.90562
cg110903							
64	chr17	46810687		-0.1618	-2.2497	0.025745	0.90655
cg081119			CD6;MPEG1;MS				
60	chr11	59822765	4A7;MS4A4A	-0.3154	-2.25137	0.025637	0.90562
cg081748							
90	chr4	9558077		-0.28726	-2.24956	0.025754	0.90655
cg199174							
12	chr11	64815189		0.419534	2.248918	0.025796	0.906704
cg232959							
85	chr5	12217373		-0.2965	-2.25032	0.025705	0.906432
cg013074							
61	chr3	1.78E+08		-0.24684	-2.2515	0.025628	0.90562
cg197038							
26	chr16	3185452		0.238251	2.249432	0.025762	0.906597
cg011092							
79	chr8	1920950		0.273196	2.25503	0.025401	0.904995
cg216738							
73	chr11	70511688		-0.23064	-2.24744	0.025892	0.90676
cg076619							
23	chr11	6502690		-0.20173	-2.25137	0.025637	0.90562
cg095883							
92	chr7	64332970		-0.31519	-2.25186	0.025605	0.90562
cg216492							
05	chr7	1.58E+08		0.283936	2.247808	0.025868	0.90676
cg077104							
50	chr16	911786		-0.24168	-2.25082	0.025672	0.906182
cg047197			ENSG000002455				
21	chr11	9787121	22	0.208125	2.259192	0.025136	0.904995
cg115646							
23	chr20	18125937	POLR3F	0.276319	2.249356	0.025767	0.906672
cg148580							
14	chr4	6728936		0.362524	2.248054	0.025852	0.90676
cg071024							
74	chr17	61499248		-0.24717	-2.25029	0.025707	0.906432
cg052170							
50	chr20	35064957		0.201929	2.254656	0.025425	0.904995
cg011401							
43	chr6	33039396		0.358936	2.248412	0.025829	0.90676
cg153279							
98	chr12	19527571		0.225772	2.250409	0.025699	0.906432

cg076155			TXNDC17;KIAA0				
72	chr17	7405889	753;PHF23	0.276493	2.249653	0.025748	0.90655
cg012549							
77	chr21	38336981		-0.25422	-2.24832	0.025835	0.90676
cg221273			ENSG0000002642				
14	chr5	54603891	81	-0.2127	-2.25058	0.025688	0.906349
cg161853							
65	chr3	1.96E+08		0.257795	2.249761	0.025741	0.90655
cg039768							
77	chr7	1.59E+08		-0.23225	-2.24706	0.025916	0.906774
cg010701							
48	chr19	45250754		0.192152	2.247735	0.025873	0.90676
cg260988							
15	chr8	1270577		-0.26248	-2.25472	0.025421	0.904995
cg107907							
47	chr19	36248020		0.270832	2.251484	0.025629	0.90562
cg231550			HSP90AB1;TCTE				
89	chr6	44698962	1	-0.24538	-2.24671	0.025939	0.907021
cg267235							
24	chr7	39775803		-0.37434	-2.24599	0.025987	0.907258
cg148645							
78	chr5	1.12E+08		0.264399	2.244931	0.026056	0.907547
cg005069							
35	chr15	89169262	HAPLN3	0.25454	2.251056	0.025657	0.906011
cg007220							
97	chr6	1.11E+08	FYN;METTL24	-0.14859	-2.2472	0.025908	0.90676
cg160488							
51	chr6	5145569		-0.21429	-2.25146	0.025631	0.90562
cg122724							
13	chr1	2.13E+08		0.205337	2.245447	0.026022	0.907343
cg216471							
89	chr4	16085814	LDB2;PROM1	0.336786	2.248511	0.025822	0.90676
cg063016			ENSG0000002301				
73	chr3	1.93E+08	02;MB21D2	-0.47294	-2.24924	0.025775	0.906704
cg159995			IFI35;RAMP2- AS1;RPL27;HSD1				
90	chr17	40718810	7B1P1	0.181458	2.246686	0.025941	0.907021
cg134911							
92	chr1	16679149		-0.17022	-2.2528	0.025545	0.90562
cg227228							
22	chr4	54931066		0.303816	2.249816	0.025737	0.90655
cg018516							
32	chr2	2.19E+08		-0.19385	-2.24651	0.025952	0.907219
cg204637							
15	chr19	10628715		-0.14599	-2.24784	0.025866	0.90676

cg228617							
58	chr5	65018493		-0.29289	-2.25152	0.025627	0.90562
cg250803							
22	chr2	2.05E+08		-0.18118	-2.25209	0.02559	0.90562
cg112088							
80	chr1	90287278		-0.22937	-2.24863	0.025814	0.90676
cg240627							
63	chr2	39470750 CDKL4		0.502497	2.248692	0.02581	0.90676
cg041924							
12	chr13	75980679		-0.39487	-2.25103	0.025659	0.906011

cg257366			VCL;CAMK2G;SY				
17	chr10	75411098 NPO2L;PPP3CB		0.362255	2.245625	0.02601	0.907333
cg248368							
33	chr19	12662709 MAN2B1		-0.20759	-2.25076	0.025676	0.906251
cg115620							
28	chr5	1.51E+08		0.287432	2.247871	0.025864	0.90676
cg098076							
43	chr4	1562946		-0.26424	-2.25063	0.025685	0.906349
cg049189							
00	chr1	40204479		0.158641	2.249081	0.025785	0.906704
cg134739							
09	chr9	1.16E+08		-0.15668	-2.25141	0.025634	0.90562
cg069203							
99	chr19	29218653		-0.4851	-2.24605	0.025983	0.907258
cg039845							
37	chr1	1.11E+08		-0.28714	-2.24851	0.025822	0.90676
cg166479							
21	chr4	41867533 APBB2		0.302064	2.246097	0.02598	0.907258
cg031492							
45	chr12	1.33E+08		-0.32355	-2.24808	0.02585	0.90676
cg241985							
84	chr1	1.8E+08		0.309025	2.251638	0.02562	0.90562
cg026377							
41	chr17	34072228		0.165616	2.252636	0.025555	0.90562
cg123634							
72	chr6	1.66E+08		0.220072	2.245424	0.026024	0.907343

cg154032			GPX2;PPP1R36;				
83	chr14	65233334 MTHFD1		-0.47668	-2.24928	0.025772	0.906704
cg156235							
50	chr5	1.77E+08		0.187829	2.244887	0.026059	0.907547
cg232679							
87	chr1	1.2E+08		-0.27701	-2.24618	0.025974	0.907258
cg026430							
54	chr7	27206544		0.240965	2.251819	0.025608	0.90562
cg118901							
69	chr13	1.01E+08		0.221881	2.250453	0.025696	0.906432

cg072889							
21	chr20	62103493		-0.11789	-2.25523	0.025389	0.904995
cg023687							
65	chr17	38219085		-0.14529	-2.24568	0.026007	0.907318
cg266920							
48	chr1	1.6E+08		0.242687	2.243468	0.026152	0.908045
cg003669							
34	chr6	1.36E+08		-0.18891	-2.24795	0.025859	0.90676
cg114327							
90	chr2	290382		0.313473	2.247335	0.025899	0.90676
cg196308							
41	chr15	70390368		-0.22269	-2.24884	0.025801	0.906759
cg245084							
09	chr1	1.12E+08		-0.17937	-2.24944	0.025762	0.906597
cg004748							
40	chr19	18120819		-0.43075	-2.24643	0.025958	0.907219
cg045867							
48	chr11	1.14E+08		0.215899	2.26174	0.024974	0.904516
cg087905							
81	chr5	1.07E+08		0.360661	2.246707	0.02594	0.907021
cg149450							
86	chr18	2657780		0.369061	2.249334	0.025769	0.906672
cg055284							
92	chr7	946657		-0.22385	-2.24519	0.026039	0.907343
cg094462							
20	chr7	97840014	RPS3AP26	0.299891	2.245222	0.026037	0.907343
cg269625							
95	chr11	72504889		-0.23547	-2.26141	0.024995	0.904516
cg235950							
55	chr1	1.67E+08	DUSP27	0.300011	2.248749	0.025807	0.90676
cg134899							
14	chr19	42875662		-0.19284	-2.24891	0.025796	0.906704
cg224936							
73	chr1	1.57E+08	FCRL5	0.188276	2.24712	0.025913	0.90676
cg084235							
75	chr1	22826800		0.294972	2.24598	0.025987	0.907258
cg153219			ENSG000002510				
97	chr8	23315326	34	-0.15753	-2.24639	0.02596	0.907219
cg084241							
88	chr16	75285647		-0.1585	-2.24488	0.026059	0.907547
cg240352							
02	chr17	78968925		-0.24094	-2.24573	0.026004	0.907318
cg126238							
52	chr1	2.28E+08		0.49354	2.24581	0.025998	0.907318
cg009083							
23	chr2	1.32E+08		-0.265	-2.24629	0.025967	0.907258
cg048519							
35	chr6	46703193	SLC25A27	-0.1849	-2.24817	0.025845	0.90676
cg204621							
00	chr1	12104871	C1orf158	-0.25379	-2.2439	0.026123	0.908039

cg262131						
55	chr11	20621701	0.40561	2.245144	0.026042	0.907343
cg124581		COL6A3;LINC011				
79	chr2	2.39E+08 07	-0.18257	-2.24575	0.026002	0.907318
cg228268						
03	chr4	1.53E+08	-0.3067	-2.24976	0.025741	0.90655
cg234771						
68	chr2	1.93E+08 MYO1B	-0.43043	-2.24712	0.025913	0.90676
cg208832						
27	chr6	28742389	0.207698	2.244491	0.026085	0.908039
cg009304						
55	chr7	96654548	0.240532	2.249888	0.025733	0.90655
cg037908						
48	chr11	8744496 OR5P3	0.227833	2.24404	0.026114	0.908039
cg059282						
90	chr14	54418728 CDKN3	0.279906	2.249018	0.025789	0.906704
cg054524						
06	chr6	10881891	0.377587	2.24351	0.026149	0.908039
cg157302						
13	chr20	34639058	-0.25521	-2.24838	0.025831	0.90676
cg077134						
95	chr19	4098990 PLIN5	0.230795	2.246197	0.025973	0.907258
cg143046						
74	chr9	91505364	-0.29398	-2.24734	0.025899	0.90676
cg241797						
34	chr5	891290 LPCAT1	0.335146	2.251719	0.025614	0.90562
cg168089						
22	chr17	64456857 PRKCA	-0.31726	-2.25265	0.025554	0.90562
cg191931						
35	chr11	1.18E+08	-0.24262	-2.24553	0.026016	0.907343
cg259457						
53	chr14	1.01E+08	-0.33588	-2.24818	0.025844	0.90676
cg053176						
30	chr4	1.84E+08	-0.13628	-2.24385	0.026127	0.908039
cg050187						
41	chr16	69020534	-0.20238	-2.2564	0.025313	0.904995
cg231462						
99	chr22	29078644	0.247421	2.249592	0.025752	0.90655
cg220459						
42	chr19	35490561	-0.33533	-2.24822	0.025841	0.90676
cg115764						
68	chr19	20749810	0.340503	2.245	0.026051	0.907547
cg195001						
85	chr8	38035015	-0.21593	-2.24891	0.025796	0.906704
cg057412						
19	chr2	24295212	-0.41143	-2.24513	0.026043	0.907343
cg224434						
90	chr15	99792144	0.300475	2.247833	0.025866	0.90676
cg046651						
24	chr12	1.31E+08 RIMBP2	-0.65572	-2.2458	0.025999	0.907318

cg005699							
82	chr6	75947572		-0.3407	-2.24902	0.025789	0.906704
cg024208							
50	chr10	1.19E+08		-0.26849	-2.24728	0.025902	0.90676
cg019696							
62	chr11	1330840		-0.18188	-2.24444	0.026088	0.908039
cg102488							
78	chr4	54965109		0.298359	2.243933	0.026121	0.908039
cg252814							
81	chr17	7155697		-0.12399	-2.24792	0.02586	0.90676
cg220080							
26	chr4	1.55E+08		0.265402	2.243771	0.026132	0.908039
cg251885							
94	chr1	91870362		0.347712	2.245211	0.026038	0.907343
cg245961							
32	chr15	89456136 C15orf38		0.407065	2.242979	0.026184	0.908288
cg191208							
97	chr18	5546794		0.32426	2.252391	0.025571	0.90562
cg051198							
31	chr7	1.58E+08		-0.25442	-2.24317	0.026171	0.908192
cg068349			ZDHHC11;ZDHH				
16	chr5	95610 C11B;TPPP		-0.31704	-2.2474	0.025894	0.90676
cg159042							
83	chr10	23484867		0.284109	2.2498	0.025738	0.90655
cg154772							
47	chr5	1.76E+08		0.308862	2.243651	0.02614	0.908039
cg189145							
14	chr18	18822123		-0.17768	-2.24687	0.025929	0.906857
cg031023							
86	chr11	1.29E+08		0.315348	2.241964	0.026251	0.90884
cg017212							
04	chr1	45672405		-0.17603	-2.24184	0.026259	0.90884
cg211460							
37	chr8	1.26E+08		0.19578	2.252163	0.025586	0.90562
cg134671							
62	chr11	65600888		0.258286	2.248341	0.025833	0.90676
cg159780							
14	chr1	40420635		0.15185	2.247111	0.025913	0.90676
cg097577							
12	chr8	85094742		0.382817	2.24354	0.026147	0.908039
cg113212							
98	chr22	40766510		-0.26772	-2.24532	0.026031	0.907343
cg049065							
75	chr7	15392612		0.308359	2.247147	0.025911	0.90676
cg089066							
31	chr19	52643011 ZNF808		0.206477	2.244201	0.026104	0.908039
cg005325							
02	chr1	2.47E+08		-0.27748	-2.24136	0.026291	0.909039

cg074853							
57	chr14	24803679		0.212284	2.247313	0.0259	0.90676
cg171802							
37	chr1	1.2E+08		0.331567	2.242942	0.026187	0.908288
cg102732							
17	chr11	1.23E+08		0.310855	2.2445	0.026084	0.908039
cg173799							
32	chr10	12085598		0.340893	2.251539	0.025626	0.90562
cg215076			FLNB-				
10	chr3	58292716	AS1;ASB14;ARF4	-0.18363	-2.24722	0.025906	0.90676
cg215611							
42	chr6	18265208		-0.25599	-2.24281	0.026195	0.90831
cg070893							
99	chr8	6481582		0.337494	2.246644	0.025944	0.907021
cg018181							
51	chr17	46797042		0.360437	2.249629	0.02575	0.90655
cg171316							
53	chr12	34317983		-0.20024	-2.24737	0.025897	0.90676
cg126304							
09	chr1	36916195		0.159518	2.244271	0.026099	0.908039
cg011011							
78	chr1	2198760	TTC34;C1orf222	0.260234	2.24097	0.026317	0.909091
cg040049							
04	chr10	15138605		0.286484	2.24316	0.026172	0.908192
cg146365							
34	chr5	87968528		0.410476	2.242362	0.026225	0.908521
cg103646							
45	chr3	1.95E+08		0.542327	2.247992	0.025856	0.90676
cg105602							
45	chr11	69957900	ANO1;SHANK2	0.267275	2.249161	0.02578	0.906704
cg265507			CPQ;ENSG00000				
10	chr8	97167878	253773	0.258722	2.241859	0.026258	0.90884
cg021840							
08	chr11	44333072		0.215309	2.242355	0.026225	0.908521
cg239526							
44	chr13	27131780		-0.1861	-2.24549	0.026019	0.907343
cg007471							
52	chr19	39339713		0.219935	2.244468	0.026086	0.908039
cg144999							
33	chr2	444769		0.244155	2.247007	0.02592	0.906774
cg084722			HYDIN;ENSG000				
47	chr16	70332992	00262890	-0.29996	-2.24243	0.02622	0.908521
cg266458							
79	chr20	23545938		-0.15841	-2.24526	0.026034	0.907343
cg147409							
52	chr19	489669		0.199317	2.250023	0.025724	0.90655



cg060919						
34	chr6	1.5E+08	0.357167	2.245179	0.02604	0.907343
cg019758						
77	chr1	9324232	0.294603	2.243226	0.026168	0.908192
cg148808						
00	chr5	13945990 DNAH5	0.253768	2.246001	0.025986	0.907258
cg197653						
78	chr7	1148301	-0.3002	-2.24123	0.026299	0.909084
cg243995						
40	chr2	2.07E+08	0.371065	2.243709	0.026136	0.908039
cg221920						
69	chr6	13305324	0.442065	2.242356	0.026225	0.908521
cg032759						
10	chr7	822431	0.342895	2.243134	0.026174	0.908192
cg185518						
92	chr11	86667149	-0.18919	-2.24202	0.026247	0.90884
cg066123						
55	chr5	1.03E+08	-0.26919	-2.2491	0.025784	0.906704
cg000056						
22	chr8	1.45E+08	0.210538	2.243584	0.026144	0.908039
cg018636						
13	chr17	28443583	0.27505	2.242869	0.026191	0.90831
cg064955						
01	chr22	50523761 ADM2	0.300622	2.24494	0.026055	0.907547
cg202215						
91	chr2	2.41E+08	0.443766	2.242803	0.026196	0.90831
cg028456						
85	chr6	20212667	-0.17054	-2.24222	0.026234	0.908748
cg050310						
11	chr16	1216327	-0.26457	-2.2441	0.02611	0.908039
cg054635						
89	chr16	88706426	0.488669	2.244389	0.026091	0.908039
cg163593						
70	chr14	70379938	-0.27793	-2.24215	0.026239	0.90884
cg019257		PCDHGA4;PCDH				
38	chr5	1.4E+08 GA5	0.485974	2.241112	0.026307	0.909084
cg119740						
96	chr2	2.33E+08	-0.20074	-2.24995	0.025729	0.90655
cg171917						
15	chr8	86290878	-0.26202	-2.24664	0.025944	0.907021
cg231619						
99	chr2	1.62E+08	0.336871	2.244338	0.026095	0.908039
cg004647						
38	chr6	29830248 HLA-H;HLA-K	-0.31023	-2.24818	0.025844	0.90676
cg030496						
93	chr11	89465190	-0.27157	-2.24245	0.026219	0.908521
cg236957						
07	chr14	95234826 PRIMA1;CLMN	0.325266	2.243511	0.026149	0.908039

			S100A3;C1orf18 9;INTS3;CREB3L4 ;SHE;TDRD10;GA TAD2B;HAX1;SLC 27A3;S100A2;NP R1;JTB;ENSG000				
cg152079							
93	chr1	1.54E+08	00223599	0.408026	2.255305	0.025384	0.904995
cg193909							
95	chr12	1.07E+08		-0.36314	-2.23924	0.026431	0.90975
cg183135							
30	chr11	1.12E+08		0.170793	2.24175	0.026265	0.90884
cg092551							
02	chr3	1.39E+08		0.449928	2.239172	0.026436	0.90975
cg117171							
89	chr11	2154132		-0.35947	-2.24189	0.026256	0.90884
cg068457							
74	chr4	1.55E+08		0.382816	2.245967	0.025988	0.907258
cg120764							
63	chr4	85418265		0.300527	2.241155	0.026304	0.909084
cg226621							
82	chr2	60665598		-0.25168	-2.24693	0.025925	0.906842
cg196566							
89	chr12	71113529	PTPRB	0.338269	2.245307	0.026031	0.907343
cg245983							
16	chr5	76939397		0.255008	2.246077	0.025981	0.907258
cg014473			ENSG000001790				
22	chr11	66035600	38	-0.23516	-2.24566	0.026008	0.907318
cg163986							
86	chr1	94344260		-0.18047	-2.24311	0.026175	0.908192
cg265670							
12	chr5	1.51E+08		0.277682	2.247628	0.02588	0.90676
cg075274							
26	chr6	44125473		0.242014	2.242843	0.026193	0.90831
cg044562							
38	chr11	32450104		0.261332	2.242538	0.026213	0.908521
cg085342							
56	chr22	39189722		0.262752	2.240833	0.026326	0.909091
cg196216							
28	chr1	65466245	RAVER2	0.224466	2.247038	0.025918	0.906774
cg064119							
87	chr10	1.34E+08		-0.30095	-2.24269	0.026203	0.908425
cg105833			ENSG000002507				
11	chr12	1.33E+08	90	-0.23703	-2.24046	0.02635	0.909091

cg060320							
90	chr20	17209845		0.355925	2.243904	0.026123	0.908039
cg275278							
74	chr6	29571074	SCAND3	0.247134	2.240513	0.026347	0.909091
cg245223							
74	chr3	1.57E+08		0.20629	2.241898	0.026255	0.90884
cg204738							
95	chr5	1.57E+08		0.162226	2.239977	0.026382	0.90948
cg030192							
19	chr6	29275071		0.39276	2.239774	0.026396	0.909654
cg234378							
43	chr3	44596360	ANO10	0.323961	2.240573	0.026343	0.909091
cg225120							
41	chr2	22504250		-0.3571	-2.2415	0.026282	0.90884
cg135432							
54	chr15	33131642		-0.2971	-2.2427	0.026203	0.908425
cg177142							
76	chr4	1.57E+08		-0.21075	-2.24	0.026381	0.90948
cg146590							
08	chr8	1.02E+08		-0.20715	-2.23965	0.026404	0.909654
cg266162							
83	chr7	11871535		0.192205	2.245862	0.025995	0.907318
cg010526							
14	chr8	1.44E+08	LYNX1;GPIHBP1	-0.19275	-2.2411	0.026308	0.909084
cg014178							
49	chr6	33781855	TAP1;PSMB8	-0.24043	-2.2425	0.026216	0.908521
cg182328							
61	chr5	1.32E+08		0.320759	2.24098	0.026316	0.909091
cg194846							
45	chr6	4995292		0.297732	2.24434	0.026095	0.908039
cg134744			DENND3;TRAPPC				
50	chr8	1.42E+08	9	-0.28582	-2.24602	0.025985	0.907258
cg071838							
76	chr5	80257268	RASGRF2	0.242634	2.24595	0.025989	0.907258
cg060088							
73	chr8	25745763		0.241627	2.241665	0.026271	0.90884
cg109399							
66	chr2	1.79E+08		-0.27221	-2.24151	0.026281	0.90884
cg260432							
57	chr4	15780238	TAPT1-AS1	0.238326	2.242034	0.026246	0.90884
cg178421							
57	chr17	42200988		-0.22264	-2.24085	0.026324	0.909091
cg260890							
07	chr18	44256337		-0.28089	-2.24184	0.026259	0.90884
cg004143							
84	chr11	68518048		0.339912	2.242655	0.026205	0.908425
cg153641							
31	chr22	32341622		-0.2322	-2.2404	0.026354	0.909091
cg089311							
02	chr16	67261071		-0.16907	-2.24152	0.02628	0.90884

cg237673							
18	chr12	62584454		-0.39793	-2.24363	0.026141	0.908039
cg149839							
93	chr14	20937849		-0.17724	-2.24385	0.026127	0.908039
cg195666							
41	chr8	49628762		-0.18109	-2.2442	0.026104	0.908039
cg212221							
78	chr19	17759409	KXD1	-0.53079	-2.24126	0.026297	0.909084
cg005741							
96	chr1	22137992		-0.29143	-2.24297	0.026184	0.908288
cg171798							
26	chr1	2.05E+08	MDM4	-0.2281	-2.23942	0.026419	0.90975
cg119798							
46	chr1	2.47E+08		-0.3702	-2.24063	0.026339	0.909091
cg004497							
38	chr1	91997846		-0.26406	-2.24312	0.026175	0.908192
cg164503							
09	chr3	1.71E+08		0.502444	2.243504	0.02615	0.908039
cg090554							
89	chr6	42175018		-0.26589	-2.23884	0.026457	0.909761
cg072597							
32	chr16	88633709		0.298972	2.240101	0.026374	0.909407
cg209165							
00	chr8	652685		0.298244	2.243357	0.026159	0.908149
cg102110							
19	chr19	37328842		0.253531	2.243687	0.026138	0.908039
cg197018							
79	chr4	23881105		0.395726	2.246465	0.025955	0.907219
cg180212							
86	chr11	1.16E+08		0.181758	2.241849	0.026259	0.90884
cg064824							
28	chr4	21950173		0.404013	2.239632	0.026405	0.909654
cg174596							
60	chr11	1.3E+08		-0.16213	-2.2439	0.026123	0.908039
cg110662			CARD11;FTSJ2;P				
09	chr7	2282252	SMG3	0.298705	2.237808	0.026526	0.910176
			SORBS2;ENSG00				
cg055462			000233110;ENS				
64	chr4	1.88E+08	G00000235902	0.331208	2.246912	0.025926	0.906842
cg250859							
69	chr5	1.71E+08		0.197272	2.247397	0.025895	0.90676
cg179136							
70	chr7	1.59E+08		-0.27459	-2.24108	0.026309	0.909084
cg204435							
01	chr6	1.44E+08		0.207534	2.241164	0.026304	0.909084

cg12782201	chr14	1.02E+08		-0.2807	-2.23874	0.026465	0.909761
cg08865458	chr20	36793866		0.391463	2.240326	0.026359	0.909184
cg04652621	chr7	1.51E+08		0.207385	2.239205	0.026433	0.90975
cg09341209	chr11	2422446		0.132765	2.243029	0.026181	0.908288
cg13682704	chr9	1.32E+08		0.137025	2.240421	0.026353	0.909091
cg26695125	chr10	27149660		-0.23868	-2.23932	0.026426	0.90975
cg04208734	chr7	73270063		-0.15428	-2.23788	0.026522	0.910158
cg24593231	chr3	1.42E+08		-0.2158	-2.24072	0.026333	0.909091
cg04738552	chr19	6502763		0.383098	2.248423	0.025828	0.90676
cg26261342	chr12	56512029		-0.17644	-2.24612	0.025978	0.907258
cg14067450	chr9	1.35E+08	TSC1	0.248362	2.244083	0.026111	0.908039
cg10910512	chr6	1.13E+08	REV3L;BRD7P4;E NSG0000023723 4	0.385241	2.238099	0.026507	0.909871
cg02573091	chr5	74908125	HEXB	-0.46742	-2.24165	0.026271	0.90884
cg06677538	chr7	1.01E+08		0.272232	2.238738	0.026464	0.909761
cg00151191	chr2	71268532		-0.1742	-2.24846	0.025826	0.90676
cg09326404	chr1	46956839		0.321458	2.239878	0.026389	0.909621
cg09180520	chr1	35355260		-0.33156	-2.24046	0.02635	0.909091
cg21515159	chr19	11639617		-0.13332	-2.2436	0.026143	0.908039
cg16879596	chr7	99277978		-0.1904	-2.23645	0.026617	0.910557
cg17425616	chr5	1.22E+08		-0.26948	-2.24733	0.025899	0.90676
cg26164710	chr1	15348264	DNAJC16	-0.28261	-2.24519	0.026039	0.907343
cg03509079	chr16	26031138		-0.5678	-2.23928	0.026429	0.90975
cg25377358	chr10	1.22E+08		-0.18543	-2.23846	0.026483	0.909761
cg25256723	chr1	1.7E+08		0.194363	2.239515	0.026413	0.909737

cg149183							
91	chr11	76777881	-0.17403	-2.23833	0.026491	0.909761	
cg116848							
89	chr12	94853499	0.202438	2.242401	0.026222	0.908521	
cg012879							
75	chr7	97361241	0.419382	2.236745	0.026597	0.910557	
cg206836							
56	chr8	25902551	-0.28821	-2.24768	0.025876	0.90676	
cg261025							
03	chr20	57425994	0.179284	2.244468	0.026086	0.908039	
cg128866							
34	chr12	56616029	0.185087	2.239607	0.026407	0.909654	
cg169937							
94	chr22	24199328	0.28093	2.240942	0.026318	0.909091	
cg098615							
83	chr2	2.39E+08 TRAF3IP1	0.363767	2.238564	0.026476	0.909761	
cg051195							
04	chr3	99905910	-0.24474	-2.24158	0.026276	0.90884	
cg127761							
71	chr17	72442928 CD300A	0.273256	2.237757	0.02653	0.91022	
cg012929							
24	chr7	76257234	0.243395	2.240723	0.026333	0.909091	
cg010858							
37	chr12	22094461	0.383831	2.243753	0.026133	0.908039	
cg160472							
92	chr7	99441585	-0.28525	-2.23784	0.026524	0.910171	
cg026513							
57	chr6	6695860 FARS2;NRN1	-0.29251	-2.24407	0.026112	0.908039	
cg136772							
79	chr10	1.04E+08	-0.12408	-2.24019	0.026368	0.909343	
cg259835							
44	chr18	23713626	0.418356	2.238668	0.026469	0.909761	
cg018484							
57	chr12	1.05E+08 GLT8D2;APPL2	0.451855	2.240648	0.026338	0.909091	
cg108039							
35	chr8	91293630 TMEM64	0.291687	2.238185	0.026501	0.909827	
cg230917							
58	chr11	9025767	-0.37275	-2.23908	0.026442	0.90975	
cg113314							
45	chr12	47219877	0.481866	2.238605	0.026473	0.909761	
cg199504							
74	chr5	43040438	-0.25778	-2.23864	0.026471	0.909761	
cg179825							
04	chr16	68056849	-0.1855	-2.24147	0.026283	0.90884	
cg226575							
36	chr15	74988951	0.275895	2.240958	0.026317	0.909091	
cg066291							
70	chr5	1.39E+08	-0.1771	-2.23897	0.026449	0.909761	
cg145031							
68	chr10	1.35E+08	-0.21549	-2.23635	0.026624	0.910557	

cg059009							
55	chr13	1.15E+08		0.290759	2.238391	0.026488	0.909761
cg026676							
56	chr5	1.68E+08	SLIT3;WWC1	-0.20573	-2.2435	0.02615	0.908039
cg044519							
88	chr10	15412706		-0.19328	-2.23638	0.026622	0.910557
			GIMAP2;TMEM1				
			76B;GIMAP1;GI				
			MAP7;GIMAP8;				
			GIMAP5;GIMAP				
			4;RARRES2;TME				
cg096127							
86	chr7	1.51E+08	M176A;GIMAP6	0.305209	2.237073	0.026575	0.910557
cg137214							
29	chr12	1.07E+08		0.365265	2.239198	0.026434	0.90975
cg033503			LONRF2;ENSG00				
26	chr2	1.02E+08	000272902	-0.22068	-2.23966	0.026403	0.909654
cg068925							
01	chr11	5345105		-0.28176	-2.2453	0.026032	0.907343
cg275860							
68	chr19	3500442		0.177559	2.238772	0.026462	0.909761
cg276029							
81	chr16	89385820		-0.30139	-2.23969	0.026401	0.909654
cg274243							
22	chr11	1282842	TMEM80	0.231654	2.237644	0.026537	0.910332
cg086167							
60	chr5	1.78E+08		-0.30844	-2.23485	0.026724	0.910785
cg000642							
55	chr1	90100012		-0.29202	-2.24455	0.026081	0.908039
cg183059							
12	chr2	59789603		-0.39536	-2.24312	0.026175	0.908192
cg130146							
23	chr3	18465519	SATB1	-0.24748	-2.2391	0.026441	0.90975
cg275168							
24	chr3	1.46E+08		-0.23447	-2.23805	0.02651	0.909871
cg153194							
70	chr12	62546183		-0.39786	-2.2361	0.02664	0.910557
cg163743							
19	chr3	37876385		0.316501	2.241747	0.026265	0.90884
cg138702							
75	chr4	1.71E+08		-0.25217	-2.23871	0.026466	0.909761
cg222942							
41	chr19	55691761	DNAAF3	-0.23539	-2.23714	0.026571	0.910557
cg045346							
97	chr6	1.64E+08		0.890673	2.235556	0.026677	0.910785

cg084926							
19	chr13	88324193		0.290082	2.236918	0.026586	0.910557
cg259383							
47	chr15	75639163	SNX33	0.300014	2.237459	0.02655	0.910528
cg118276							
29	chr12	1.16E+08		-0.38034	-2.236	0.026647	0.910557
cg199146							
20	chr10	1.35E+08		-0.1891	-2.24399	0.026118	0.908039
cg004025							
54	chr1	56454285		-0.36979	-2.2355	0.026681	0.910785
cg012099							
84	chr21	47469679		-0.32549	-2.23393	0.026785	0.910785

cg011835			C11orf49;AGBL2				
95	chr11	46746236	;MAPK8IP1	0.311873	2.236778	0.026595	0.910557
cg252114							
03	chr21	46975897		0.805297	2.232612	0.026874	0.911633
cg184958							
84	chr7	2020099	PSMG3;GPER1	-0.66628	-2.23669	0.026601	0.910557
cg140117							
34	chr3	10290674		-0.30088	-2.23831	0.026493	0.909761
cg220544							
49	chr13	1.13E+08		-0.29029	-2.23981	0.026394	0.909654
cg222084							
35	chr7	29846584		0.229241	2.240473	0.026349	0.909091
cg069282							
46	chr1	2.28E+08		0.363873	2.234082	0.026775	0.910785
cg049817							
37	chr12	54383434	ITGB7	-0.24114	-2.23821	0.0265	0.909827
cg137979							
14	chr15	42192995		0.238913	2.239119	0.026439	0.90975

ch.17.110			RPL27;ENSG000				
2270R	chr17	40721716	00267002	0.294556	2.237491	0.026547	0.910528

cg025108			ENSG000002611				
53	chr16	3031707	23;PKD1;NTHL1	0.29236	2.235377	0.026689	0.910785
cg262564							
31	chr1	2.46E+08		0.314577	2.236902	0.026587	0.910557
cg151290							
97	chr10	7376699		-0.24549	-2.23699	0.026581	0.910557
cg240955							
92	chr17	46633202		0.32795	2.233719	0.0268	0.910785
cg203639							
31	chr10	1.24E+08		0.314226	2.23647	0.026616	0.910557
cg065229							
15	chr7	73758449		-0.21987	-2.23505	0.026711	0.910785



cg101386						
23	chr10	1.14E+08		-0.3558	-2.23587	0.026656 0.910674
cg204287						
13	chr1	48162438		-0.26536	-2.23905	0.026444 0.909751
cg035752						
28	chr2	2.41E+08		0.316266	2.23629	0.026628 0.910557
cg032446						
96	chr2	1.73E+08		0.221439	2.234996	0.026714 0.910785
cg195084						
88	chr2	1.52E+08		-0.22955	-2.2362	0.026633 0.910557
ch.20.905						
431R	chr20	42339567		0.329498	2.2405	0.026348 0.909091
cg072638						
53	chr5	1.8E+08		0.378219	2.235607	0.026673 0.910785
cg082201						
22	chr8	1.41E+08		0.299244	2.23582	0.026659 0.910707
cg209481						
51	chr1	36863938		0.402582	2.234291	0.026761 0.910785
cg231437						
96	chr6	33359770		-0.1496	-2.24119	0.026302 0.909084
cg008941		ENSG000002234				
34	chr9	1.31E+08 78		-0.33256	-2.23997	0.026383 0.90948
cg070797						
55	chr20	62710946		-0.16387	-2.23867	0.026469 0.909761
cg213213						
59	chr2	81694534		-0.302	-2.24019	0.026368 0.909343
cg132771						
79	chr16	30759310		0.318978	2.236487	0.026614 0.910557
cg197803						
52	chr4	1.7E+08		0.58007	2.237195	0.026567 0.910557
cg028612						
60	chr13	1.14E+08		-0.36834	-2.2457	0.026005 0.907318
cg010376						
73	chr19	11485375 ZNF627;ZNF844		-0.152	-2.23708	0.026575 0.910557
cg212185						
61	chr14	34434147		-0.29968	-2.23736	0.026556 0.910557
cg222556						
90	chr13	49076999		0.27802	2.23562	0.026672 0.910785
cg236195		ENSG000002268				
77	chr1	65297524 91		0.276293	2.24338	0.026158 0.908149
cg256358		RPS7P1;RPL23A;				
40	chr17	26898051 SDF2		-0.18885	-2.23411	0.026774 0.910785
cg019102		TRIP13;TPPP;LPC				
36	chr5	1661865 188002		-0.27207	-2.23439	0.026755 0.910785
cg243367						
69	chr6	38305513		0.226854	2.23613	0.026638 0.910557

cg163322							
83	chr21	45139805		-0.17327	-2.23532	0.026692	0.910785
cg069064							
72	chr2	1.08E+08		0.867524	2.233225	0.026833	0.91136
cg042910							
24	chr8	1.41E+08		0.242664	2.238496	0.026481	0.909761
cg000541							
73	chr21	34542436	GART	0.226256	2.236847	0.02659	0.910557
cg101127							
81	chr11	1.18E+08		-0.30494	-2.23769	0.026534	0.910296
cg177404							
34	chr2	1.79E+08	TTN-AS1;TTN	0.455317	2.235949	0.02665	0.910557
cg232628							
97	chr5	1.41E+08		0.219283	2.235404	0.026687	0.910785
cg239517							
81	chr4	1.6E+08		0.181859	2.239185	0.026435	0.90975
cg053451							
58	chr16	87730904	SLC7A5	0.271723	2.238731	0.026465	0.909761
cg075625							
41	chr6	1.37E+08		-0.19429	-2.23513	0.026705	0.910785
cg171594							
83	chr6	17600760		-0.14493	-2.23463	0.026739	0.910785
ch.12.679			ENSG000001773				
484R	chr12	30831548	40	0.321532	2.239136	0.026438	0.90975
cg090958							
92	chr10	91597207		0.450192	2.234365	0.026756	0.910785
cg002873							
12	chr13	53420425		0.394397	2.236581	0.026608	0.910557
cg253249							
36	chr17	45398817		0.296564	2.240801	0.026328	0.909091
cg010550							
00	chr16	56763872		0.170605	2.234856	0.026723	0.910785
cg033134							
51	chr12	1.24E+08		0.382703	2.231887	0.026923	0.911633
cg060327							
35	chr6	84227227		-0.24149	-2.24056	0.026344	0.909091
cg026574							
01	chr19	22469223		0.325512	2.233397	0.026821	0.91123
cg184972							
80	chr19	42363952		-0.18186	-2.23387	0.026789	0.910785
cg180528							
23	chr5	1.09E+08		-0.28763	-2.23511	0.026707	0.910785
cg253104							
30	chr7	1.59E+08		-0.12629	-2.2363	0.026627	0.910557
cg134256							
37	chr14	61788328		-0.14405	-2.23372	0.0268	0.910785
cg011343							
09	chr16	89190525		-0.29838	-2.25251	0.025563	0.90562
cg215000							
92	chr17	4245206		-0.22301	-2.23743	0.026551	0.910528

cg221852							
06	chr5	1.73E+08		-0.23084	-2.23497	0.026716	0.910785
cg230019							
30	chr7	2094477		-0.291	-2.23172	0.026934	0.911633
cg221830							
49	chr5	1.39E+08	LRRTM2;MZB1	0.179435	2.246405	0.025959	0.907219
cg133782							
72	chr12	1.32E+08		-0.24997	-2.23625	0.026631	0.910557
cg035454							
04	chr5	1.5E+08	AFAP1L1	-0.33307	-2.23826	0.026496	0.909809
cg102485							
52	chr3	1.85E+08		0.181274	2.231665	0.026938	0.911633
cg105435							
01	chr5	1.54E+08		-0.25374	-2.23804	0.026511	0.909871
cg028891							
56	chr1	85548376		-0.25309	-2.23805	0.02651	0.909871
cg061242							
24	chr1	99470709		0.211522	2.232553	0.026878	0.911633
cg174657							
52	chr8	22561149	DOK2	-0.33323	-2.23179	0.026929	0.911633
cg216725							
50	chr9	34576199		-0.28861	-2.24157	0.026277	0.90884
cg006085							
48	chr19	40972521		0.291403	2.23602	0.026646	0.910557
cg003466							
23	chr6	38202492	RNF8	-0.33897	-2.23285	0.026858	0.911465
cg219960							
68	chr16	20360217		0.302915	2.2344	0.026754	0.910785
cg156811							
45	chr8	28906986		0.271658	2.236322	0.026625	0.910557
cg188130							
20	chr5	1.22E+08		0.354428	2.234839	0.026725	0.910785
cg175103			CFL1;EIF1AD;DR				
20	chr11	66360559	AP1	0.157247	2.241551	0.026278	0.90884
cg217100							
60	chr13	1.14E+08		-0.20131	-2.23536	0.026689	0.910785
cg065811							
75	chr7	96632635		0.351719	2.233594	0.026808	0.910997
cg101435							
81	chr6	1.54E+08		-0.33499	-2.23615	0.026637	0.910557
cg053317							
91	chr20	62383275		-0.85468	-2.23285	0.026858	0.911465
cg166441			ZNF135;ENSG00				
77	chr19	58125438	000176593	-0.22843	-2.23483	0.026725	0.910785
cg105466							
26	chr20	57424521		-0.26087	-2.23514	0.026705	0.910785
cg182134							
40	chr3	1E+08		-0.24201	-2.23631	0.026626	0.910557

cg016992							
98	chr20	54581398		0.276028	2.234886	0.026721	0.910785
cg244026							
03	chr22	45064465	EFCAB6	-0.15524	-2.23494	0.026718	0.910785
cg059529							
25	chr7	93551275		0.172373	2.234393	0.026754	0.910785
cg089467							
20	chr2	1416855		0.237076	2.239477	0.026415	0.909737
cg011086							
42	chr16	77103259		-0.25177	-2.24069	0.026335	0.909091
cg275710							
57	chr4	1646179		-0.30722	-2.2321	0.026909	0.911633
cg064569							
58	chr17	80928897		-0.28758	-2.23372	0.0268	0.910785
cg102135							
42	chr5	1.79E+08		-0.52853	-2.23248	0.026883	0.911633
cg159490							
44	chr5	1.41E+08		-0.22022	-2.23251	0.026881	0.911633
cg241757							
77	chr7	1.49E+08		0.247695	2.233864	0.02679	0.910785
cg236590			RNU1-				
15	chr14	35099524	27P;NFKBIA	0.205301	2.23688	0.026588	0.910557
cg048303							
16	chr1	2.03E+08	LAX1	-0.27234	-2.23447	0.026749	0.910785
cg124488							
60	chr6	1.07E+08		-0.19238	-2.23569	0.026668	0.910785
cg197575							
73	chr14	1.02E+08	WARS	-0.35283	-2.23312	0.02684	0.91136
cg197903							
52	chr8	818778		0.438938	2.234666	0.026736	0.910785
cg135608							
41	chr8	1.42E+08		-0.27446	-2.23619	0.026634	0.910557
cg021761							
48	chr7	1.28E+08		0.301923	2.235587	0.026675	0.910785
cg222263							
42	chr21	31693907		-0.29316	-2.23466	0.026737	0.910785
cg196996							
28	chr3	1.5E+08		0.184144	2.232075	0.02691	0.911633
cg259067							
70	chr7	1.58E+08		0.310234	2.23378	0.026796	0.910785
cg071299							
24	chr7	1.55E+08		0.233704	2.234277	0.026762	0.910785
cg115108							
71	chr17	40703470		-0.25205	-2.23124	0.026967	0.911633
cg005914							
06	chr2	2.14E+08		-0.24988	-2.23864	0.026471	0.909761
cg196072							
29	chr15	65914184		0.259222	2.230153	0.02704	0.911633

cg211192							
93	chr14	1.05E+08		-0.24767	-2.23595	0.02665	0.910557
cg200922							
96	chr10	1.35E+08		-0.26936	-2.23659	0.026608	0.910557
cg201854							
61	chr19	18899082		0.268627	2.232372	0.02689	0.911633
cg237371							
90	chr6	36930021		0.4665	2.230804	0.026996	0.911633
cg151987							
88	chr1	31888341		-0.20073	-2.23098	0.026984	0.911633

			PCSK7;DSCAML1				
cg222938			;CADM1;TAGLN;				
23	chr11	1.16E+08	BACE1	-0.35448	-2.23636	0.026623	0.910557
cg075615							
47	chr1	2.01E+08		0.269225	2.229861	0.02706	0.911633
cg249366							
30	chr11	1.09E+08		-0.30998	-2.23747	0.026549	0.910528
cg166583							
37	chr5	1468749		-0.28401	-2.23519	0.026701	0.910785
cg162825							
27	chr3	10183940		0.27319	2.231366	0.026958	0.911633
cg043953							
69	chr19	19739209		-0.15661	-2.23043	0.027021	0.911633
cg116034							
43	chr3	58572520		0.257014	2.238535	0.026478	0.909761
cg198467							
00	chr12	56473973		-0.20534	-2.23245	0.026885	0.911633
cg083236							
51	chr7	1.37E+08		0.376429	2.231201	0.026969	0.911633
cg021552							
62	chr4	1.78E+08		0.210663	2.231768	0.026931	0.911633
cg156764							
55	chr3	1.29E+08		0.272259	2.238903	0.026454	0.909761
cg201409							
08	chr1	26303863		-0.26108	-2.23613	0.026638	0.910557

			ZBTB4;CYB5D1;D				
cg029463							
94	chr17	8011969	NAH2	-0.26396	-2.23001	0.02705	0.911633
cg263336							
52	chr5	2750758		0.460621	2.230087	0.027045	0.911633
cg109128							
06	chr5	42421216		0.316388	2.238358	0.02649	0.909761
cg172139							
46	chr1	43997516		-0.17824	-2.23616	0.026636	0.910557
cg251242							
23	chr6	1.5E+08		-0.20843	-2.23393	0.026786	0.910785
cg227285							
51	chr15	61521987		0.310925	2.236358	0.026623	0.910557

cg006431							
45	chr16	11482317		-0.19018	-2.23391	0.026787	0.910785
cg140730							
63	chr19	9785906		0.390598	2.233118	0.02684	0.91136
cg051952							
35	chr19	40503293		0.170232	2.234368	0.026756	0.910785
cg119887			GSS;ENSG00000				
22	chr20	33416959	269202;AHCY	-0.23838	-2.23179	0.02693	0.911633
cg172452							
30	chr2	2.37E+08		-0.27132	-2.23662	0.026606	0.910557
cg216906							
21	chr17	48858534		0.218168	2.235725	0.026665	0.910785
cg044928							
07	chr5	2225108		-0.30535	-2.23115	0.026973	0.911633
cg139585							
83	chr8	1.02E+08		-0.24951	-2.23122	0.026968	0.911633
cg188157							
98	chr5	625704		0.210416	2.234308	0.02676	0.910785
cg063850							
00	chr7	71118294		-0.20187	-2.22824	0.02717	0.912073
cg246250			KIF7;CRT3;MFG				
84	chr15	90171885	E8	-0.29381	-2.23947	0.026416	0.909737
cg166968							
56	chr19	14183086		-0.20416	-2.23454	0.026745	0.910785
cg198661							
95	chr13	37004536		0.35638	2.232485	0.026883	0.911633
cg010466							
73	chr22	29999118		-0.17233	-2.23619	0.026634	0.910557
cg153851							
39	chr6	29595506		0.235408	2.234061	0.026777	0.910785
cg051287							
07	chr12	1.32E+08		-0.22331	-2.23298	0.02685	0.911464
cg080261							
44	chr9	78505312		-0.27077	-2.23395	0.026784	0.910785
cg214064							
09	chr1	10413700	PIK3CD	0.204916	2.241554	0.026278	0.90884
cg235948							
82	chr7	54487346		-0.27406	-2.23181	0.026928	0.911633
cg070913							
55	chr11	33891733		0.292699	2.239671	0.026403	0.909654
cg214578							
39	chr20	2854634		-0.263	-2.23239	0.026889	0.911633
cg093633							
42	chr4	1765091		-0.25063	-2.23421	0.026767	0.910785
cg066450							
33	chr1	50890678		0.330233	2.229865	0.02706	0.911633

cg248741							
80	chr4	1.08E+08		0.364284	2.233881	0.026789	0.910785
cg025025							
10	chr17	72362447	SLC16A5	0.270694	2.231572	0.026944	0.911633
			HLA-DMA;HLA-				
cg257446			DMB;HLA-				
82	chr6	32797578	DRA;NOTCH4	0.730623	2.23032	0.027029	0.911633
cg053693							
57	chr15	95808226		-0.77394	-2.23243	0.026886	0.911633
cg107928							
64	chr6	32940589		-0.21126	-2.22981	0.027064	0.911633
cg178071							
31	chr4	4854690		-0.30879	-2.2315	0.026949	0.911633
cg220826							
65	chr1	2.45E+08		0.359483	2.238452	0.026483	0.909761
cg020920							
98	chr20	20032981		0.176346	2.233251	0.026831	0.91136
cg027848							
48	chr19	50316878	ZNF473	-0.23441	-2.23316	0.026837	0.91136
cg147030							
61	chr11	1.2E+08		-0.24881	-2.23356	0.026811	0.911011
cg057662							
51	chr17	37024760		0.249878	2.231513	0.026948	0.911633
cg028605							
43	chr7	23510648		0.326766	2.230957	0.026986	0.911633
cg250775							
58	chr5	1.57E+08	MED7	-0.32395	-2.23084	0.026993	0.911633
cg193787							
29	chr1	26484249		0.231486	2.233256	0.026831	0.91136
cg103273							
99	chr7	5390793		0.245839	2.230006	0.02705	0.911633
cg230778							
84	chr2	1.57E+08		0.279481	2.232423	0.026887	0.911633
cg041762							
54	chr16	67517429		-0.20052	-2.23041	0.027023	0.911633
cg051737							
37	chr14	62584005		0.120311	2.232337	0.026893	0.911633
cg142106							
94	chr2	1.91E+08	HIBCH	0.178435	2.238372	0.026489	0.909761
cg122830							
57	chr15	85625812		-0.15462	-2.23248	0.026883	0.911633
cg155639							
63	chr1	13910164		-0.22922	-2.23637	0.026623	0.910557
cg233190							
46	chr18	3247432		0.141757	2.227135	0.027245	0.912073
cg009127							
38	chr8	1103240	ARHGEF10	-0.34362	-2.236	0.026647	0.910557

cg249310							
92	chr19	34921884	CD22	-0.36922	-2.22933	0.027096	0.911633
cg017960							
44	chr16	30941664		0.262758	2.228249	0.027169	0.912073
cg212918							
81	chr7	8153369		0.209171	2.229069	0.027114	0.911665
cg233634							
64	chr11	94476388	CWC15	-0.23632	-2.23189	0.026923	0.911633
cg099896							
44	chr1	1.56E+08		0.224595	2.234346	0.026758	0.910785
cg086844							
73	chr19	54761090		-0.18705	-2.22951	0.027084	0.911633
cg075717							
34	chr7	1.51E+08		0.399711	2.229364	0.027094	0.911633
cg049296							
12	chr8	38512125		-0.39003	-2.22923	0.027103	0.911633
cg261355							
06	chr10	92617562		0.149569	2.231482	0.02695	0.911633
cg152822							
81	chr10	88024557		-0.28547	-2.22916	0.027107	0.911633

			RBM23;CDH24;E FS;ZFHX2;REM2; AJUBA;MMP14;E NSG0000015730 6;SLC22A17;ENS G00000228313;				
cg163416							
90	chr14	23291090	SLC7A7;DAD1	0.474719	2.240117	0.026373	0.909407
cg168873							
34	chr20	3052151		0.389833	2.23043	0.027021	0.911633
cg046542							
99	chr17	2308689		-0.43404	-2.23298	0.026849	0.911464
cg170149							
47	chr15	35529521		-0.25467	-2.23052	0.027015	0.911633
cg276559							
05	chr11	68038788		-0.183	-2.23464	0.026738	0.910785
cg049856							
52	chr20	18568437		-0.33609	-2.22984	0.027061	0.911633
cg062720							
89	chr15	74165916		0.311088	2.230835	0.026994	0.911633
cg024402							
79	chr17	61554400		0.157432	2.228041	0.027183	0.912073
cg084181							
38	chr1	2.47E+08		0.320879	2.230367	0.027026	0.911633



cg048153							
96	chr6	37226176	CMTR1	0.220811	2.234374	0.026756	0.910785
cg191806							
98	chr4	82471371		-0.27158	-2.2294	0.027091	0.911633
cg160448							
10	chr7	1.51E+08		0.22121	2.228364	0.027161	0.912073
cg118831							
61	chr10	99894664		0.16002	2.230081	0.027045	0.911633
cg226603							
70	chr8	64132778		0.351377	2.22992	0.027056	0.911633

			TACC1;GPR124;F GFR1;RAB11FIP1 ;RPS20P22;DDH				
cg228814							
35	chr8	37732086	D2	0.255872	2.231774	0.026931	0.911633

			N6AMT1;ENSGO				
cg120123							
56	chr21	30446241	0000232855	0.242431	2.232075	0.02691	0.911633
cg137787							
43	chr17	45787887	LRRC37A17P	0.248118	2.22866	0.027141	0.911815
cg007117							
11	chr7	1.38E+08		-0.19678	-2.22694	0.027259	0.912073
cg010579							
62	chr3	1.87E+08		-0.18323	-2.23308	0.026843	0.911383
cg128347							
30	chr2	2.34E+08	EFHD1	-0.25107	-2.22746	0.027223	0.912073
cg210322							
66	chr14	74186279		0.262181	2.227608	0.027213	0.912073
cg189294							
28	chr6	30568674		-0.24771	-2.23345	0.026818	0.911182

			PAFAH1B3;SPTB N4;CEACAM5;PR				
cg083983							
71	chr19	41814839	X;CEACAM6	0.181109	2.229973	0.027052	0.911633
cg206433							
62	chr19	30206369		-0.28175	-2.23035	0.027027	0.911633
cg135385							
17	chr7	1.58E+08		-0.26467	-2.23048	0.027018	0.911633
cg042482							
34	chr6	1.18E+08		0.346017	2.231257	0.026966	0.911633
cg273159							
79	chr19	17666193		-0.24662	-2.2318	0.026929	0.911633
cg045040							
06	chr6	75914030		-0.19103	-2.23611	0.026639	0.910557
cg245646							
03	chr7	1.58E+08		-0.33534	-2.23288	0.026856	0.911465

cg189111							
29	chr12	56470635	ERBB3;MMP19	-0.27971	-2.22883	0.02713	0.911815
cg228550							
21	chr14	81610812		-0.44108	-2.23603	0.026645	0.910557
cg244981							
80	chr1	47137226		0.34311	2.22754	0.027218	0.912073
cg148547							
18	chr1	11323027		-0.33003	-2.22908	0.027113	0.911665
cg055035							
32	chr6	8433377		0.41108	2.230781	0.026998	0.911633
cg130104							
97	chr9	38526947		0.332385	2.230313	0.027029	0.911633
cg269421							
66	chr15	35416837		-0.32571	-2.23431	0.02676	0.910785
cg045448							
58	chr5	67489737	PIK3R1	-0.29337	-2.23427	0.026762	0.910785
cg160248							
34	chr1	33646902		-0.1345	-2.234	0.026781	0.910785
cg075943							
41	chr4	24809415		-0.29371	-2.22599	0.027323	0.912073
cg036390							
21	chr5	1.81E+08		-0.30054	-2.23419	0.026768	0.910785
cg098461							
77	chr4	1.74E+08		0.215106	2.230529	0.027015	0.911633
cg063079							
13	chr4	81118794	ANTXR2	-0.48226	-2.22866	0.027141	0.911815
cg158796							
20	chr12	45032094		0.392089	2.230512	0.027016	0.911633
cg212866							
26	chr6	33290780	WDR46	-0.18181	-2.23613	0.026638	0.910557
cg217872							
06	chr12	1.22E+08		0.218128	2.231183	0.026971	0.911633
cg177802							
46	chr19	54481467		0.358824	2.229662	0.027073	0.911633
cg149763							
42	chr1	15255231		0.312775	2.229369	0.027093	0.911633
cg016347							
58	chr19	2136136		-0.32496	-2.22684	0.027265	0.912073
cg162162							
27	chr4	1.74E+08		0.325017	2.226998	0.027254	0.912073
cg030817							
43	chr16	1630880		-0.2513	-2.232	0.026916	0.911633
cg216077							
00	chr6	1.66E+08		-0.23365	-2.23312	0.02684	0.91136
cg047898							
18	chr16	49005567		-0.24306	-2.22822	0.027171	0.912073
cg122461							
56	chr17	64522604		-0.27001	-2.22973	0.027069	0.911633
cg063329							
64	chr22	47253846		-0.33122	-2.22779	0.027201	0.912073

cg097214							
27	chr10	94448702	0.314612	2.231781	0.02693	0.911633	
cg020833							
76	chr11	44120437	0.36821	2.230465	0.027019	0.911633	
cg162024							
70	chr17	8907213	0.265319	2.231518	0.026948	0.911633	
cg105024							
31	chr2	1.31E+08	0.158348	2.226823	0.027266	0.912073	
cg043033							
82	chr17	77766421	0.265672	2.229768	0.027066	0.911633	
cg018159							
21	chr17	15903739 TRPV2	-0.28322	-2.22863	0.027143	0.911815	
cg174900							
89	chr19	8398300	0.186531	2.235316	0.026693	0.910785	
cg161021							
02	chr5	83017553	-0.40743	-2.2268	0.027268	0.912073	
cg094517							
38	chr2	2.43E+08	0.370453	2.227376	0.027229	0.912073	
cg147447							
43	chr18	13871595 LDLRAD4	-0.27313	-2.22972	0.027069	0.911633	
cg178091							
81	chr7	1.58E+08	-0.19559	-2.22928	0.0271	0.911633	
cg077679							
63	chr17	41978060 RPL27	-0.17517	-2.22856	0.027148	0.911815	
cg235538							
67	chr18	74325812	-0.23139	-2.23097	0.026985	0.911633	
cg030179							
46	chr4	72897281	0.337309	2.233953	0.026784	0.910785	
cg238933							
32	chr14	94576048 SERPINA1;IFI27	0.281844	2.231425	0.026954	0.911633	
cg090591							
78	chr1	24742199	-0.23076	-2.23027	0.027032	0.911633	
cg201283							
19	chr2	97174815	0.28775	2.228624	0.027144	0.911815	
cg150562							
05	chr2	2.29E+08	0.271907	2.226013	0.027322	0.912073	
cg017533							
75	chr2	74607600 TACR1	-0.18126	-2.22945	0.027088	0.911633	
cg236912							
23	chr1	57785036	-0.39086	-2.22922	0.027103	0.911633	
cg236248							
91	chr6	30570123	-0.23119	-2.23116	0.026972	0.911633	
cg041347							
22	chr15	87436107 NTRK3	0.337334	2.230554	0.027013	0.911633	
cg076660							
35	chr16	21289818	-0.25839	-2.23152	0.026948	0.911633	
cg183105							
93	chr1	2.23E+08	-0.26822	-2.22939	0.027092	0.911633	
cg161322							
19	chr10	1.06E+08	-0.16989	-2.22666	0.027278	0.912073	

cg145172							
50	chr1	35450601		0.190286	2.234065	0.026776	0.910785
cg101956							
87	chr14	74926396		-0.21275	-2.22679	0.027268	0.912073
cg037992							
20	chr15	52860635		-0.32952	-2.23066	0.027006	0.911633
cg105032							
84	chr14	24021020		-0.17892	-2.22605	0.027319	0.912073
cg196312							
64	chr14	1.02E+08		-0.32909	-2.22989	0.027058	0.911633
cg227356							
01	chr4	13334645		-0.21526	-2.23006	0.027047	0.911633
cg003318							
45	chr10	1.35E+08		0.243727	2.233877	0.026789	0.910785
cg162400							
60	chr3	48956015		-0.19168	-2.22875	0.027136	0.911815
cg234734							
43	chr19	44905916		0.321417	2.228823	0.02713	0.911815
cg089031							
81	chr12	89018232		-0.38194	-2.2249	0.027398	0.912253
cg146964							
58	chr1	91185157		0.39323	2.228308	0.027165	0.912073
cg053137							
94	chr2	1845466		0.360863	2.229625	0.027076	0.911633

cg243083			KIAA1755;VSTM				
36	chr20	37270989	2L;RPRD1B	-0.23788	-2.2346	0.026741	0.910785
cg248032							
02	chr11	64658903		-0.17925	-2.22877	0.027134	0.911815
cg161237							
60	chr8	1.28E+08		0.211725	2.232863	0.026857	0.911465
cg271378			ENSG000002412				
36	chr3	1.26E+08	88	-0.23634	-2.22535	0.027367	0.912073
cg021429							
26	chr6	1.35E+08	TCF21;SLC2A12	-0.3642	-2.2274	0.027227	0.912073
cg186903							
95	chr10	53459536		-0.25022	-2.22757	0.027215	0.912073
cg176953							
51	chr2	26467313		-0.17227	-2.22677	0.02727	0.912073
cg145021							
72	chr10	5454184		-0.2967	-2.22581	0.027335	0.912073
cg187492							
73	chr15	68569993		-0.19502	-2.22996	0.027053	0.911633
cg177969							
82	chr8	1.43E+08		-0.30879	-2.22954	0.027081	0.911633

			ENSG000002645				
			27;RNF224;TUBB				
			4B;UBAC1;INPP5				
			E;SLC34A3;EGFL				
			7;C9orf163;UAP				
			1L1;SNHG7;PTG				
			DS;GPSM1;NOTC				
			H1;CAMSAP1;LC				
cg143777			NL1;FAM166A;				
39	chr9	1.4E+08	MAN1B1;TRAF2	0.43231	2.229146	0.027108	0.911633
cg125086							
93	chr11	27657625		0.468757	2.226711	0.027274	0.912073
cg097896							
36	chr1	2.48E+08		0.267105	2.225528	0.027355	0.912073
cg221449							
42	chr15	89151201		-0.25162	-2.22788	0.027195	0.912073
cg185188							
04	chr14	91275103		-0.24016	-2.22822	0.027171	0.912073
cg186313							
76	chr17	81052836		0.291266	2.227124	0.027246	0.912073
cg152415							
01	chr10	33294750		0.350453	2.226331	0.0273	0.912073
cg191315							
41	chr10	33608914		-0.21937	-2.22473	0.02741	0.91245
cg175365							
86	chr10	25249166		-0.47214	-2.22771	0.027206	0.912073
cg164707							
16	chr6	28956719	HCG14	0.458581	2.225741	0.02734	0.912073
cg069401							
68	chr17	64370665		0.246668	2.228627	0.027144	0.911815
cg247525							
82	chr18	77675387		0.236569	2.228135	0.027177	0.912073
cg213659							
14	chr17	77813616		0.137901	2.229878	0.027059	0.911633
cg181927							
19	chr2	24712657		0.271404	2.228594	0.027146	0.911815
cg056122							
79	chr12	52241471		0.218197	2.225049	0.027388	0.912253
cg037242							
60	chr17	7387800		-0.2522	-2.22742	0.027225	0.912073

			NXPH3;COL1A1; HOXB4;HOXB3;C ALCOCO2;HOXB-				
cg173690							
32	chr17	47590326	AS2	-0.3392	-2.2292	0.027105	0.911633
cg248755							
95	chr2	79363761		-0.36554	-2.2294	0.027091	0.911633
cg022379							
06	chr17	72667743		0.313134	2.225258	0.027373	0.912073
cg237651							
70	chr17	57287718		0.271532	2.231315	0.026962	0.911633
cg067081							
98	chr5	1244729		-0.28758	-2.22468	0.027413	0.91245
cg008217							
64	chr3	1.24E+08		-0.23495	-2.22556	0.027353	0.912073
cg240591							
19	chr19	30715575		0.261216	2.227085	0.027248	0.912073
cg187831							
60	chr5	78100628		0.233673	2.22741	0.027226	0.912073
cg003394							
30	chr4	1.86E+08		0.273276	2.229761	0.027067	0.911633
cg036273							
50	chr10	1.35E+08		-0.31025	-2.22618	0.02731	0.912073
cg164506							
54	chr2	95978173		-0.29621	-2.22347	0.027496	0.912643
cg253607							
47	chr7	32529948		-0.22643	-2.22423	0.027444	0.91245
cg223193							
11	chr8	98290310	TSPYL5	0.273367	2.226473	0.02729	0.912073
cg134053							
81	chr4	6024875		-0.24481	-2.22541	0.027363	0.912073
ch.16.502							
03861R	chr16	51646360		0.325869	2.228125	0.027178	0.912073
cg229871							
88	chr3	1.02E+08	ZNF90P1	0.318978	2.231552	0.026946	0.911633
cg023998							
31	chr3	1.12E+08		0.343246	2.225619	0.027349	0.912073
cg261554							
75	chr1	25072216		-0.13329	-2.22446	0.027428	0.91245
cg158500							
63	chr9	68411051		0.176296	2.230104	0.027043	0.911633
cg253322							
65	chr18	77194663		-0.26504	-2.23185	0.026925	0.911633
cg232505							
74	chr6	28661310	HCG14	0.367824	2.225877	0.027331	0.912073
cg198985							
26	chr1	1275714		-0.27514	-2.22462	0.027417	0.91245
cg093099			ADAM33;CDC25				
50	chr20	3640545	B	-0.24105	-2.22557	0.027352	0.912073

cg075581							
31	chr16	22929420	DCTN5	-0.39754	-2.2279	0.027193	0.912073
cg047780							
12	chr7	99775508		0.356078	2.224487	0.027426	0.91245
cg001811							
25	chr12	22095182		0.375273	2.228092	0.02718	0.912073
cg056074							
61	chr2	1.92E+08		0.296221	2.229577	0.027079	0.911633
cg233785							
65	chr7	2036160		-0.24695	-2.22552	0.027355	0.912073
cg206989							
24	chr15	28344730		0.297269	2.225022	0.027389	0.912253
cg007294							
75	chr16	19533549		-0.22365	-2.223	0.027528	0.912681
cg140861							
60	chr1	1.6E+08		-0.16402	-2.2295	0.027085	0.911633
cg153982							
55	chr12	63195954		-0.30672	-2.22835	0.027162	0.912073
cg096206			SLC25A45;FERM				
88	chr11	64973088	T3	0.191074	2.2241	0.027453	0.912479
cg150804							
30	chr6	70876494		-0.38839	-2.22298	0.02753	0.912681
cg207107							
77	chr5	1.1E+08		-0.31519	-2.226	0.027323	0.912073
cg092391							
44	chr11	1.24E+08		0.176986	2.225332	0.027368	0.912073
cg107751							
95	chr14	77292399		-0.29375	-2.22541	0.027363	0.912073
cg071996							
19	chr13	78272885		-0.27157	-2.22748	0.027222	0.912073
cg120327							
13	chr8	1.06E+08		-0.28246	-2.22739	0.027228	0.912073
cg006592							
71	chr2	1.14E+08	PSD4	0.305107	2.224947	0.027395	0.912253
cg130438							
62	chr8	72274598		-0.39226	-2.22954	0.027082	0.911633
cg027898							
70	chr8	1681514		0.267646	2.224333	0.027437	0.91245
cg232292							
24	chr2	7561260		0.346216	2.223673	0.027482	0.912569
cg059382							
67	chr16	77228897		0.276971	2.222118	0.027589	0.912792
cg255616							
39	chr5	1.17E+08		0.459462	2.22777	0.027202	0.912073
cg183409							
83	chr11	72941691		-0.20588	-2.22709	0.027248	0.912073
cg154275							
67	chr14	21458055		-0.21915	-2.22598	0.027324	0.912073

cg010563						
50	chr1	2.11E+08		0.150797	2.227752	0.027203 0.912073
cg160902						
73	chr5	1.5E+08		0.135966	2.223187	0.027515 0.912681
cg078223						
05	chr1	1.17E+08		-0.1376	-2.2239	0.027466 0.912479
cg098056						
82	chr1	38455681		0.153741	2.225977	0.027324 0.912073
cg108553						
95	chr12	1.25E+08		0.324487	2.22349	0.027494 0.912643
cg044593						
60	chr6	1.7E+08		-0.33587	-2.22309	0.027522 0.912681
cg259639						
80	chr11	35442225		0.27342	2.22618	0.02731 0.912073
cg107364						
54	chr19	7739455		0.355326	2.224319	0.027438 0.91245
cg141323						
64	chr9	1.39E+08		-0.26797	-2.22386	0.027469 0.912479
cg000616						
29	chr11	44325258		0.298221	2.22546	0.027359 0.912073
cg238307						
80	chr10	37106964		-0.31577	-2.22496	0.027394 0.912253
cg044524						
37	chr6	1.7E+08 THBS2;PHF10		0.42991	2.222522	0.027561 0.912792
cg100677						
43	chr6	99873275		-0.27299	-2.22609	0.027316 0.912073
cg120749						
85	chr10	99080756		0.220262	2.230076	0.027045 0.911633
cg218938						
46	chr5	36152130		-0.17851	-2.23278	0.026863 0.911552
cg006194						
97	chr13	48878736		0.244025	2.229973	0.027052 0.911633
cg082862						
18	chr13	1.15E+08		-0.1838	-2.22432	0.027438 0.91245
cg099548			METAP1;DAPP1;			
20	chr4	1E+08 ADH7;EMCN		-0.39735	-2.23373	0.026799 0.910785
cg132733						
40	chr11	62690717		0.235444	2.22687	0.027263 0.912073
cg157420						
60	chr7	45849612		-0.15288	-2.22429	0.02744 0.91245
cg174470						
14	chr15	52821424		0.159494	2.226211	0.027308 0.912073
cg000663						
60	chr17	1374650		-0.27021	-2.22456	0.027421 0.91245
cg114665						
04	chr5	1.8E+08		0.249974	2.221711	0.027617 0.912792
cg202250						
41	chr19	11545949		-0.21632	-2.22866	0.027141 0.911815



cg113325						
05	chr1	3294322	-0.2155	-2.22785	0.027196	0.912073
cg067289						
70	chr21	39037746	ERG	-0.38835	-2.22387	0.027468
cg077468						
82	chr10	49866792		-0.29429	-2.22798	0.027187
cg017443						
54	chr2	27712243		0.31959	2.225329	0.027368
cg228071						
87	chr15	25474743		-0.15022	-2.22722	0.027239
cg183389						
25	chr6	1.06E+08		0.325564	2.223401	0.027501
cg118726						
72	chr7	1.58E+08		-0.25606	-2.22327	0.027509
cg013276						
02	chr19	55952038	ZNF582	0.367988	2.22359	0.027488
cg004340						
10	chr6	1.01E+08		0.284701	2.222328	0.027574
cg127603						
68	chr2	2.43E+08		-0.31238	-2.22779	0.027201
cg178572						
41	chr22	19016820		0.322791	2.225151	0.027381
cg060806						
88	chr4	1.44E+08		-0.23467	-2.22638	0.027297
cg033865						
09	chr8	27845994		-0.26043	-2.2228	0.027542
cg219877						
85	chr19	36019198		-0.26163	-2.22655	0.027285
cg103877						
61	chr17	42856823		0.249018	2.225706	0.027343
cg222314						
24	chr3	25513799		-0.32836	-2.22657	0.027284
cg042659						
64	chr11	1.22E+08		-0.40945	-2.22178	0.027612
cg115895						
20	chr17	14200790		0.24256	2.221926	0.027602
cg095763						
19	chr17	48544724		-0.23866	-2.21999	0.027736
cg111830						
36	chr6	37070600		-0.18881	-2.22042	0.027706
cg049738						
02	chr16	6696189		0.40065	2.223178	0.027516
cg245435						
74	chr10	76789311		0.221609	2.228061	0.027182
cg165483						
48	chr22	19842481		-0.12911	-2.2265	0.027288
cg061202						
35	chr8	29211949		-0.2931	-2.22957	0.02708
cg053240						
14	chr15	93975794		0.285197	2.228761	0.027135

cg114162							
90	chr4	1.12E+08		0.295986	2.230075	0.027045	0.911633
cg267257							
86	chr8	27352103 DPYSL2		-0.23151	-2.22122	0.02765	0.912792
cg010238							
27	chr8	1.44E+08		0.227103	2.225084	0.027385	0.912253
cg228133							
26	chr14	74876300		-0.2779	-2.22368	0.027481	0.912569
cg117997		ENSG000002553					
35	chr11	75111455 26		0.252188	2.226613	0.027281	0.912073
cg002606							
47	chr6	30524003		-0.19871	-2.22721	0.02724	0.912073
cg014448							
49	chr16	34430837		0.34877	2.222517	0.027561	0.912792
cg254161							
25	chr12	56329615 IKZF4		0.25122	2.224904	0.027397	0.912253
cg013480							
86	chr5	1.77E+08 FGFR4;GRK6		-0.29391	-2.22431	0.027438	0.91245
cg146159							
46	chr17	74466087		-0.15081	-2.22207	0.027592	0.912792
cg059049							
66	chr5	7851031		0.582343	2.22232	0.027575	0.912792
cg228331							
47	chr4	1.78E+08		-0.19751	-2.22422	0.027444	0.91245
cg181416							
22	chr2	2.39E+08		-0.37051	-2.22648	0.02729	0.912073
cg214896							
22	chr6	1.43E+08		-0.28372	-2.22688	0.027263	0.912073
cg244408							
27	chr11	18478135		0.281467	2.224048	0.027456	0.912479
cg050093							
94	chr11	82611593		0.209671	2.223108	0.027521	0.912681
cg097620							
54	chr17	31147683		-0.37423	-2.22241	0.027569	0.912792
cg233017							
40	chr4	1.9E+08		0.325936	2.225772	0.027338	0.912073
cg080652							
29	chr19	16606621		0.356959	2.225695	0.027343	0.912073
cg114274							
63	chr19	579361		-0.34856	-2.22249	0.027563	0.912792
cg230684							
76	chr12	2613703		-0.32349	-2.22065	0.02769	0.912792
cg192139							
55	chr17	72427108 CD300LF		0.235094	2.224018	0.027458	0.912479
cg087325							
94	chr17	78582389		0.283765	2.221019	0.027665	0.912792
cg052301							
76	chr6	52694054		-0.18293	-2.22668	0.027276	0.912073
cg007408							
61	chr6	35772794		-0.2413	-2.22095	0.02767	0.912792

cg021361							
32	chr14	90527891		0.290825	2.224649	0.027415	0.91245
cg198112			ATP1A2;USF1;PV				
53	chr1	1.6E+08	RL4	0.255023	2.223146	0.027518	0.912681
cg006226							
55	chr21	37667639		-0.24776	-2.22526	0.027373	0.912073
cg250108							
32	chr5	1.79E+08	ADAMTS2	-0.30676	-2.22346	0.027496	0.912643
cg232117							
03	chr1	44071073		0.201435	2.224067	0.027455	0.912479
cg214804							
64	chr17	17457767		-0.34957	-2.22955	0.027081	0.911633
cg027394							
37	chr4	1.68E+08		-0.27571	-2.22395	0.027463	0.912479
cg072558			SLC9A3;ENSG00				
41	chr5	531305	000188242	0.334665	2.222754	0.027545	0.912792
cg248257							
67	chr10	18453319		-0.32515	-2.22797	0.027188	0.912073
cg259973							
06	chr2	1.33E+08		0.456873	2.220381	0.027709	0.912792
cg275897			COTL1;ENSG000				
42	chr16	85296503	00261471	-0.3243	-2.22627	0.027304	0.912073
cg143998							
63	chr9	707166		0.282182	2.222937	0.027532	0.912681
cg260484							
48	chr1	1.98E+08		0.339236	2.226865	0.027263	0.912073
cg015726							
94	chr17	46657555		0.309099	2.219658	0.027759	0.912792
cg002356							
45	chr15	40886408		0.165456	2.222372	0.027571	0.912792
cg119546							
80	chr5	1.4E+08		0.272819	2.220209	0.027721	0.912792
cg104754							
77	chr22	42196676	WBP2NL	-0.22941	-2.22494	0.027395	0.912253
cg016568			LRP2;ABCB11;SP				
37	chr2	1.69E+08	C25;NOSTRIN	0.399378	2.231272	0.026965	0.911633
cg182977							
05	chr11	1994927		-0.17891	-2.2199	0.027742	0.912792
cg055778							
10	chr2	79220510		0.339741	2.220861	0.027676	0.912792
cg066353							
43	chr12	1.31E+08		0.298315	2.223031	0.027526	0.912681
cg017923							
68	chr6	1.31E+08		-0.19195	-2.22367	0.027482	0.912569

cg073942							
66	chr9	71155970		0.454012	2.224511	0.027424	0.91245
cg271802							
86	chr16	57768853		-0.32872	-2.22548	0.027358	0.912073
cg204348							
56	chr5	16713588		0.343014	2.231369	0.026958	0.911633
ch.10.254							
5310R	chr10	1.21E+08		-0.47219	-2.22743	0.027225	0.912073
cg129146							
89	chr14	64108752		-0.18529	-2.22125	0.027648	0.912792
cg181556							
32	chr10	18947959		0.203823	2.223388	0.027501	0.912643
cg039332							
79	chr12	12849136		0.39181	2.2239	0.027466	0.912479
cg258330							
01	chr8	1692726		-0.2213	-2.21855	0.027835	0.912792

			BTNL2;HLA- C;GPSM3;NEU1; ENSG000002259				
cg005236							
04	chr6	32223341	14	-0.35504	-2.22632	0.027301	0.912073
cg197387							
74	chr11	68778850		0.186876	2.221923	0.027602	0.912792

			SCN11A;DLEC1; OXSR1;MYD88;E				
cg015345							
27	chr3	38003247	XOG	0.444713	2.226438	0.027293	0.912073
cg010135							
90	chr2	1.2E+08		0.373272	2.219478	0.027771	0.912792
cg076287							
71	chr7	4383660		0.306366	2.222367	0.027572	0.912792
cg267190							
24	chr10	1.05E+08		0.212878	2.226668	0.027277	0.912073
cg021747							
48	chr14	1.02E+08		-0.23674	-2.2177	0.027895	0.912792
cg141891							
41	chr9	1042605		0.490863	2.22065	0.02769	0.912792
cg171116							
69	chr20	44718800		-0.20562	-2.22174	0.027615	0.912792
cg265105							
00	chr2	74778482		-0.18888	-2.22121	0.027651	0.912792
cg063344							
84	chr7	35948145		0.214245	2.218579	0.027834	0.912792
cg065420							
22	chr7	1.55E+08		0.248627	2.221691	0.027618	0.912792
cg227585							
04	chr8	78533131		-0.29034	-2.22151	0.027631	0.912792

cg161136			DDR1;TNXB;SLC4				
61	chr6	31857007	4A4;CLIC1;BAG6;	-0.34639	-2.22588	0.027331	0.912073
			NOTCH4;PSMB8;				
			FKBPL;NELFE;DD				
			AH2;ATF6B				

cg096609			ENSG000002536				
70	chr8	74005022	36;SBSPON;RDH	0.272235	2.220764	0.027682	0.912792
cg056174			10;ENSG000002				
69	chr13	1.01E+08	53339;ENSG000	0.256353	2.222006	0.027597	0.912792
cg183458			00237061;TERF1				
44	chr7	1.4E+08		-0.31139	-2.22571	0.027342	0.912073

cg239688			WHSC1;ENSG00				
31	chr4	1617118	000248399;ENS	-0.23084	-2.22002	0.027734	0.912792
cg243570			G00000206113;				
26	chr19	36705589	ENSG000002494	-0.38074	-2.21714	0.027933	0.912792
cg050782			28;PDE6B	0.180758	2.224302	0.027439	0.91245
38	chr2	2.42E+08		0.212497	2.225434	0.027361	0.912073
cg103840				0.228583	2.222141	0.027587	0.912792
64	chr14	95156065		0.750791	2.219128	0.027795	0.912792
cg094150				0.298698	2.223825	0.027471	0.912499
57	chr12	53835296		0.286901	2.220954	0.027669	0.912792
cg079647				0.195605	2.220671	0.027689	0.912792
54	chr16	84650202		-0.20401	-2.22336	0.027504	0.912643
cg112702				0.350036	2.224408	0.027431	0.91245
37	chr19	36449803					
cg151231							
04	chr2	1.31E+08					
cg076680							
52	chr17	7745072					
cg152563							
05	chr17	36734942					
cg148961							
57	chr3	5137549					

cg052385							
30	chr19	1096021		-0.38311	-2.22122	0.027651	0.912792
cg124897							
36	chr17	47307544		0.20974	2.224262	0.027441	0.91245
cg027325							
08	chr16	89628853		0.323592	2.219464	0.027772	0.912792
cg132973							
98	chr22	37156309		-0.21084	-2.22189	0.027604	0.912792
cg073283							
17	chr4	1.74E+08		0.232489	2.220666	0.027689	0.912792
cg121481							
29	chr2	1.78E+08		0.38837	2.221575	0.027626	0.912792

cg192041			SYCP2L;NEDD9;C				
31	chr6	10385320	6orf52;MAK	0.353866	2.226618	0.02728	0.912073
cg155768							
69	chr7	50450374		0.32886	2.217036	0.027941	0.912792
cg257320							
28	chr17	46619313	HOXB3	0.38351	2.217673	0.027896	0.912792
cg134320							
10	chr1	11107886		0.268177	2.223326	0.027506	0.912643
cg266398							
09	chr19	33781782		-0.22275	-2.22005	0.027732	0.912792

			GIPC3;PTPRS;TJP				
			3;TBXA2R;DAPK3				
			;SEMA6B;PIP5K1				
cg213474							
12	chr19	4339217	C;APBA3	-0.37829	-2.21944	0.027774	0.912792
cg216551							
71	chr7	1097952		-0.46399	-2.23624	0.026631	0.910557
cg164120							
82	chr10	1.15E+08		-0.25542	-2.22555	0.027353	0.912073
cg175084							
62	chr5	1.81E+08		-0.33248	-2.21863	0.02783	0.912792
cg227299							
10	chr7	44084282		-0.23166	-2.21625	0.027995	0.912989
cg120396							
60	chr17	8955687		-0.27101	-2.22149	0.027632	0.912792
cg021541							
86	chr8	26371353		0.340011	2.217792	0.027888	0.912792
cg105830							
00	chr2	98963134		0.213333	2.220191	0.027722	0.912792
cg012397							
04	chr7	1.58E+08		-0.27658	-2.22118	0.027654	0.912792
cg117006							
30	chr17	73855804	HN1	-0.27813	-2.21693	0.027948	0.912792

cg107640							
68	chr7	27289829		0.19163	2.217262	0.027925	0.912792
cg248463							
73	chr1	84461082		-0.29147	-2.22163	0.027622	0.912792
cg143215							
39	chr8	53326384		0.303468	2.224082	0.027454	0.912479
cg022648							
62	chr5	1.54E+08		-0.27861	-2.22098	0.027668	0.912792
cg166990							
74	chr19	42192347		0.281957	2.217411	0.027915	0.912792
cg125739							
35	chr2	1.53E+08		0.277489	2.217805	0.027887	0.912792
cg017150			PRKAB2;PDE4DI				
25	chr1	1.46E+08	P	-0.39932	-2.22252	0.027561	0.912792
cg006678							
41	chr4	3308884		0.376968	2.217831	0.027885	0.912792
cg007508							
80	chr17	75681168		-0.34593	-2.22029	0.027715	0.912792
cg199124							
70	chr1	43253575		-0.18857	-2.22034	0.027712	0.912792
cg154845							
32	chr1	4714171		0.339905	2.21894	0.027808	0.912792
cg209857							
55	chr3	24536474		0.306672	2.220578	0.027695	0.912792
cg082947							
50	chr19	3970736		-0.29264	-2.22115	0.027656	0.912792
cg008490							
25	chr11	58170461		-0.29742	-2.22122	0.027651	0.912792
cg151773							
15	chr10	1.02E+08		-0.12403	-2.22034	0.027711	0.912792
cg050895							
27	chr2	594509		-0.27566	-2.22268	0.02755	0.912792
cg034004							
91	chr11	47470887		0.218414	2.222943	0.027532	0.912681
cg140299							
03	chr8	1.46E+08		0.324024	2.221676	0.027619	0.912792
cg160301							
19	chr17	46663394		0.259854	2.220121	0.027727	0.912792
cg088262							
51	chr14	58332909		0.43372	2.222601	0.027556	0.912792
ch.8.2635							
7406F	chr8	26301489		-0.28955	-2.22549	0.027358	0.912073
cg150707							
09	chr1	11579475		-0.2885	-2.22363	0.027485	0.912584
cg130546							
13	chr3	7742036		-0.34042	-2.21942	0.027775	0.912792
cg111656			ENSG000002334				
26	chr10	21786221	51	-0.17345	-2.21883	0.027816	0.912792
cg036349							
47	chr20	33547679		0.285348	2.217501	0.027908	0.912792

cg011589						
37	chr10	1.01E+08	LINC00263	-0.21411	-2.22702	0.027253 0.912073
cg222423						
45	chr17	81011013		-0.27069	-2.21839	0.027846 0.912792
cg145743						
69	chr12	57483631	RPL41	-0.23331	-2.21917	0.027793 0.912792
cg177261						
05	chr11	1.22E+08		0.425498	2.217516	0.027907 0.912792
cg159143						
16	chr7	2083197		0.29445	2.218028	0.027872 0.912792
cg034257						
85	chr20	62221387		-0.67017	-2.21948	0.027771 0.912792
cg178523						
85	chr15	75019188		0.294798	2.220136	0.027726 0.912792
cg201367						
38	chr1	2.31E+08		-0.1863	-2.21678	0.027959 0.912935
cg201244						
09	chr22	42980637		0.215006	2.223779	0.027475 0.912532
cg126727						
13	chr8	30889709	RBPM5	-0.27086	-2.21797	0.027876 0.912792
cg071157						
61	chr16	396494		-0.3027	-2.22094	0.02767 0.912792
cg056550						
11	chr1	29189486		0.769238	2.216799	0.027957 0.912935
cg072605						
92	chr6	1.61E+08		-0.32728	-2.21841	0.027845 0.912792
cg267949						
38	chr8	27549068		0.354956	2.222723	0.027547 0.912792
cg007408						
03	chr4	1.13E+08		0.221279	2.216933	0.027948 0.912792
cg170828						
03	chr2	71127573		-0.23524	-2.21846	0.027842 0.912792
cg018509						
34	chr14	68141664		-0.14661	-2.22466	0.027414 0.91245
cg046075						
21	chr4	3231885		0.220577	2.220981	0.027667 0.912792
cg226185						
56	chr12	1.33E+08		-0.26316	-2.2162	0.027999 0.912989
cg068073						
97	chr13	44948413		0.285958	2.218911	0.02781 0.912792
cg132530			ARL3;C10orf32;C			
55	chr10	1.05E+08	ALHM2	0.328068	2.218196	0.02786 0.912792
cg088006						
13	chr2	1595498		0.482589	2.223349	0.027504 0.912643
cg066628						
12	chr2	1.09E+08		0.304027	2.216187	0.028 0.912989
cg231634						
71	chr10	30024328		-0.19187	-2.22103	0.027664 0.912792



cg175563							
89	chr6	33154621		-0.217	-2.21842	0.027844	0.912792
cg033849							
92	chr18	21852325		0.255984	2.217394	0.027916	0.912792
cg049010							
44	chr9	1.34E+08		-0.23488	-2.21593	0.028018	0.912989
cg146114							
02	chr6	1.18E+08		0.236172	2.216813	0.027956	0.912935
cg022577							
12	chr5	1.5E+08 RPS14		0.184311	2.218322	0.027851	0.912792
cg178728							
38	chr13	52607339		-0.31467	-2.2203	0.027714	0.912792
cg025451		ENSG000002326					
92	chr5	1294729 15		0.249128	2.220426	0.027706	0.912792
cg131261							
21	chr8	8085946 ALG1L13P		-0.3308	-2.21453	0.028116	0.913188
cg078690							
23	chr20	17212376 MGME1		-0.40197	-2.22066	0.027689	0.912792
cg005516							
79	chr16	86547530		0.31368	2.219385	0.027778	0.912792
cg028658							
32	chr17	77083140		-0.24909	-2.22157	0.027626	0.912792
cg270582							
57	chr19	30019529		0.162634	2.220086	0.027729	0.912792
cg060908							
95	chr8	26980438		0.293274	2.21614	0.028003	0.912989
cg019144							
55	chr7	77649564		0.203832	2.221346	0.027642	0.912792
cg248455							
78	chr5	95170808		0.191603	2.219643	0.02776	0.912792
cg007656							
55	chr1	6304199		0.308061	2.216961	0.027946	0.912792
cg109860							
50	chr10	27704762		-0.22982	-2.21565	0.028038	0.913135
cg102324							
70	chr17	78010010		-0.14706	-2.21702	0.027942	0.912792
cg033635							
67	chr17	57642929		-0.18394	-2.21837	0.027848	0.912792
cg095675							
96	chr8	87684002		-0.25746	-2.21765	0.027898	0.912792
cg024080							
09	chr15	28422194		-0.28296	-2.22234	0.027574	0.912792
cg233111							
95	chr19	1434935		0.276798	2.216025	0.028011	0.912989
cg215212							
50	chr18	43753889		0.149072	2.218533	0.027837	0.912792
cg105656							
45	chr18	33234532		0.420024	2.22052	0.027699	0.912792
cg083951							
22	chr5	1.41E+08		0.248035	2.214908	0.028089	0.913153

cg014667							
41	chr5	1.35E+08		-0.26847	-2.21766	0.027898	0.912792
cg001887							
04	chr7	27140797	HOXA1	0.354672	2.217209	0.027929	0.912792
cg031927							
75	chr13	27335151		0.289091	2.21857	0.027834	0.912792
cg166766							
55	chr6	33383412		-0.16193	-2.21822	0.027859	0.912792
cg272368							
75	chr2	2.13E+08		-0.24654	-2.22526	0.027373	0.912073
cg139337							
34	chr1	1.2E+08		0.282724	2.215504	0.028048	0.913135
cg248112							
90	chr4	1.59E+08		-0.33199	-2.21983	0.027747	0.912792
cg194387							
50	chr15	91768905	BLM;PRC1	-0.33491	-2.21924	0.027788	0.912792
cg198961							
09	chr1	1.11E+08		0.1834	2.217233	0.027927	0.912792
cg139756							
25	chr4	1.64E+08		-0.35207	-2.21826	0.027856	0.912792
cg054279			ZHX2;ENSG0000				
07	chr8	1.24E+08	0254000	-0.26819	-2.2176	0.027902	0.912792
cg031479							
90	chr19	37701738		0.286275	2.219687	0.027757	0.912792
cg256848							
44	chr2	2.39E+08		-0.16215	-2.21869	0.027826	0.912792
cg149023							
56	chr20	10015648		0.166602	2.219779	0.02775	0.912792
cg029652			ENSG000002641				
90	chr17	38108850	98	-0.23583	-2.21631	0.027991	0.912989
cg247564							
35	chr2	1.31E+08		0.315939	2.218443	0.027843	0.912792
cg237171							
86	chr1	2.27E+08	ITPKB-IT1	0.333483	2.215727	0.028032	0.913135
cg185187			TUBA3FP;ENSG0				
22	chr22	20786717	0000187905;P2	0.195147	2.216508	0.027978	0.912989
cg115085							
28	chr2	1.29E+08	AMMECR1L	0.349036	2.216346	0.027989	0.912989
cg105940							
90	chr19	46800198		0.216419	2.220816	0.027679	0.912792
cg073352							
48	chr11	18096120		-0.17494	-2.21792	0.027879	0.912792
cg057229							
31	chr5	1.69E+08	SLIT3	-0.28887	-2.21929	0.027784	0.912792
cg164823							
14	chr8	77596069		0.322368	2.220073	0.02773	0.912792

cg041511							
46	chr19	16144499	NWD1	-0.21454	-2.21555	0.028044	0.913135
cg084145							
70	chr9	19788757		0.329733	2.215049	0.028079	0.913153

			SLC9A3;ENSG0000188242;CEP7				
cg162392							
16	chr5	532991	2	0.299771	2.217289	0.027923	0.912792
cg025547							
12	chr2	2.39E+08		0.218147	2.215496	0.028048	0.913135
cg169100							
42	chr7	1.58E+08		-0.39067	-2.21981	0.027748	0.912792
cg227937							
35	chr3	1.46E+08		-0.45642	-2.21737	0.027917	0.912792
cg184256							
51	chr15	42700579		-0.21812	-2.2156	0.028041	0.913135
cg087649							
25	chr11	1324576	MRPL23;LRRC56	0.303681	2.218649	0.027829	0.912792
cg038265							
94	chr12	54812085		-0.24614	-2.21391	0.028159	0.913221
cg118130							
09	chr15	44732685		-0.37773	-2.21933	0.027781	0.912792
cg025898							
28	chr5	1.34E+08		0.359512	2.219641	0.02776	0.912792
cg199055							
04	chr2	2.42E+08		-0.25827	-2.21479	0.028098	0.913188
cg060578							
85	chr20	18774235		-0.25277	-2.22001	0.027735	0.912792
cg169088							
60	chr3	1.95E+08		0.321834	2.221882	0.027605	0.912792

			RNASET2;ENSG0000231720;ENSG00000197146;PRR18;ENSG000				
cg252850							
53	chr6	1.68E+08	00228648	-0.37787	-2.21403	0.028151	0.913221
cg089920							
50	chr12	44152940		0.22351	2.228882	0.027126	0.911815
cg042099							
71	chr14	94546988		-0.17284	-2.21981	0.027748	0.912792
cg154924							
66	chr1	8484169		-0.13394	-2.21758	0.027903	0.912792
cg117815							
64	chr5	73016764		-0.33583	-2.21635	0.027989	0.912989
cg097089							
59	chr6	33161107		0.22209	2.221093	0.027659	0.912792

cg065220							
63	chr2	1.9E+08		0.230476	2.217503	0.027908	0.912792
cg236193							
99	chr13	79169753		0.361261	2.21561	0.02804	0.913135
cg174442							
98	chr5	211954		0.205539	2.217113	0.027935	0.912792
cg042268							
15	chr1	1.55E+08		0.14646	2.219841	0.027746	0.912792
cg226794							
12	chr15	64674723		0.345434	2.215106	0.028075	0.913153
cg000292							
82	chr2	95941820 PROM2		-0.48348	-2.21555	0.028045	0.913135
cg154681							
29	chr17	7690159		-0.38036	-2.2183	0.027853	0.912792
cg183721							
41	chr5	10104138		-0.37011	-2.21438	0.028126	0.913221
cg238746							
11	chr19	667454		-0.29804	-2.21719	0.02793	0.912792
cg115209							
85	chr6	7313314		-0.35847	-2.21528	0.028063	0.913153
cg075468							
78	chr2	61245462		-0.22219	-2.21502	0.028081	0.913153
cg010489			ENSG000002684				
62	chr19	21646470 16;ZNF429		0.386917	2.214921	0.028088	0.913153
cg097530							
13	chr13	34185311		0.409736	2.214167	0.028141	0.913221
cg145891							
48	chr11	27743648		0.210713	2.220618	0.027692	0.912792
cg012787							
97	chr16	2339405		-0.20136	-2.21855	0.027835	0.912792
cg193948							
66	chr3	54121271		0.191769	2.22193	0.027602	0.912792
cg051300							
81	chr7	1.58E+08		-0.47397	-2.21422	0.028138	0.913221
cg006378							
02	chr12	1.14E+08		0.155137	2.214221	0.028137	0.913221
cg221388							
22	chr12	1.33E+08		-0.23511	-2.21584	0.028024	0.913111
cg097208							
53	chr17	10476818		-0.29754	-2.21759	0.027902	0.912792
cg067553							
65	chr1	95538786 ABCA4		-0.18858	-2.21975	0.027752	0.912792
cg250645							
51	chr4	41979629		-0.2701	-2.21494	0.028087	0.913153
cg092430							
21	chr7	1.43E+08 ZYX		0.262386	2.217659	0.027897	0.912792
cg069340							
23	chr16	587828		-0.23622	-2.21596	0.028016	0.912989

cg233727							
95	chr6	39284679		-0.26064	-2.21308	0.028218	0.913356
cg081026							
58	chr17	79283123		-0.16158	-2.21793	0.027879	0.912792
cg040800							
57	chr19	54495183 ZNF677		0.23822	2.217596	0.027902	0.912792
cg135984							
80	chr20	3145356		0.585571	2.222905	0.027535	0.912682
cg266881							
91	chr16	1374916		-0.2716	-2.21723	0.027927	0.912792
cg097843		ENSG000002720					
47	chr3	1.59E+08 87		0.405682	2.216513	0.027977	0.912989
cg041684							
94	chr11	1.23E+08 ATP5F1P5		-0.36902	-2.21498	0.028084	0.913153
cg138617							
58	chr9	1.38E+08		-0.2742	-2.21637	0.027987	0.912989
cg075309							
25	chr10	90564681		-0.33174	-2.21941	0.027776	0.912792
cg182541							
83	chr2	18353182		-0.29916	-2.21802	0.027872	0.912792
cg238133		ENSG000002613					
13	chr6	26572433 53		-0.30341	-2.21698	0.027945	0.912792
cg014301							
72	chr11	46958188		0.21995	2.219081	0.027799	0.912792
cg232814							
80	chr8	33579916		-0.34878	-2.22174	0.027615	0.912792
cg128156							
97	chr16	83841917		0.140391	2.217191	0.02793	0.912792
cg255704							
53	chr7	14834316		-0.32768	-2.21606	0.028009	0.912989
cg058601							
15	chr19	42928597 CEACAM5		0.236412	2.214978	0.028084	0.913153
cg072857							
08	chr3	10291324		0.285837	2.213434	0.028193	0.913238
cg249308							
51	chr5	1.41E+08		0.208931	2.216559	0.027974	0.912989
cg184584							
31	chr19	19739060		0.292221	2.21784	0.027885	0.912792
cg120515							
32	chr19	53935276		-0.16532	-2.22113	0.027657	0.912792
cg211871							
94	chr3	1.27E+08 ABTB1		-0.21777	-2.21722	0.027928	0.912792
cg265082							
00	chr12	1.09E+08 USP30		-0.30991	-2.22003	0.027733	0.912792
cg240657							
22	chr4	89619573		-0.25783	-2.21636	0.027988	0.912989
cg164956							
96	chr15	90792869		-0.26831	-2.22018	0.027723	0.912792
cg167613							
90	chr7	27290724		0.301941	2.217182	0.027931	0.912792

cg033716							
13	chr17	43043737		0.242928	2.213726	0.028172	0.913238
cg029943							
99	chr19	14517152	GIPC1	0.307206	2.211418	0.028334	0.913855
cg108832							
66	chr13	1.01E+08		-0.21624	-2.21281	0.028237	0.913463
cg206908							
56	chr7	73315490		-0.21157	-2.21294	0.028227	0.913356
cg167105							
17	chr21	46391275		-0.31616	-2.21347	0.02819	0.913238
cg066993							
65	chr11	59383578		-0.18764	-2.21478	0.028098	0.913188
cg152430							
34	chr11	77907656		0.275235	2.213893	0.02816	0.913221

			NR2F2;ENSG000				
			00259275;ENSG				
cg143736							
60	chr15	96890051	00000259542	0.592664	2.213028	0.028221	0.913356

			CHST6;ENSG000				
			00203472;RFWD				
			3;FA2H;TMEM17				
			0A;MLKL;ENSG0				
cg011740							
85	chr16	75517052	0000262583	-0.37326	-2.21457	0.028113	0.913188
cg038892							
51	chr3	1.39E+08		-0.33473	-2.2139	0.02816	0.913221

			B2M;SQRD;TRI				
cg074772							
82	chr15	44956107	M69;PDIA3	0.311386	2.218304	0.027853	0.912792
cg003255							
99	chr3	36986513		-0.13717	-2.21536	0.028058	0.913153
cg049621							
59	chr5	92916474		-0.37039	-2.21514	0.028073	0.913153
cg136486							
82	chr9	1.37E+08		-0.1328	-2.21297	0.028225	0.913356
cg057112							
51	chr7	2740362		-0.28122	-2.2165	0.027978	0.912989
cg174145							
80	chr3	1.6E+08		-0.12098	-2.21453	0.028116	0.913188
cg157097							
84	chr12	64845926		-0.13185	-2.21471	0.028103	0.913188
cg032097			ENSG000002194				
20	chr6	1.58E+08	48	-0.16398	-2.22397	0.027462	0.912479
cg106038							
26	chr12	26986825		0.299757	2.217955	0.027877	0.912792

cg214492							
29	chr8	1.42E+08		0.206736	2.215312	0.028061	0.913153
cg215200							
42	chr1	1.97E+08		-0.22871	-2.21824	0.027857	0.912792
cg040927							
62	chr2	30454146		0.163469	2.216496	0.027978	0.912989
cg225024							
59	chr8	1.41E+08		0.220234	2.212927	0.028228	0.913356
cg119853							
21	chr7	1.58E+08		-0.31967	-2.21327	0.028204	0.913238
cg006273							
61	chr4	614552		-0.35685	-2.21708	0.027938	0.912792
cg072242							
15	chr2	1.7E+08 SSB		0.325389	2.21802	0.027872	0.912792
cg098784							
15	chr14	23067552		-0.19303	-2.21417	0.028141	0.913221
cg005943							
00	chr16	284396		0.178708	2.212437	0.028263	0.913463
cg110131							
64	chr5	43483764		0.128699	2.21791	0.02788	0.912792
cg032641							
56	chr4	1957837 SLBP		0.396667	2.212275	0.028274	0.913492
cg119398							
25	chr2	54087552		0.278077	2.214169	0.028141	0.913221
cg126019		MRPL23;LRRC56					
09	chr11	1324478 ;IGF2		0.373721	2.213411	0.028194	0.913238
cg248721		GRIK5;AXL;CEAC					
17	chr19	42356072 AM3;CYP2A13		-0.25501	-2.21575	0.028031	0.913135
cg077862							
58	chr4	1.58E+08		-0.31671	-2.2152	0.028069	0.913153
cg218566							
45	chr14	23517243 MRPL52		0.249817	2.215412	0.028054	0.913153
cg051605							
63	chr1	2.16E+08		-0.44169	-2.21322	0.028207	0.913238
cg141870							
25	chr13	28371663 RASL11A		0.332917	2.215432	0.028053	0.913153
cg004882							
60	chr11	1.07E+08		-0.18482	-2.2133	0.028202	0.913238
cg008595							
95	chr7	75931693		0.244796	2.215022	0.028081	0.913153
cg245335							
65	chr18	54318561		0.253956	2.213287	0.028203	0.913238
cg032135		PTGDS;ENSG000					
05	chr9	1.39E+08 00264527		0.303509	2.213944	0.028157	0.913221
cg051428							
33	chr2	2.01E+08		-0.18447	-2.22059	0.027694	0.912792

cg109233							
46	chr10	6186794		-0.11892	-2.21751	0.027907	0.912792
			ENSG000002604				
cg039198			67;PRSS54;CCDC				
36	chr16	58426331	135;CIAPIN1	-0.1766	-2.21259	0.028252	0.913463
cg215804							
56	chr3	1.26E+08	ALG1L	-0.28967	-2.21107	0.028359	0.913858
cg216156							
15	chr18	32832669		-0.31921	-2.2113	0.028343	0.913855
cg000948							
17	chr10	35464482		-0.30511	-2.2193	0.027784	0.912792
cg051476							
92	chr1	1.6E+08		0.333936	2.217792	0.027888	0.912792
cg035258							
18	chr1	47796001		0.311482	2.212519	0.028257	0.913463
cg138986							
05	chr17	9675212		-0.28559	-2.2137	0.028174	0.913238
cg259997							
22	chr2	30144566		-0.16842	-2.21353	0.028186	0.913238
cg239599							
77	chr2	2.43E+08		0.402764	2.212226	0.028277	0.913492
cg145550							
45	chr12	1.28E+08		-0.28959	-2.21961	0.027762	0.912792
cg230543							
79	chr1	1.76E+08		-0.27716	-2.21141	0.028335	0.913855
cg253835							
68	chr19	39217721	MAP4K1	0.276774	2.223146	0.027518	0.912681
cg270561							
75	chr8	1.42E+08		-0.21791	-2.21627	0.027994	0.912989
cg058072							
91	chr13	95131809		-0.33437	-2.21722	0.027928	0.912792
cg177152							
62	chr6	86303669		-0.18009	-2.21365	0.028177	0.913238
cg207281							
05	chr7	12610689		-0.40723	-2.2136	0.028181	0.913238
cg228670							
66	chr7	1.29E+08	NRF1	-0.21992	-2.21239	0.028266	0.913463
cg239384							
19	chr10	64133686		0.331793	2.216978	0.027945	0.912792
cg178522							
49	chr4	1.2E+08		0.332809	2.211252	0.028346	0.913855
cg206876							
16	chr1	56883736		-0.38149	-2.21138	0.028337	0.913855
cg062817							
62	chr5	1.6E+08		-0.25769	-2.21693	0.027948	0.912792
cg012989							
12	chr12	1042034		-0.29547	-2.21157	0.028323	0.913855



cg181841							
53	chr6	33385417	RPS18	0.244724	2.217065	0.027939	0.912792
cg194894							
94	chr6	42146143		0.201988	2.215928	0.028018	0.912989
cg158479							
63	chr4	1.81E+08		0.384204	2.213313	0.028201	0.913238
cg231928							
24	chr6	1.43E+08		-0.43754	-2.21194	0.028298	0.913811
cg054533							
37	chr10	1.06E+08		0.301466	2.218129	0.027865	0.912792
cg075965							
68	chr1	20693828		0.236059	2.210126	0.028426	0.913973
cg139834							
42	chr1	1.76E+08		0.306932	2.217874	0.027882	0.912792
cg078237							
55	chr2	2.35E+08		0.232058	2.214102	0.028146	0.913221
cg232118							
35	chr10	72054822		-0.23665	-2.21176	0.02831	0.913855
cg260759			MYO1G;YKT6;CC				
66	chr7	44999021	M2;IGFBP3	-0.29457	-2.21107	0.028359	0.913858
cg201725							
00	chr3	6902432		0.312392	2.214496	0.028118	0.913188
cg102856							
18	chr2	47604745		-0.26499	-2.21698	0.027945	0.912792
cg033403							
65	chr10	407847		0.209613	2.214015	0.028152	0.913221
cg000537			DNAJC18;PCDHB				
55	chr5	1.4E+08	9	-0.27075	-2.21292	0.028229	0.913356
cg176254							
09	chr5	72143790		-0.25101	-2.21373	0.028172	0.913238
cg177390							
26	chr1	27114420		0.152557	2.211373	0.028338	0.913855
cg053732							
63	chr2	3063115		0.662429	2.210415	0.028405	0.913973
cg024150							
20	chr1	2.46E+08		0.286954	2.213379	0.028196	0.913238
cg004675			IL10RA;AMICA1;				
29	chr11	1.18E+08	CD3G	-0.25966	-2.21814	0.027864	0.912792
cg094230							
97	chr8	1.22E+08		0.272822	2.213912	0.028159	0.913221
cg212942							
09	chr1	46713444		-0.13213	-2.21788	0.027882	0.912792
cg171962							
68	chr18	30354310		-0.44397	-2.20988	0.028443	0.913973
cg142447							
39	chr9	1.03E+08		-0.34919	-2.21401	0.028152	0.913221
cg162951							
33	chr10	1.25E+08		-0.26936	-2.21706	0.027939	0.912792

cg066844							
07	chr21	46356806		-0.3249	-2.21314	0.028213	0.913356
cg119415							
07	chr3	1.34E+08		-0.21937	-2.21469	0.028105	0.913188
cg001123							
67	chr5	1.78E+08		0.240057	2.211285	0.028344	0.913855
cg006965							
40	chr6	1.12E+08		-0.16978	-2.21041	0.028406	0.913973
cg197602							
43	chr1	1.54E+08		-0.24284	-2.21237	0.028267	0.913463
cg079116							
73	chr17	8198092 MPDU1		0.193991	2.216033	0.028011	0.912989
cg003196							
92	chr8	87111119		-0.22675	-2.2136	0.028181	0.913238
cg118314							
31	chr15	73639105		-0.30754	-2.21136	0.028338	0.913855
cg010706							
57	chr2	2.08E+08		-0.31477	-2.21005	0.028431	0.913973
cg270897							
68	chr14	96180598		0.347426	2.214689	0.028105	0.913188
cg062360							
61	chr12	1.1E+08		-0.29154	-2.2114	0.028335	0.913855
cg002463		ENSG000002729					
01	chr2	1.01E+08 02		-0.28678	-2.2124	0.028265	0.913463
cg239875							
49	chr20	56285728		-0.22371	-2.21242	0.028264	0.913463
cg150700							
96	chr1	1.56E+08		0.132866	2.214603	0.028111	0.913188
cg091134							
40	chr10	18999313 ARL5B		0.400195	2.212689	0.028245	0.913463
cg253207							
49	chr6	28494732		-0.30665	-2.21603	0.028011	0.912989
cg064639							
13	chr11	207296 EFCAB4A		-0.16793	-2.21153	0.028327	0.913855
cg094915							
36	chr5	3787915		0.363122	2.212159	0.028282	0.913518
cg144177							
60	chr15	27111749		0.430298	2.211159	0.028353	0.913858
cg073567							
71	chr3	53879950		0.243589	2.211352	0.028339	0.913855
cg140233							
29	chr11	15099930		-0.32638	-2.21452	0.028117	0.913188
cg266646							
34	chr2	1.49E+08		0.245803	2.209278	0.028486	0.914305
cg087518							
45	chr4	83697085		-0.24958	-2.21142	0.028334	0.913855
cg049302							
11	chr22	49069896		-0.20964	-2.2101	0.028427	0.913973
cg024442							
26	chr2	66545288		-0.37535	-2.21272	0.028242	0.913463

cg101600							
68	chr5	76383150		0.13587	2.210245	0.028417	0.913973
cg261947							
75	chr6	24126114		0.326449	2.216519	0.027977	0.912989
cg031231							
70	chr10	1.34E+08		-0.22187	-2.2122	0.028279	0.913492
cg111011							
17	chr10	1.03E+08		0.331234	2.215654	0.028037	0.913135
cg214717							
78	chr4	1987188		0.194917	2.210366	0.028409	0.913973
cg120156							
15	chr7	55540725		-0.53609	-2.21465	0.028108	0.913188
cg142042							
11	chr10	81107088		-0.23058	-2.21114	0.028354	0.913858
cg234608							
43	chr2	1.28E+08		0.386473	2.211081	0.028358	0.913858
cg003410							
42	chr10	1.17E+08		0.285413	2.215935	0.028018	0.912989
cg039623							
59	chr6	1.54E+08		-0.28419	-2.21622	0.027998	0.912989
cg047369							
51	chr4	6725338		0.376173	2.212899	0.02823	0.913356
cg185887							
94	chr14	1.03E+08		-0.19871	-2.21604	0.02801	0.912989
cg112517							
28	chr11	78980839		-0.25798	-2.2148	0.028097	0.913188
cg245372							
37	chr11	1254204 TSPAN4;PKP3		-0.29616	-2.21234	0.02827	0.913463
cg000520							
46	chr20	3213682 IDH3B		0.296874	2.210243	0.028417	0.913973
cg240193							
94	chr10	31015881		0.189472	2.210659	0.028388	0.913973
ch.10.896							
173F	chr10	35428323		-0.20801	-2.21755	0.027905	0.912792
cg066685							
55	chr8	1.4E+08		0.266763	2.210437	0.028404	0.913973
cg268127							
28	chr11	67980797		-0.20343	-2.20999	0.028435	0.913973
cg191475							
34	chr10	91377755 LINC00865		0.33616	2.212051	0.02829	0.913644
cg256846							
40	chr7	1277154		0.241371	2.215593	0.028041	0.913135
cg013910							
22	chr12	1.22E+08 P2RX7		-0.32301	-2.21425	0.028135	0.913221
cg125280			MS4A8;DAK;PPP				
56	chr11	60619955 1R32;LRRC10B		0.434648	2.214956	0.028086	0.913153
cg156446							
10	chr19	36395503		0.294523	2.213296	0.028202	0.913238

			NAT6;ENSG0000				
			0230454;WDR6;				
			SEMA3F;NICN1;L				
cg056662			AMB2;AMT;BSN;				
87	chr3	49757470	SEMA3B	0.282559	2.20886	0.028515	0.914305
cg195394							
81	chr11	66475652		0.235804	2.212951	0.028227	0.913356
cg196168							
51	chr7	63363811		-0.3582	-2.20883	0.028517	0.914305
cg258314							
39	chr2	1.62E+08	TANK	-0.40385	-2.2108	0.028378	0.913973
cg176500							
28	chr5	1201713	PDCD6	-0.29057	-2.20857	0.028536	0.914305
cg047824			IL12RB1;FCHO1;J				
70	chr19	18208422	AK3	0.317875	2.211376	0.028337	0.913855
cg118062							
03	chr1	93254890		-0.32208	-2.20988	0.028443	0.913973
cg016299							
40	chr16	67190539	PSMB10	0.29738	2.20931	0.028483	0.914305
cg151691							
21	chr2	1.78E+08		-0.34467	-2.21223	0.028277	0.913492
cg060499							
72	chr3	48646375		-0.18772	-2.21534	0.028059	0.913153
cg060586							
18	chr1	1.55E+08		0.173492	2.212633	0.028249	0.913463
cg103776							
29	chr17	1388950		-0.18247	-2.20734	0.028623	0.914821
cg118813							
13	chr7	1.04E+08		0.221761	2.208149	0.028566	0.914536
cg215829							
73	chr6	28478268		-0.27151	-2.20907	0.0285	0.914305
cg044614							
64	chr16	22448272		-0.12216	-2.21324	0.028206	0.913238
cg053122							
93	chr16	85845716		0.209858	2.212336	0.02827	0.913463
cg025224							
85	chr3	49531973		0.328124	2.209819	0.028447	0.913973
cg190037							
08	chr17	73780620		-0.21602	-2.20926	0.028487	0.914305
cg080933			C11orf21;TSPAN				
23	chr11	3243069	32	-0.23889	-2.21099	0.028364	0.913961
cg157424							
12	chr1	1.81E+08		0.234855	2.211414	0.028335	0.913855

cg245813							
26	chr20	55204266		-0.14459	-2.21131	0.028342	0.913855
cg071840							
13	chr7	25989618		0.322587	2.210691	0.028386	0.913973
cg266447							
79	chr4	2280924		-0.23157	-2.20781	0.02859	0.914619
cg032571							
07	chr10	97514275		-0.30104	-2.2093	0.028484	0.914305
cg124360							
08	chr6	33237467		-0.18502	-2.21241	0.028265	0.913463
cg146387							
35	chr5	1.22E+08		-0.29334	-2.21414	0.028143	0.913221
cg204588							
12	chr1	41157966		-0.18858	-2.21432	0.02813	0.913221
cg267804							
81	chr2	2.37E+08		0.268952	2.209557	0.028466	0.914305
cg129532							
56	chr5	1.51E+08		-0.2193	-2.21826	0.027856	0.912792
cg004857							
48	chr20	44662007		0.305594	2.208682	0.028528	0.914305

cg162599			HHLA2;MYH15;H				
31	chr3	1.09E+08	NRNPA1P17	-0.35304	-2.20824	0.028559	0.91445
cg032121							
29	chr19	34895470		-0.15451	-2.20977	0.028451	0.913984
cg130314							
32	chr16	58497767		0.121481	2.209104	0.028498	0.914305
cg179605							
56	chr7	1.57E+08	PTPRN2	-0.26272	-2.21277	0.028239	0.913463
cg252147							
89	chr5	7850070		-0.29315	-2.21204	0.02829	0.913644
cg191200							
73	chr13	1.14E+08		-0.24485	-2.20876	0.028522	0.914305
cg191630							
58	chr10	1595785	DIP2C	0.430423	2.210169	0.028423	0.913973
cg027609							
39	chr17	41985144		0.16967	2.208485	0.028542	0.914305
cg102616							
01	chr2	2.4E+08		0.235673	2.210145	0.028424	0.913973
cg140373							
54	chr14	1.02E+08		-0.24706	-2.20799	0.028577	0.914584
cg154895							
41	chr11	57508451		0.330798	2.206524	0.028681	0.914857
cg254167							
19	chr7	1.05E+08		0.250265	2.210722	0.028384	0.913973
cg064816							
60	chr6	6824580		-0.21234	-2.21387	0.028162	0.913221
cg271231							
06	chr10	855660		0.291808	2.211627	0.02832	0.913855

cg110666							
01	chr1	1.85E+08		-0.82254	-2.2086	0.028534	0.914305
cg136190							
74	chr9	857563 DMRT3		-0.34422	-2.20911	0.028498	0.914305
cg198655							
23	chr12	1.33E+08 EP400		0.26687	2.205596	0.028747	0.914857
cg198668							
66	chr1	1.82E+08		0.391204	2.208516	0.02854	0.914305
cg034176							
73	chr16	3969086 ZNF174		0.259447	2.210783	0.028379	0.913973
cg231490							
53	chr12	1.32E+08		-0.24612	-2.20958	0.028464	0.914305
		HOXB4;HOXB3;H					
cg138729		OXB-					
50	chr17	46620460 AS2;CALCOCO2		0.313974	2.213411	0.028194	0.913238
cg086162							
69	chr10	70480892		0.170014	2.208371	0.02855	0.914338
cg274304		ENSG000002350					
02	chr1	2.45E+08 96		-0.25851	-2.21632	0.027991	0.912989
cg033259		SVIL;ARMC4;MP					
31	chr10	28968928 P7		0.271816	2.21067	0.028387	0.913973
cg134763							
36	chr17	38255694		-0.18103	-2.21384	0.028164	0.913223
cg026495							
47	chr10	95848791		0.305053	2.209008	0.028505	0.914305
cg091231							
58	chr20	57426264		0.250289	2.210126	0.028426	0.913973
cg012963		ENSG000002170					
95	chr2	36696193 75		0.345234	2.209155	0.028494	0.914305
cg093177							
74	chr4	1.54E+08 TRIM2		-0.40538	-2.20788	0.028585	0.914584
cg132644							
73	chr19	40324386 ZNF546		0.186957	2.206067	0.028714	0.914857
cg005183							
86	chr16	10276984		-0.21023	-2.21008	0.028429	0.913973
cg003637							
50	chr19	51017311		-0.24254	-2.20849	0.028541	0.914305
cg088601							
90	chr19	6719342 C3		0.375072	2.212653	0.028247	0.913463
cg002865							
12	chr7	754102		-0.16697	-2.21088	0.028372	0.913973
cg228151							
18	chr11	1529654		-0.17271	-2.20837	0.02855	0.914338
cg045511							
18	chr2	43122834		-0.2247	-2.20849	0.028541	0.914305
cg199718							
04	chr2	39102883		-0.26529	-2.20806	0.028572	0.914583

cg039693							
01	chr2	11056425		-0.21365	-2.20811	0.028568	0.914536
cg239444							
05	chr11	30602030		-0.2587	-2.20755	0.028609	0.914619
cg075383							
72	chr12	1.32E+08		-0.27548	-2.20767	0.0286	0.914619
cg245349							
26	chr17	36667484	RPL23	0.220056	2.211482	0.02833	0.913855
cg167313			ENSG000002304				
18	chr1	94313343	39	0.308331	2.213925	0.028158	0.913221
cg047815			PRKAG2;SMARC				
32	chr7	1.52E+08	D3;CDK5	0.293838	2.210104	0.028427	0.913973
cg101652							
09	chr17	46715533	ABI3;PHOSPHO1	0.334923	2.208611	0.028533	0.914305
cg249161							
16	chr12	76424973		-0.27235	-2.20663	0.028674	0.914857
cg192451			ENSG000002364				
20	chr2	2.22E+08	51	-0.45649	-2.2101	0.028428	0.913973
cg266878			TNXB;SLC44A4;C				
30	chr6	32135326	6orf10	0.314844	2.20916	0.028494	0.914305
cg172645							
13	chr7	8476450		0.355627	2.206261	0.0287	0.914857
cg065635							
04	chr16	70688144		0.29478	2.20775	0.028594	0.914619
cg179062							
67	chr1	95582329	ARHGAP29	0.212732	2.215203	0.028069	0.913153
cg249311							
68	chr1	2.05E+08		0.220457	2.208349	0.028551	0.914338
cg019942							
16	chr16	612306		-0.2507	-2.20567	0.028742	0.914857
cg274224							
07	chr3	1.81E+08		-0.3021	-2.21183	0.028305	0.913855
cg024753							
74	chr8	10988117		-0.2878	-2.20691	0.028654	0.914857
cg068480							
60	chr17	7907755		-0.239	-2.21158	0.028323	0.913855
cg017095							
68	chr9	72285588		-0.28391	-2.20915	0.028495	0.914305
cg185456			C8orf34;ENSG00				
95	chr8	69665987	000248801	-0.45343	-2.20615	0.028708	0.914857
cg226430							
80	chr6	4136196		-0.21867	-2.20871	0.028526	0.914305
cg273029							
85	chr3	1.5E+08		0.188814	2.204601	0.028819	0.914857
cg223369							
93	chr6	31848507		0.321276	2.209304	0.028484	0.914305

cg183774							
46	chr1	1E+08		0.394199	2.204342	0.028837	0.914857
cg208385							
86	chr11	7110196		0.422538	2.206685	0.02867	0.914857
cg094675							
01	chr17	42083193		0.289932	2.204879	0.028799	0.914857
			ENSG000002553				
			06;CHKA;ENSG0				
cg201554			0000254610;AIP				
47	chr11	68199656	;RPS3AP40	0.287216	2.206215	0.028703	0.914857
			TSPAN1;LURAP1;				
cg080400			TAL1;AKR1A1;PR				
35	chr1	46765664	DX1	-0.2542	-2.20562	0.028746	0.914857
			HIST1H3J;HIST1H				
			1B;ZKSCAN8;HIS				
			T1H2AJ;HIST1H2				
			AI;HIST1H3H;HIS				
cg025789			T1H2BO;HIST1H				
44	chr6	28227392	3I	0.410302	2.207279	0.028628	0.914855
cg268166							
88	chr7	1.56E+08		-0.25132	-2.20637	0.028692	0.914857
cg223889							
54	chr18	905177		0.430964	2.209913	0.028441	0.913973
cg084913							
76	chr5	404678		-0.21473	-2.20981	0.028448	0.913973
cg126407							
70	chr6	79577691		-0.24046	-2.21011	0.028427	0.913973
cg252158							
35	chr3	51931585		0.405939	2.20733	0.028624	0.914821
cg242978							
73	chr7	1993352		0.237251	2.206673	0.028671	0.914857
cg041550							
26	chr16	67841269		0.375103	2.210393	0.028407	0.913973
cg087550							
40	chr1	1.8E+08		0.189267	2.212594	0.028252	0.913463
cg267293							
72	chr10	1.32E+08		0.291648	2.205313	0.028768	0.914857
cg233711							
23	chr6	56954779		0.157847	2.213404	0.028195	0.913238
cg134686							
25	chr9	1.4E+08	EGFL7;SEC16A	0.211625	2.208647	0.02853	0.914305



cg069758							
34	chr16	67562999	-0.19191	-2.20487	0.028799	0.914857	
cg241211							
72	chr20	60796414	0.278712	2.209214	0.02849	0.914305	
cg275108							
32	chr1	76080684	0.293485	2.204493	0.028826	0.914857	
cg217351							
15	chr12	9800259 KLRB1	-0.30608	-2.21076	0.028381	0.913973	
cg103178							
67	chr8	27449498	-0.24701	-2.20918	0.028493	0.914305	
cg041821							
14	chr15	63116019	-0.23055	-2.20842	0.028547	0.914338	
cg079055							
68	chr16	30565391	0.277276	2.205278	0.02877	0.914857	
cg058444							
73	chr22	30792924	-0.17096	-2.20695	0.028651	0.914857	
cg247831							
64	chr18	653595	0.364653	2.210502	0.028399	0.913973	
cg053938							
28	chr1	23034799	-0.33343	-2.20386	0.028872	0.914884	
cg069302							
52	chr22	50903229	-0.21382	-2.21113	0.028355	0.913858	
cg167552							
20	chr16	12070685	-0.17189	-2.20532	0.028767	0.914857	
cg108216							
10	chr1	19052235	0.414042	2.205887	0.028727	0.914857	
cg090152							
32	chr20	44657115	0.29838	2.20608	0.028713	0.914857	
cg045955							
05	chr2	50572944	-0.37403	-2.20987	0.028444	0.913973	
cg066595							
80	chr4	77227628	-0.1896	-2.20519	0.028776	0.914857	
cg120455							
28	chr2	31455890	-0.3083	-2.2106	0.028392	0.913973	
cg076256							
30	chr6	31382118 AIF1	0.175975	2.20996	0.028437	0.913973	
cg269252							
26	chr15	74751138 SCAMP2	0.278609	2.20425	0.028844	0.914857	
cg157484							
90	chr1	2.4E+08	0.336046	2.206575	0.028678	0.914857	
cg184491							
36	chr8	19866173	-0.39593	-2.20575	0.028736	0.914857	
cg139679							
36	chr1	35260066	-0.27784	-2.20789	0.028584	0.914584	
cg108451							
71	chr14	1.06E+08	-0.28147	-2.20604	0.028716	0.914857	
cg107584							
54	chr8	59755391	0.307897	2.206789	0.028662	0.914857	
cg194882							
13	chr10	28033338	0.210163	2.205626	0.028745	0.914857	

cg175235							
01	chr19	3627580		-0.25403	-2.20732	0.028624	0.914821
cg184896							
06	chr19	2927396		-0.22395	-2.20773	0.028595	0.914619
cg168709							
58	chr6	1.5E+08	PCMT1	0.226252	2.210869	0.028373	0.913973
cg059969							
84	chr4	39460240		0.224069	2.209881	0.028443	0.913973
cg261170							
25	chr1	33390700		0.299309	2.204997	0.02879	0.914857
cg093446							
31	chr6	33135763		0.269675	2.203874	0.028871	0.914884
			KLHDC8A;NFASC				
cg118411			;ENSG00000229				
27	chr1	2.05E+08	657	-0.17349	-2.20628	0.028699	0.914857
			PEG3;ENSG0000				
			0268230;ENSG0				
cg184354			0000268948;ZN				
49	chr19	58095445	F835	0.378247	2.206111	0.028711	0.914857
			COL1A2;GNG11;				
cg137408			SGCE				
34	chr7	93926617		0.388001	2.209323	0.028482	0.914305
cg055293							
43	chr3	22412124		-0.29916	-2.20705	0.028644	0.914857
cg050382							
43	chr1	1.12E+08		0.297202	2.205336	0.028766	0.914857
cg017184							
47	chr7	30722327		0.24405	2.207086	0.028641	0.914857
cg192323							
82	chr10	1.35E+08		0.611206	2.205259	0.028771	0.914857
cg026902							
56	chr2	10953520		0.229432	2.206429	0.028688	0.914857
cg207065							
83	chr20	3827235		-0.16013	-2.20635	0.028694	0.914857
cg204339							
52	chr17	55607898		0.206776	2.205584	0.028748	0.914857
cg268079							
12	chr15	1.02E+08		0.302224	2.208028	0.028574	0.914584
cg071508							
32	chr7	1.49E+08		-0.32629	-2.20427	0.028842	0.914857
cg066459							
46	chr5	1.57E+08		-0.14517	-2.20352	0.028896	0.914884
cg078287							
41	chr2	1.89E+08		0.351629	2.208561	0.028536	0.914305
cg148378							
96	chr5	79330096		0.328894	2.204585	0.02882	0.914857

cg268734							
57	chr10	729204	DIP2C	0.339468	2.204295	0.02884	0.914857
cg119458							
45	chr8	8998699		-0.31504	-2.20859	0.028535	0.914305
cg156646							
18	chr11	9483118		-0.26771	-2.21126	0.028345	0.913855

			ZNF473;ENSG00				
			000269091;ENS				
cg230294							
94	chr19	50167926	G00000204666	-0.18467	-2.20766	0.028601	0.914619
cg134936							
35	chr6	32847785		0.438037	2.204627	0.028817	0.914857
cg231947							
76	chr5	1.43E+08		0.417514	2.203525	0.028896	0.914884
cg065046							
24	chr7	1.57E+08		0.347746	2.206149	0.028708	0.914857
cg109164							
59	chr7	10819836		-0.31271	-2.2051	0.028783	0.914857
cg001799							
21	chr22	39927437		0.145635	2.206177	0.028706	0.914857
cg060342							
55	chr10	1.26E+08		-0.2832	-2.20595	0.028722	0.914857
cg135651							
52	chr9	35815219		-0.25109	-2.20341	0.028904	0.914884
cg119977							
34	chr21	46927484		-0.26055	-2.20533	0.028767	0.914857
cg005526							
96	chr10	29195190		0.293204	2.20559	0.028748	0.914857
cg048254							
91	chr16	51130058		0.365332	2.209341	0.028481	0.914305

			KNTC1;TMEM12				
			OB;MLXIP;RNF34				
cg182116							
33	chr12	1.22E+08	;SETD1B;OASL	0.203416	2.209056	0.028501	0.914305
cg059588							
16	chr7	8153520		-0.27632	-2.20589	0.028726	0.914857
cg070975							
38	chr11	92539268		-0.2587	-2.20595	0.028723	0.914857
cg108921							
58	chr8	24857894		-0.15612	-2.20869	0.028527	0.914305
cg057818							
26	chr17	1165839		0.218823	2.207637	0.028602	0.914619
cg088714							
67	chr9	1.04E+08	ZNF189	-0.15564	-2.21053	0.028397	0.913973
cg145149							
91	chr1	1.59E+08		-0.36002	-2.20621	0.028703	0.914857

cg264507							
47	chr19	55628998	0.154591	2.208261	0.028558	0.91445	
cg119038							
80	chr1	1.1E+08	0.22708	2.208131	0.028567	0.914536	
cg256269							
92	chr17	45894369	0.229791	2.205269	0.028771	0.914857	
cg022322							
08	chr3	1.47E+08	0.317549	2.201844	0.029016	0.915039	
ch.15.979							
660F	chr15	65855109	-0.33827	-2.20468	0.028813	0.914857	
cg131144							
97	chr22	18986775	0.372364	2.204605	0.028818	0.914857	
cg181941							
53	chr5	1.76E+08	-0.19639	-2.20582	0.028732	0.914857	
cg002496							
32	chr4	1872469	-0.13222	-2.20691	0.028654	0.914857	
cg053503							
60	chr19	4475274	0.263805	2.205296	0.028769	0.914857	
cg186210							
91	chr18	75612056	0.226423	2.202349	0.02898	0.914884	
cg069864							
89	chr16	47011839	0.315086	2.20344	0.028902	0.914884	
cg124296							
10	chr2	2.34E+08	0.50251	2.201209	0.029062	0.915039	
cg084469							
89	chr11	66036511	-0.16928	-2.20252	0.028968	0.914884	
cg007870							
55	chr7	63562162	0.286371	2.20278	0.028949	0.914884	
cg009553							
07	chr1	1.67E+08	0.221941	2.204312	0.028839	0.914857	
cg183690							
34	chr14	52733216	-0.30487	-2.2075	0.028612	0.914619	
cg114416							
17	chr19	54646104	0.286728	2.204567	0.028821	0.914857	
cg181645							
08	chr12	1.33E+08	-0.38014	-2.20381	0.028875	0.914884	
TRIM27;SCAND3							
cg019769							
13	chr6	29430900	-0.40737	-2.20434	0.028837	0.914857	
cg016961							
14	chr4	1616448	0.274321	2.203431	0.028902	0.914884	
cg134200							
43	chr9	1.12E+08	-0.23837	-2.20071	0.029098	0.915039	
cg254087							
00	chr21	43726165	-0.25154	-2.20592	0.028724	0.914857	

cg034344			HLA-DRB5;HLA-DRB1;HLA-DQB1;HLA-DQA1				
32	chr6	32122393		0.261689	2.203366	0.028907	0.914884
cg080957							
00	chr3	1.85E+08		0.34136	2.205292	0.028769	0.914857
cg128430							
33	chr21	45706043		-0.2572	-2.20575	0.028737	0.914857
cg135967			CCDC92;DNAH1				
73	chr12	1.23E+08	OOS;ENSG00000269938	-0.2199	-2.20191	0.029011	0.915039
cg251909							
99	chr2	8826175		-0.20866	-2.20561	0.028747	0.914857
cg245302							
34	chr10	44224014		0.453204	2.209831	0.028446	0.913973
cg086116							
77	chr2	99797711		-0.23412	-2.20237	0.028979	0.914884
cg115055							
33	chr1	2.33E+08		0.19749	2.207522	0.02861	0.914619
cg235240							
48	chr2	1.45E+08		0.287433	2.205647	0.028744	0.914857
cg023318							
83	chr5	1.41E+08		0.376123	2.205232	0.028773	0.914857
cg079912							
88	chr20	22559339		0.325615	2.203453	0.028901	0.914884
cg229797							
83	chr2	72371261	DYSF;SPR	0.414623	2.20681	0.028661	0.914857
cg195414							
79	chr5	1.74E+08		-0.2718	-2.19924	0.029204	0.915039
cg040128							
57	chr6	30080405		-0.31373	-2.20188	0.029014	0.915039
cg099468							
32	chr8	1.44E+08		0.190052	2.205201	0.028776	0.914857
cg149997							
16	chr12	1.04E+08		-0.38074	-2.20298	0.028935	0.914884
cg027632							
90	chr18	77255811		-0.32011	-2.20305	0.028929	0.914884
cg187422							
03	chr19	17416661	RPL18A	-0.20662	-2.20336	0.028907	0.914884
cg141608							
04	chr18	12703040		0.275376	2.202484	0.02897	0.914884
cg254537							
97	chr2	46360214		-0.21841	-2.20606	0.028714	0.914857
ch.1.8182							
7435R	chr1	82054847		0.291569	2.203996	0.028862	0.914864

cg276078						
98	chr6	4136202	-0.18444	-2.20414	0.028852	0.914864
cg158183						
07	chr6	29521430	0.429164	2.202634	0.02896	0.914884
cg167441						
86	chr7	2138722	-0.1884	-2.20399	0.028862	0.914864
cg234104						
15	chr6	14287748	0.230844	2.200341	0.029125	0.915039
cg123433						
38	chr5	1807338	-0.38215	-2.20005	0.029146	0.915039
cg145436						
30	chr9	1.17E+08	0.191428	2.209104	0.028498	0.914305
cg134751						
04	chr3	1.19E+08	0.340037	2.203706	0.028883	0.914884
cg191241						
51	chr2	98615797	-0.23592	-2.20326	0.028915	0.914884
cg244952						
57	chr15	75074433	0.145671	2.205166	0.028778	0.914857
cg173474						
71	chr5	52405518	0.167425	2.202519	0.028968	0.914884
cg260965						
99	chr11	65641445	0.201898	2.202369	0.028979	0.914884
cg037366						
85	chr16	55546074	-0.35078	-2.2023	0.028984	0.914884
cg131701						
74	chr4	1.31E+08	-0.35296	-2.20491	0.028796	0.914857
cg258453						
31	chr1	15851274	0.271202	2.202671	0.028957	0.914884
cg158241						
00	chr1	77980005	0.325872	2.204035	0.028859	0.914864
cg102115						
30	chr7	5391111	0.212899	2.203632	0.028888	0.914884
cg120096						
06	chr19	6737691	-0.16359	-2.20471	0.028811	0.914857
cg205844						
74	chr6	1515696	-0.24002	-2.20145	0.029045	0.915039
cg240877						
96	chr17	46871873	-0.20617	-2.20489	0.028798	0.914857
cg202523						
99	chr22	45599149	-0.21641	-2.20252	0.028968	0.914884
cg254067						
55	chr22	26908877	0.352267	2.205248	0.028772	0.914857
cg190380						
27	chr10	1.34E+08	-0.2388	-2.20233	0.028981	0.914884
cg041423						
23	chr5	87981449	0.31269	2.20898	0.028507	0.914305
cg270747						
20	chr19	45843894	-0.14485	-2.20288	0.028942	0.914884
cg129765						
82	chr3	50359583	0.223706	2.204724	0.02881	0.914857

cg122686							
37	chr2	1.77E+08		0.21999	2.205171	0.028778	0.914857
cg014716							
54	chr17	26899223		0.256487	2.204055	0.028858	0.914864
cg116412							
22	chr8	1.22E+08		-0.32418	-2.20257	0.028964	0.914884
cg126506							
55	chr20	9495495		0.26649	2.201378	0.02905	0.915039
cg130167							
97	chr5	1.79E+08		-0.39117	-2.20341	0.028904	0.914884
cg005586							
45	chr1	2.19E+08		-0.39831	-2.20181	0.029019	0.915039

cg179268			IL12RB1;FCHO1;J				
69	chr19	18046000	AK3;LRRC25	0.20183	2.20078	0.029093	0.915039
cg270484							
32	chr2	1.33E+08		0.580917	2.200462	0.029116	0.915039
cg009475							
86	chr1	26437320		-0.26777	-2.20581	0.028733	0.914857
cg040663							
96	chr2	1.59E+08		-0.14456	-2.20541	0.028761	0.914857
cg129397							
77	chr13	1.14E+08	F10;GAS6	-0.31291	-2.20315	0.028922	0.914884
cg168311							
85	chr17	29158530		0.391793	2.204097	0.028855	0.914864
cg133352							
71	chr8	33783578		0.397501	2.201883	0.029014	0.915039
cg236661							
80	chr6	27100115	HIST1H4K	-0.27299	-2.20333	0.028909	0.914884
cg209433							
38	chr1	78354406		0.359628	2.199277	0.029202	0.915039
cg040869							
77	chr10	1.35E+08		-0.22157	-2.20325	0.028915	0.914884
cg048352							
84	chr10	1.02E+08		0.254651	2.19951	0.029185	0.915039

			TTC21B;SCN3A;T				
			TC21B-				
cg260562			AS1;ENSG00000				
77	chr2	1.67E+08	229195	-0.3446	-2.20267	0.028957	0.914884
cg248610							
06	chr2	1.7E+08	FASTKD1	-0.48023	-2.20309	0.028927	0.914884
cg093050							
96	chr2	1.89E+08		-0.2945	-2.20715	0.028637	0.914857
cg207044			LINC00939;DHX3				
04	chr12	1.26E+08	7	0.398922	2.201175	0.029065	0.915039
cg236682							
22	chr8	41542092		-0.31032	-2.20778	0.028592	0.914619

cg059272							
68	chr14	74769367		0.223299	2.202744	0.028952	0.914884
cg105191							
40	chr6	44187076	NFKBIE	0.306793	2.201175	0.029065	0.915039
cg075348							
43	chr20	43935283		0.514897	2.207882	0.028585	0.914584
cg107436							
85	chr11	57298307		-0.17824	-2.20039	0.029121	0.915039
cg164578							
76	chr16	11219446		-0.2462	-2.2052	0.028776	0.914857
cg136301							
14	chr9	1.02E+08		-0.38867	-2.2028	0.028948	0.914884
cg075205							
06	chr12	7593007	NOP2	0.365713	2.200657	0.029102	0.915039
cg268039							
93	chr2	1.69E+08		0.240451	2.202639	0.028959	0.914884
cg011399							
06	chr3	10290027		-0.26953	-2.20574	0.028737	0.914857
cg094103							
17	chr10	3168669		0.369614	2.198877	0.029231	0.915039
cg238907							
74	chr19	36618841		-0.16826	-2.20001	0.029148	0.915039
cg156274							
57	chr8	1.42E+08		0.277065	2.202607	0.028962	0.914884
cg251929							
16	chr18	51751750		-0.39447	-2.20273	0.028952	0.914884
cg212100							
90	chr4	15704429		0.294116	2.207603	0.028604	0.914619
cg071263							
99	chr14	1.02E+08		-0.25831	-2.20137	0.029051	0.915039
cg101969							
95	chr7	2027162		-0.30468	-2.20476	0.028807	0.914857
cg167672							
21	chr15	57769667	CGNL1;TCF12	-0.33107	-2.20301	0.028932	0.914884
cg038508							
78	chr4	77724563		0.242129	2.203078	0.028928	0.914884
cg196665							
55	chr4	76865528	CCDC158	0.354967	2.204589	0.028819	0.914857
cg141139							
31	chr18	12701670		0.304638	2.201429	0.029046	0.915039
cg128023							
10	chr2	38304720		-0.28622	-2.20479	0.028805	0.914857
cg010768							
61	chr6	1.69E+08		-0.37217	-2.20025	0.029131	0.915039
cg089433							
61	chr16	56462172	MT1E	-0.23316	-2.20503	0.028788	0.914857
cg073759							
64	chr7	16439254		-0.34527	-2.20663	0.028674	0.914857



cg216593			PDE2A;ARHGEF1				
46	chr11	72280409	7;FCHSD2	0.252753	2.199727	0.029169	0.915039
cg1111417							
43	chr4	17188725	LDB2	0.372317	2.207068	0.028643	0.914857
cg131071							
44	chr15	63353166		0.258058	2.199634	0.029176	0.915039
cg260229							
32	chr10	58121462		0.250029	2.198086	0.029288	0.915039
cg070624							
37	chr13	48611647		0.264997	2.204045	0.028858	0.914864
cg130736							
99	chr17	77805596	CCDC40	-0.35655	-2.19939	0.029194	0.915039
cg147659							
59	chr6	1.06E+08		0.248925	2.204248	0.028844	0.914857
cg022675							
36	chr16	88039689		-0.30777	-2.20475	0.028808	0.914857
cg126589							
25	chr9	1.36E+08	VAV2	-0.26136	-2.20139	0.029049	0.915039
cg211398							
45	chr12	7053993		-0.22876	-2.19826	0.029275	0.915039
cg117054							
32	chr1	2.07E+08		-0.18581	-2.19934	0.029197	0.915039
cg044973							
90	chr17	78327823		-0.25098	-2.20276	0.02895	0.914884
cg039245							
51	chr15	25930203		-0.35513	-2.19765	0.029319	0.915039
cg119152							
05	chr2	86565178		0.245726	2.204438	0.02883	0.914857
cg097974							
33	chr4	87938832		0.321141	2.201702	0.029027	0.915039
cg026177							
91	chr10	27235627		0.227999	2.198612	0.02925	0.915039
cg151692							
65	chr21	44074649		-0.25299	-2.20094	0.029082	0.915039
cg240452							
12	chr7	2020131	PSMG3	-0.55474	-2.19853	0.029255	0.915039
cg010702							
19	chr6	1.11E+08		0.476149	2.20351	0.028897	0.914884
cg142034							
26	chr7	1.02E+08		-0.27803	-2.2013	0.029056	0.915039
cg026544							
11	chr16	1652552		0.326311	2.199531	0.029183	0.915039
cg107730							
23	chr1	31282126	TINAGL1	0.302642	2.207203	0.028633	0.914857
cg164200							
63	chr6	31129722	AIF1	0.264255	2.201401	0.029048	0.915039
cg156349							
80	chr6	36253026		0.292472	2.200122	0.029141	0.915039

cg24704603	chr6	27760633		0.314715	2.196606	0.029395	0.915039
cg00980776	chr2	1.13E+08		0.297216	2.198337	0.02927	0.915039
cg20592707	chr1	1.52E+08		0.273665	2.200952	0.029081	0.915039
cg01719825	chr17	61548898		-0.27674	-2.1999	0.029157	0.915039
cg09560043	chr20	19998446		-0.16201	-2.19938	0.029194	0.915039
cg15467615	chr21	47743775		-0.26804	-2.20107	0.029072	0.915039
cg06693575	chr16	87943373		0.170363	2.200094	0.029143	0.915039
cg01905210	chr3	1.38E+08	DBR1;ESYT3	0.231454	2.200786	0.029093	0.915039
cg07583851	chr13	42840965		0.389527	2.201798	0.02902	0.915039
cg12564913	chr3	52521930		0.289733	2.204398	0.028833	0.914857
cg22329488	chr8	67579616		0.238141	2.203629	0.028888	0.914884
cg24004780	chr3	1.14E+08		-0.29688	-2.20183	0.029018	0.915039
cg15809959	chr17	36720382	ARHGAP23;SRCIN1;HNF1B;PLXD C1	-0.38236	-2.20876	0.028523	0.914305
cg15106368	chr12	1.1E+08		-0.17442	-2.19889	0.02923	0.915039
cg11897120	chr6	1.17E+08	TPI1P3	-0.3563	-2.19823	0.029278	0.915039
cg18943946	chr17	3912065	ITGAE;P2RX5;ZZ EF1	0.298278	2.206026	0.028717	0.914857
cg19259199	chr8	681730		-0.25405	-2.20543	0.028759	0.914857
cg15477144	chr22	45705034		0.428351	2.201315	0.029054	0.915039
cg19312314	chr21	44473962		0.33963	2.205173	0.028778	0.914857
cg27316567	chr3	1.5E+08		-0.36974	-2.19963	0.029176	0.915039
cg02454220	chr1	1.56E+08		-0.2318	-2.20001	0.029148	0.915039
cg11893763	chr10	1.25E+08		0.297524	2.197727	0.029314	0.915039
cg27619149	chr12	93963520		0.172981	2.199529	0.029183	0.915039

cg254031							
74	chr10	1.35E+08		-0.46266	-2.20195	0.029008	0.915039
cg151124							
42	chr5	99382144		0.27629	2.201964	0.029008	0.915039
cg149687							
68	chr12	1.31E+08		0.306586	2.198012	0.029293	0.915039
cg017108							
97	chr15	91497902		-0.25324	-2.1998	0.029164	0.915039
cg039627			RNASET2;ENSGO				
94	chr6	1.67E+08	0000228648	-0.41072	-2.20377	0.028878	0.914884
cg223146							
84	chr3	1.72E+08	TMEM212	0.276806	2.205126	0.028781	0.914857
cg187171			MUM1;TMPRSS				
46	chr19	1478715	9	0.236749	2.198761	0.029239	0.915039
cg002433							
13	chr5	1883413		-0.29776	-2.19912	0.029213	0.915039
cg273040			ZNF165;HCG14;				
20	chr6	28956327	GABBR1	0.391254	2.202181	0.028992	0.914958
cg121031							
97	chr14	1.03E+08		0.406457	2.202513	0.028968	0.914884
cg107752							
29	chr10	88023052		0.252158	2.200016	0.029148	0.915039
cg070192							
43	chr6	33167661		-0.21256	-2.20116	0.029065	0.915039
cg168790							
52	chr1	1.6E+08		0.197234	2.19851	0.029257	0.915039
cg067409							
86	chr1	1.85E+08		0.307062	2.204086	0.028855	0.914864
cg013561							
15	chr16	1614807		0.274625	2.200758	0.029095	0.915039
cg190062							
20	chr2	4050719		-0.37685	-2.19807	0.029289	0.915039
cg178552							
64	chr15	37180636		0.437504	2.202774	0.028949	0.914884
cg012307							
96	chr6	25652698		0.284295	2.203976	0.028863	0.914864
cg133127							
02	chr7	4721531		-0.34313	-2.20218	0.028993	0.914958
cg259284							
48	chr3	49894138		-0.146	-2.19654	0.0294	0.915039
cg101653							
31	chr14	61116900		-0.23188	-2.20011	0.029142	0.915039
cg133348							
19	chr7	99746414		-0.15423	-2.20465	0.028815	0.914857
cg258460							
61	chr2	2.36E+08		0.303993	2.198442	0.029262	0.915039

cg259691							
08	chr19	35605636		-0.28027	-2.19896	0.029224	0.915039
cg186702							
35	chr7	1.01E+08		-0.33349	-2.19724	0.029349	0.915039
cg158060							
38	chr2	3601756		-0.26884	-2.19987	0.029159	0.915039
cg139505							
58	chr19	45683263		0.245439	2.197257	0.029348	0.915039
cg034822							
21	chr2	1.06E+08		0.421205	2.20059	0.029107	0.915039
cg173826							
29	chr19	10169503		-0.33191	-2.19707	0.029362	0.915039
cg269709							
83	chr6	30115028		-0.2712	-2.20035	0.029124	0.915039
cg033125							
87	chr16	6844322		-0.48637	-2.19941	0.029192	0.915039
cg268319							
62	chr9	1.4E+08		-0.1935	-2.20178	0.029021	0.915039
cg155280							
81	chr14	74486154 PTGR2		-0.1775	-2.19712	0.029358	0.915039

			TRIM14;TBC1D2; TMOD1;FOXE1;A				
cg144916							
67	chr9	1E+08 NKRD18CP		-0.26731	-2.19633	0.029416	0.915039
cg023361							
75	chr8	81786862		0.246127	2.197957	0.029297	0.915039
cg220791							
95	chr2	1.01E+08		0.369336	2.201593	0.029034	0.915039
cg017510							
47	chr16	89258141		-0.24096	-2.19964	0.029175	0.915039
cg139846							
23	chr9	1.29E+08		-0.16944	-2.19631	0.029417	0.915039

			IL12RB1;JAK3;FC HO1;FAM129C;				
cg268173							
71	chr19	17462455 MAST3		-0.32427	-2.19709	0.02936	0.915039
cg164137							
77	chr17	48555933		-0.27318	-2.19917	0.029209	0.915039
cg218338							
41	chr3	36868879		0.226556	2.200997	0.029077	0.915039
cg083443							
60	chr9	34701049		0.179544	2.199744	0.029168	0.915039
cg085316							
23	chr16	969293 NME4		-0.26038	-2.19786	0.029305	0.915039
cg015577							
98	chr1	2.28E+08		0.267831	2.196136	0.02943	0.915039
cg195164							
57	chr12	72667707		0.296284	2.198623	0.029249	0.915039

cg008137							
52	chr14	93389146		0.384126	2.198377	0.029267	0.915039
			SLC46A1;LYRM9; SUPT6H;MYO18 A;TNFAIP1;IFT20 ;ENSG00000263				
cg094808							
99	chr17	26735428 368		0.437201	2.196933	0.029372	0.915039
cg038761							
74	chr6	33378508		-0.18844	-2.20129	0.029056	0.915039
cg251900							
94	chr1	9321735 RERE		-0.25459	-2.19776	0.029311	0.915039
cg256580							
10	chr10	1.12E+08 RBM20		-0.26165	-2.19958	0.02918	0.915039
cg146811							
76	chr17	79872369		-0.26718	-2.20012	0.029141	0.915039
cg155622							
20	chr6	25652395 HIST1H3C		0.317195	2.196761	0.029384	0.915039
cg108421							
41	chr10	23489232		0.335602	2.195644	0.029466	0.915119
cg158296							
42	chr5	1.41E+08		0.414616	2.199985	0.02915	0.915039
cg160992			CASC2;ENO4;EN				
10	chr10	1.19E+08 SG00000225302		0.280488	2.198653	0.029247	0.915039
cg106135							
46	chr7	1.58E+08		-0.26261	-2.20232	0.028982	0.914884
cg185518							
22	chr6	2110875 FOXQ1		0.433335	2.199829	0.029162	0.915039
cg047476							
78	chr19	45805662 NOVA2		0.240183	2.20325	0.028915	0.914884
cg021229							
37	chr10	352668		0.232159	2.198233	0.029277	0.915039
cg166014							
15	chr19	10942243		-0.1626	-2.20286	0.028944	0.914884
cg117196							
35	chr14	24605257		-0.15501	-2.19866	0.029246	0.915039
cg012345							
63	chr18	75998230		-0.14482	-2.20097	0.029079	0.915039
cg090183							
99	chr8	70745926		-0.36058	-2.19731	0.029344	0.915039
cg009405							
60	chr8	30002079 RBPMS		0.305276	2.203189	0.02892	0.914884
cg060124							
83	chr16	86388853		-0.30294	-2.19565	0.029465	0.915119
cg016369							
25	chr11	47270344		-0.19021	-2.19838	0.029267	0.915039

cg161232							
02	chr7	1287145	0.33463	2.199784	0.029165	0.915039	
cg273260							
62	chr3	1.09E+08	0.669491	2.207584	0.028606	0.914619	
cg026709							
03	chr15	69325340 NOX5	0.409169	2.20189	0.029013	0.915039	
cg092754							
27	chr22	30824776 DRG1	-0.20895	-2.19357	0.029617	0.915341	
cg117882							
34	chr13	29393811	0.329627	2.198356	0.029268	0.915039	
cg134964							
81	chr9	5837144	0.268787	2.195956	0.029443	0.915048	
cg019077							
61	chr5	1.48E+08 SPINK5	0.3256	2.19755	0.029327	0.915039	
cg098480							
96	chr10	1.19E+08	0.168621	2.202393	0.028977	0.914884	
cg237613							
32	chr2	2.08E+08	0.206188	2.199296	0.0292	0.915039	
cg026490							
63	chr16	55794731 CES1P1	0.737442	2.195424	0.029482	0.915119	
cg067044							
69	chr6	89888334	-0.20218	-2.201	0.029077	0.915039	
cg000970							
20	chr13	64386020	-0.4387	-2.19785	0.029305	0.915039	
cg054696		ENSG000002058					
14	chr16	3142818 90;CLUAP1	-0.21785	-2.20132	0.029054	0.915039	
cg165747							
37	chr5	1.41E+08	0.473114	2.19507	0.029507	0.915194	
cg232170							
97	chr14	42074635	0.271327	2.195978	0.029441	0.915048	
cg170174							
04	chr11	44329245	-0.25657	-2.19883	0.029234	0.915039	
cg056415							
29	chr4	1E+08 ADH6;ADH1B	0.414585	2.198201	0.02928	0.915039	
cg003860							
35	chr6	1.66E+08	-0.30673	-2.19325	0.029641	0.915341	
cg239948							
88	chr1	6052642	-0.22493	-2.19669	0.02939	0.915039	
cg274312							
74	chr12	1.08E+08	-0.24789	-2.19531	0.02949	0.915119	
cg011260							
95	chr5	1.54E+08	0.246259	2.197346	0.029342	0.915039	
cg050293							
12	chr4	22476976 GPR125	-0.39379	-2.20064	0.029103	0.915039	
cg178052							
91	chr10	1.03E+08	-0.24372	-2.19759	0.029324	0.915039	
cg269926							
00	chr14	37054509	0.353828	2.19914	0.029212	0.915039	

cg210996							
24	chr6	43737749		-0.15824	-2.2009	0.029084	0.915039
cg211177							
68	chr2	85829779		0.122658	2.197441	0.029335	0.915039
cg184902							
69	chr7	1849928		0.301107	2.200301	0.029128	0.915039
cg012554							
14	chr3	1.92E+08		0.312398	2.194767	0.02953	0.915339
cg056252			CRTAP;FBXL2;EN				
84	chr3	32509105	SG000000261572	0.306649	2.19622	0.029424	0.915039
cg061267							
43	chr4	1.85E+08		-0.29252	-2.19828	0.029274	0.915039
cg097920							
00	chr12	47225979		0.333306	2.198159	0.029283	0.915039
cg115994							
14	chr15	65399621		-0.30303	-2.19935	0.029196	0.915039
cg024846							
73	chr16	87674713		-0.24637	-2.19648	0.029405	0.915039
cg055669							
65	chr22	18256588		-0.18403	-2.2006	0.029106	0.915039
cg110831							
57	chr1	89523325		0.410701	2.198702	0.029243	0.915039
cg180252							
40	chr6	31707490		-0.14429	-2.19743	0.029335	0.915039
cg172916							
25	chr16	236080		-0.14787	-2.20119	0.029064	0.915039
cg080049							
06	chr3	1.86E+08		0.1845	2.201263	0.029058	0.915039
cg240461							
25	chr2	74709203		0.189689	2.20046	0.029116	0.915039
cg010777							
13	chr11	18978157		-0.20728	-2.19695	0.02937	0.915039
cg061217							
72	chr4	1.89E+08		0.168265	2.201082	0.029071	0.915039
cg110510							
55	chr8	11058145		0.344919	2.197066	0.029362	0.915039
cg074594							
78	chr7	55589803	ZNF713	0.281663	2.195413	0.029482	0.915119
cg030916							
68	chr22	24903402	GGT5	-0.32135	-2.19747	0.029333	0.915039
cg046883			GAPDHP49;KCNE				
51	chr2	2.23E+08	4	0.314336	2.195653	0.029465	0.915119
cg133410							
31	chr15	57207762		0.309857	2.198495	0.029258	0.915039
cg005665							
16	chr7	1.29E+08		0.282777	2.196496	0.029403	0.915039

cg069088							
06	chr20	42136129		0.232172	2.199179	0.029209	0.915039
cg150371							
10	chr20	44718688		-0.15084	-2.19959	0.029179	0.915039
cg219365							
50	chr7	72992722		-0.21115	-2.19674	0.029386	0.915039
cg063351							
43	chr1	53308654		0.278299	2.200022	0.029148	0.915039
cg210297							
69	chr11	1.3E+08		-0.19747	-2.19889	0.02923	0.915039
cg185009							
88	chr4	54959708		0.208755	2.19806	0.02929	0.915039
cg228463							
95	chr6	8060139		-0.26793	-2.20265	0.028958	0.914884
cg266756							
54	chr7	1269693	PDGFA	0.249405	2.198507	0.029257	0.915039
cg047720			ENSG000002505				
25	chr11	68637568	08	0.608067	2.196045	0.029436	0.915048
cg019218							
18	chr13	1.14E+08		-0.21565	-2.1971	0.02936	0.915039
cg203228							
37	chr11	57005876	UBE2L6	-0.30587	-2.1931	0.029652	0.915341
cg184412							
95	chr11	16627632		-0.24057	-2.19789	0.029302	0.915039
cg118070							
40	chr13	51568067		0.333194	2.196395	0.029411	0.915039
cg029979			ENSG000002684				
83	chr19	21646781	16	0.450273	2.196979	0.029368	0.915039
cg121898							
35	chr11	61335071		0.215855	2.196032	0.029437	0.915048
cg115481							
91	chr2	4931898		-0.26344	-2.19694	0.029371	0.915039
cg257778							
18	chr7	1.57E+08		-0.29147	-2.19373	0.029605	0.915341
cg038339							
82	chr12	685403		-0.20362	-2.19646	0.029406	0.915039
cg129873							
12	chr3	1.43E+08		0.355163	2.200607	0.029106	0.915039
cg206431							
59	chr12	66820796		-0.25375	-2.19705	0.029363	0.915039
cg088495							
09	chr11	9837208	ADM;C11orf16	-0.38187	-2.19647	0.029405	0.915039
cg212008							
41	chr4	1.03E+08		-0.21475	-2.1961	0.029432	0.915048
cg117974							
85	chr15	69107085		-0.26753	-2.19471	0.029534	0.915339
cg122870							
25	chr11	44087605		0.138688	2.197519	0.029329	0.915039
cg115806							
15	chr10	1.28E+08		0.315033	2.200366	0.029123	0.915039



cg166015							
15	chr22	39190328		0.117529	2.196659	0.029392	0.915039
cg069537							
73	chr5	1.5E+08 ZNF300P1		0.336482	2.201525	0.029039	0.915039
cg020182							
91	chr17	65487462		-0.32857	-2.19446	0.029552	0.915341
cg269103							
84	chr1	1103312		0.188309	2.194082	0.02958	0.915341
cg140583							
59	chr19	16610600		0.294946	2.194853	0.029523	0.915339
cg111007							
98	chr4	1.09E+08		-0.23633	-2.19691	0.029374	0.915039
cg177202							
33	chr1	1.51E+08 THEM4;POGZ		-0.1722	-2.19348	0.029623	0.915341
cg163307							
86	chr2	75326898		-0.22574	-2.19712	0.029358	0.915039
cg251957							
95	chr10	21807252		-0.31475	-2.1954	0.029483	0.915119
cg160806							
54	chr17	43176852 MAP3K14;FZD2		0.257634	2.195691	0.029462	0.915119
cg078042							
60	chr11	2397977		0.232476	2.192546	0.029692	0.915341
cg217479							
58	chr19	58740255		0.172735	2.194325	0.029562	0.915341
cg174022							
94	chr10	93058376		0.363015	2.19351	0.029622	0.915341
cg247033							
36	chr12	5257426 VWF;ANO2		-0.37533	-2.19615	0.029428	0.915039
cg241974							
77	chr1	2.03E+08		0.338727	2.195594	0.029469	0.915119
cg196734							
18	chr6	31600630 C4A		0.278969	2.196464	0.029406	0.915039
cg108519							
92	chr17	40169183		-0.20814	-2.19968	0.029173	0.915039
cg251192							
61	chr6	33081351		-0.24844	-2.19737	0.02934	0.915039
cg172869							
85	chr7	95945241		-0.31145	-2.19616	0.029428	0.915039
cg235596							
80	chr8	28747299		0.223989	2.195344	0.029487	0.915119
cg235764							
73	chr17	47785586		-0.24763	-2.198	0.029294	0.915039
cg094542							
30	chr6	1.66E+08		-0.31809	-2.19433	0.029562	0.915341
cg165999							
01	chr7	1E+08		-0.15663	-2.19829	0.029273	0.915039
cg272526							
96	chr6	1.01E+08		0.407181	2.193088	0.029652	0.915341
cg175046							
41	chr10	44458167		-0.32078	-2.19467	0.029536	0.915341

cg005621							
51	chr22	30792888		-0.22823	-2.19652	0.029401	0.915039
cg107007							
18	chr8	1992719	ARHGEF10	0.35779	2.195813	0.029453	0.915119
			HLA-				
cg133756			F;OR2I1P;HCP5;				
28	chr6	30431584	HLA-E	-0.23419	-2.19965	0.029175	0.915039
cg088273							
07	chr8	38965014		0.429138	2.193307	0.029636	0.915341
ch.7.3273							
938R	chr7	1.55E+08		0.361199	2.195387	0.029484	0.915119
cg188602							
80	chr10	81679850		-0.29666	-2.19645	0.029407	0.915039
cg095413							
73	chr19	55919383		-0.18594	-2.19211	0.029725	0.915438
cg110297							
16	chr14	51891409	NID2	-0.2984	-2.19582	0.029452	0.915119
			SKI;CEP104;MOR				
cg167100			N1;ENSG000002				
99	chr1	3162173	69896	-0.28327	-2.19676	0.029384	0.915039
cg007207							
64	chr2	1.5E+08		0.171166	2.198619	0.029249	0.915039
cg077574							
97	chr1	2.36E+08		0.208416	2.192856	0.02967	0.915341
cg249259							
45	chr11	20055434		-0.25126	-2.19522	0.029496	0.915194
cg041450			ENSG000002547				
25	chr11	519271	39	0.294701	2.194932	0.029518	0.915339
cg233473							
99	chr5	1.41E+08		0.378528	2.195148	0.029502	0.915194
			MYOZ3;ANXA6;P				
cg115904			DGFRB				
20	chr5	1.5E+08		0.307689	2.194103	0.029578	0.915341
cg057229							
81	chr4	1.12E+08		0.268921	2.196347	0.029414	0.915039
cg000264							
57	chr1	2E+08		0.320233	2.198736	0.029241	0.915039
			ENSG000002541				
cg245242			53;MFHAS1;TNK				
45	chr8	8537351	S	0.208283	2.194313	0.029563	0.915341
cg066059							
33	chr1	1.5E+08		0.254439	2.197971	0.029296	0.915039
cg081944							
05	chr10	3139449		-0.23032	-2.19708	0.029361	0.915039
cg062879							
27	chr16	67694967		0.136765	2.196542	0.0294	0.915039

cg216562			SYS1;SDC4;TOX2				
05	chr20	43439688	;DNTTIP1;PIGT	0.287514	2.194873	0.029522	0.915339
cg022010							
50	chr7	22759083		-0.29119	-2.19508	0.029506	0.915194
cg143612							
52	chr13	1.11E+08		0.66279	2.195553	0.029472	0.915119
cg268024							
95	chr5	14011620		-0.25756	-2.19421	0.029571	0.915341
cg067593							
09	chr6	1.4E+08	ABRACL	-0.2264	-2.19461	0.029541	0.915341
cg222208							
06	chr19	57337469		-0.26489	-2.19539	0.029484	0.915119
cg207141							
28	chr3	1.24E+08		-0.23193	-2.19548	0.029477	0.915119
cg123724							
77	chr20	57465915		-0.22628	-2.19393	0.029591	0.915341
cg057355			PI16;C6orf89;CP				
90	chr6	36627451	NE5	-0.28786	-2.2003	0.029127	0.915039
cg084502			TMEM176B;TME				
80	chr7	1.5E+08	M176A	0.249517	2.1967	0.029389	0.915039
cg245158			HIGD1B;NSF;LRR				
61	chr17	43922122	C37A4P;FMNL1; EFTUD2;ACBD4	-0.28274	-2.19291	0.029666	0.915341
cg124146							
53	chr12	8123380		0.198686	2.192732	0.029679	0.915341
cg219539							
05	chr22	49565499		-0.34297	-2.20226	0.028986	0.914897
cg105553							
07	chr5	11385520		0.34199	2.191742	0.029751	0.915611
cg028656							
75	chr6	1.68E+08		-0.20915	-2.19704	0.029364	0.915039
cg022325			GALNS;SLC7A5;E				
29	chr16	88551191	7 NSG0000020503	0.242675	2.195092	0.029506	0.915194
cg154226							
85	chr3	62356774		0.224891	2.192315	0.029709	0.915341
cg018810			HES2;CAMTA1;IC				
62	chr1	6660403	MT	-0.32649	-2.19623	0.029423	0.915039
cg243834							
67	chr11	11893602		0.315622	2.193308	0.029636	0.915341

cg033499						
53	chr5	1.41E+08	0.317671	2.195902	0.029447	0.915105
cg194889						
06	chr6	1.62E+08	-0.22347	-2.19348	0.029624	0.915341
cg004571						
15	chr14	1.02E+08	0.284684	2.192844	0.02967	0.915341
cg176336						
83	chr5	1225331	0.329723	2.191722	0.029753	0.915611
cg147261		C1QTNF1;CYTH1				
17	chr17	77761133 ;TIMP2;CBX2	-0.26421	-2.19258	0.02969	0.915341
cg192962						
58	chr17	78878799	-0.25655	-2.19229	0.029711	0.915341
cg236587						
09	chr6	38120185	-0.20446	-2.19773	0.029314	0.915039
cg075577						
07	chr19	58549711 ZNF324B	-0.55221	-2.19214	0.029722	0.915438
cg230453						
73	chr8	11324048	-0.21291	-2.19379	0.029601	0.915341
cg016419						
30	chr12	1.22E+08	0.229066	2.191484	0.02977	0.915837
cg163182						
53	chr18	75377474	-0.3271	-2.19981	0.029163	0.915039
cg245048						
54	chr7	195679	-0.21396	-2.20429	0.028841	0.914857
cg129953						
30	chr4	3413039	-0.45698	-2.19114	0.029796	0.916033
cg241616						
52	chr6	50813859	0.296774	2.192341	0.029707	0.915341
cg066361						
95	chr2	1.1E+08	-0.31455	-2.19345	0.029626	0.915341
cg072447						
16	chr16	85122186	0.18322	2.192678	0.029683	0.915341
cg247850						
67	chr18	19929052 MIR133A1	-0.26513	-2.19479	0.029528	0.915339
cg131399						
98	chr3	51740201	-0.14878	-2.19475	0.029531	0.915339
cg016771						
42	chr15	28260052	-0.35976	-2.19531	0.02949	0.915119
cg108220						
34	chr11	10529596	0.272919	2.193395	0.02963	0.915341
cg115599						
52	chr10	1.12E+08 RBM20	-0.16804	-2.19382	0.029599	0.915341
cg117036						
83	chr5	643469	-0.2882	-2.19423	0.029569	0.915341
cg002079						
39	chr2	1.51E+08	0.295537	2.193335	0.029634	0.915341
cg251377						
87	chr1	2863815	-0.34314	-2.19799	0.029295	0.915039

cg073017							
95	chr5	1.57E+08		0.261144	2.193126	0.02965	0.915341
cg071391							
62	chr16	70465351		-0.31714	-2.19273	0.029679	0.915341
cg203072			ENSG000002318				
92	chr2	98858595	22	-0.34438	-2.19517	0.0295	0.915194
cg022024							
83	chr14	67804956		-0.32833	-2.19651	0.029402	0.915039
cg217747							
36	chr1	42846470	CCDC30	-0.16429	-2.19245	0.029699	0.915341
cg134789							
28	chr1	75596724		0.224963	2.197747	0.029313	0.915039
cg037719							
39	chr10	96161916		0.326666	2.195125	0.029503	0.915194
cg249317							
13	chr8	1076811		-0.25775	-2.19229	0.029711	0.915341
cg155599							
40	chr13	1.01E+08		0.275424	2.193259	0.02964	0.915341
cg260337							
75	chr22	30752543		-0.16815	-2.19156	0.029765	0.915734
cg221683							
21	chr6	17987573		0.218808	2.194339	0.029561	0.915341
cg247061							
88	chr8	55088456		-0.22171	-2.19533	0.029489	0.915119
cg095182							
19	chr7	5429428		-0.22504	-2.19128	0.029785	0.915907
cg256211							
84	chr12	1.21E+08		-0.2169	-2.19683	0.029379	0.915039
cg130632							
07	chr8	1442292		-0.26327	-2.19076	0.029824	0.916363
cg096618							
09	chr11	74953082		0.174327	2.195959	0.029443	0.915048
cg086801							
46	chr11	45307938		0.215213	2.193655	0.029611	0.915341
cg132755							
15	chr12	95702491		0.39678	2.192039	0.029729	0.915438
cg196734							
80	chr8	58120465		0.234596	2.197916	0.0293	0.915039
cg085830							
49	chr15	60296815		0.257707	2.193955	0.029589	0.915341
cg173040							
84	chr8	22133356		0.298136	2.190383	0.029851	0.916519
cg207045							
55	chr7	28127748		-0.30714	-2.19418	0.029573	0.915341
cg110969							
05	chr17	63535567	AXIN2	0.240571	2.197041	0.029364	0.915039
cg213583							
43	chr6	33263960		-0.20691	-2.19374	0.029605	0.915341
cg215512							
53	chr12	1.31E+08	GPR133	0.295041	2.196144	0.029429	0.915039

cg253065							
84	chr1	1.57E+08		0.389716	2.191194	0.029792	0.916032
cg012931							
43	chr20	62688326		-0.15896	-2.19265	0.029685	0.915341
ch.18.486			ENSG000002665				
455F	chr18	23949690	49	0.441211	2.190315	0.029856	0.916519
cg031433							
33	chr18	47793599		0.303243	2.192943	0.029663	0.915341
cg115224							
93	chr1	14149815		-0.36351	-2.18998	0.029881	0.916687
cg263081							
33	chr19	8809360		0.295061	2.192687	0.029682	0.915341
cg022117							
35	chr11	5142602		-0.3711	-2.19105	0.029802	0.91609
cg275798							
54	chr17	80818992		0.345469	2.19297	0.029661	0.915341
cg049586							
58	chr20	35421865	SOGA1	-0.27736	-2.1928	0.029673	0.915341
cg127655							
18	chr12	21810762		0.142431	2.191863	0.029742	0.915506
cg067977							
34	chr11	1.23E+08		-0.4405	-2.20283	0.028946	0.914884
cg204603							
88	chr12	44182236		-0.19006	-2.18988	0.029888	0.916687
cg187455							
66	chr19	1725696		-0.24089	-2.19395	0.029589	0.915341
cg128998							
42	chr2	32390937		0.253117	2.191936	0.029737	0.915463
ch.1.1391							
820F	chr1	45213534		-0.29937	-2.19809	0.029288	0.915039
cg132357							
61	chr1	2.04E+08		0.214093	2.19324	0.029641	0.915341
cg179327							
26	chr1	33647449		-0.1635	-2.19454	0.029546	0.915341
cg137511							
88	chr11	1.21E+08		0.334584	2.196895	0.029374	0.915039
cg085973			ENSG000002696				
45	chr19	18124823	40;JAK3	0.237291	2.192546	0.029692	0.915341
cg053060							
40	chr4	78979207		-0.16417	-2.19231	0.029709	0.915341
cg022003							
89	chr13	99091924		-0.28678	-2.19278	0.029675	0.915341
cg203021							
33	chr1	1.11E+08		0.233974	2.192835	0.029671	0.915341
cg272981							
64	chr17	76986589		-0.27111	-2.18966	0.029905	0.916687
ch.6.1690							
08488F	chr6	1.69E+08	SMOC2	-0.39514	-2.19449	0.02955	0.915341

cg140197							
57	chr17	67231728		0.320073	2.197877	0.029303	0.915039
cg035038							
71	chr16	30616011		0.337365	2.19018	0.029866	0.916687
cg062047							
35	chr14	74892986		0.243885	2.192645	0.029685	0.915341
cg215713							
39	chr14	86001111		0.36404	2.189796	0.029895	0.916687
cg057930							
20	chr20	43374889	WFDC6;EPPIN	-0.20999	-2.19116	0.029794	0.916033
cg010770							
85	chr5	1.26E+08		0.118561	2.188119	0.030019	0.916876
cg275641							
37	chr10	43883011		0.229552	2.19232	0.029709	0.915341
cg107782							
71	chr6	64283102		0.218923	2.189537	0.029914	0.916707
cg179765							
88	chr5	537510		0.261944	2.188615	0.029982	0.916876
cg109629							
30	chr5	1.8E+08		-0.18801	-2.19232	0.029709	0.915341
cg149375							
43	chr3	20081518		-0.18163	-2.19736	0.02934	0.915039
cg146121							
33	chr5	14406585		0.246763	2.191437	0.029774	0.91585
cg140258							
31	chr20	3873404		-0.28774	-2.19389	0.029594	0.915341
cg216990							
44	chr8	65281689		0.22035	2.189171	0.029941	0.916864
cg126245							
23	chr6	24489770	GPLD1;ALDH5A1	0.393386	2.194358	0.029559	0.915341
cg056698							
32	chr2	37545562		0.296299	2.191715	0.029753	0.915611
cg085699							
92	chr2	1.29E+08		-0.25218	-2.19485	0.029524	0.915339
cg064625							
43	chr2	8842442	CPSF3	0.273518	2.188749	0.029972	0.916876
cg140551							
93	chr9	1.4E+08		-0.21879	-2.18899	0.029954	0.916876
cg037850							
65	chr3	1.81E+08		0.134984	2.18921	0.029938	0.916864
cg171881							
47	chr3	48699373		0.206602	2.19205	0.029729	0.915438
cg073492							
17	chr8	1.34E+08		-0.27494	-2.19105	0.029802	0.91609
cg246241							
73	chr11	64329701		-0.20875	-2.1957	0.029461	0.915119
cg095570							
34	chr7	11872059		0.406486	2.191671	0.029757	0.915611
cg078004							
98	chr8	2244943		0.212446	2.192286	0.029711	0.915341

cg275830							
88	chr1	1.83E+08	ARPC5	-0.22183	-2.19069	0.029829	0.916363
cg195494							
69	chr12	45668950		0.230671	2.189728	0.0299	0.916687
cg137242							
88	chr9	79791919		-0.21209	-2.18842	0.029996	0.916876
cg226275							
70	chr13	23501397		0.348397	2.191317	0.029783	0.915885
cg133235							
53	chr7	63018494		-0.24889	-2.18676	0.030119	0.916987
cg079184							
58	chr16	68562839		-0.18206	-2.19262	0.029686	0.915341
cg009983							
72	chr2	1.05E+08		0.255573	2.188449	0.029994	0.916876
cg195574							
07	chr11	1.3E+08		0.22983	2.190346	0.029854	0.916519
cg171567							
43	chr6	28603171		0.255193	2.19233	0.029708	0.915341
cg183566							
83	chr7	1.39E+08		-0.22918	-2.19008	0.029874	0.916687
cg246175							
68	chr7	89748647		0.281469	2.189278	0.029933	0.916864
cg013569							
50	chr2	1.76E+08		0.233919	2.188197	0.030013	0.916876

			BPIFA1;KIF3B;BP IFB9P;CBFA2T2; COMMD7;BPIFB				
cg118469							
68	chr20	31823545	1	0.385581	2.189099	0.029946	0.916876
cg267611							
10	chr12	1.12E+08		0.278973	2.192326	0.029708	0.915341
cg050834							
96	chr7	45961849		-0.43327	-2.18712	0.030093	0.916987
cg194765							
97	chr18	47794792		0.352624	2.188755	0.029972	0.916876
cg063687							
60	chr2	2.37E+08		0.278568	2.187553	0.030061	0.916987
cg147802							
55	chr1	2.02E+08	PTPN7	-0.28465	-2.19204	0.029729	0.915438
cg128098							
42	chr3	1.96E+08		-0.26382	-2.18967	0.029904	0.916687
cg030404							
89	chr11	69463323		-0.17676	-2.19476	0.02953	0.915339
cg142947							
08	chr9	37120828		-0.50048	-2.20795	0.02858	0.914584
cg046379							
61	chr16	87499977		0.271072	2.188793	0.029969	0.916876
cg176971							
05	chr20	5170968		-0.19914	-2.1927	0.029681	0.915341



cg064321							
19	chr11	281516		0.416577	2.187519	0.030063	0.916987
cg019218							
45	chr14	1.05E+08		0.733438	2.194714	0.029533	0.915339
cg228128							
74	chr7	1.51E+08		-0.21519	-2.18893	0.029959	0.916876
cg259525							
43	chr19	44598268		0.215598	2.19281	0.029673	0.915341
cg087828							
97	chr15	41624872		-0.12622	-2.19454	0.029547	0.915341
cg018823			KANSL1;CRHR1-				
95	chr17	43717810	IT1	-0.33779	-2.18949	0.029918	0.916707
cg017350							
49	chr16	9187613		0.31795	2.18868	0.029977	0.916876
cg124898							
46	chr6	1.5E+08		-0.16052	-2.19743	0.029335	0.915039
cg142544			PSMA5;KCNC4;L				
19	chr1	1.1E+08	AMTOR5	0.289123	2.191339	0.029781	0.915885
cg151307							
88	chr1	93913424		0.282451	2.18836	0.030001	0.916876
cg142065							
16	chr1	1.75E+08	RABGAP1L;TNN	0.277602	2.190122	0.029871	0.916687
cg181181							
64	chr5	1.07E+08		-0.32049	-2.18969	0.029902	0.916687
cg088393			CNTNAP1;STAT5				
74	chr17	40667014	B	0.290343	2.189195	0.029939	0.916864
cg063423							
17	chr2	1.21E+08		0.208967	2.194129	0.029576	0.915341
cg270105							
76	chr16	21964792	CDR2	-0.1903	-2.19061	0.029835	0.916363
cg072972							
42	chr2	1.67E+08		0.36768	2.190051	0.029876	0.916687
cg024514							
43	chr17	75052257		0.295454	2.185358	0.030224	0.917256
cg218176							
68	chr1	1.98E+08		-0.29515	-2.18634	0.030151	0.916987
cg218573							
63	chr20	10199473		-0.23105	-2.18893	0.029959	0.916876
cg095996							
53	chr13	50202013		0.22449	2.187713	0.030049	0.916987
ch.10.174							
8644R	chr10	82630622		0.25697	2.18755	0.030061	0.916987
cg240089							
01	chr12	13715497		-0.22345	-2.18768	0.030051	0.916987
cg206845							
14	chr6	1.7E+08		-0.28015	-2.19327	0.029639	0.915341
cg045922							
01	chr17	75557105		0.202779	2.189326	0.029929	0.916864

cg207370						
28	chr11	1.26E+08	CDON	-0.35996	-2.18777	0.030045 0.916987
cg129910						
50	chr5	87979504		0.330826	2.18977	0.029897 0.916687
cg264541						
91	chr2	1.91E+08		-0.19641	-2.19066	0.029831 0.916363
cg189031						
34	chr18	21021128		-0.22941	-2.19191	0.029739 0.915463
cg052990						
77	chr2	2.34E+08	INPP5D	0.325097	2.189688	0.029903 0.916687
cg122313						
73	chr6	36628103		0.376479	2.188166	0.030015 0.916876
cg038533						
28	chr1	3550260		-0.26779	-2.18822	0.030011 0.916876
cg176770						
30	chr2	50575069		0.363503	2.188323	0.030004 0.916876
cg017329						
84	chr13	48575859		0.260867	2.18981	0.029894 0.916687
cg015171						
48	chr12	72683827		-0.30058	-2.18734	0.030077 0.916987
cg005531						
07	chr9	1.32E+08		0.191976	2.188093	0.030021 0.916876
cg212441						
35	chr8	1914262	CSMD1	-0.32316	-2.18691	0.030109 0.916987
cg207839						
56	chr4	1.89E+08		-0.37441	-2.1856	0.030206 0.917256
cg149919						
84	chr1	99470129		0.335272	2.185299	0.030228 0.917256
cg017132						
72	chr18	12911711		0.22751	2.193789	0.029601 0.915341
cg173265						
97	chr14	59810637		0.282085	2.188988	0.029955 0.916876
cg023973						
68	chr5	2564206		-0.38885	-2.1892	0.029939 0.916864
cg060875						
37	chr9	36401074		-0.17724	-2.18981	0.029894 0.916687
cg261385						
00	chr7	1.58E+08		-0.62732	-2.18725	0.030083 0.916987
cg193286						
40	chr20	2454070		0.322049	2.190743	0.029825 0.916363
cg095176						
28	chr13	79980691		-0.18354	-2.18933	0.029929 0.916864
cg233970			ZNF783;RARRES			
23	chr7	1.49E+08	2	0.25369	2.186462	0.030142 0.916987
cg069110						
84	chr7	96652894		0.259341	2.18688	0.030111 0.916987
cg242095						
28	chr2	45239493	SIX2	0.387857	2.186666	0.030127 0.916987
cg233656						
66	chr5	1.5E+08		0.20943	2.19031	0.029857 0.916519

cg261714							
89	chr15	92459303	0.38388	2.191391	0.029777	0.91585	
cg217155							
99	chr15	92463554	0.268254	2.190926	0.029811	0.916245	
cg126662							
63	chr10	15001131	0.304019	2.19229	0.029711	0.915341	
cg106760							
84	chr15	27017560	0.448492	2.190484	0.029844	0.916519	
cg076227							
48	chr5	1.22E+08	0.210315	2.187865	0.030038	0.916987	
cg166958							
35	chr1	90460886	0.136327	2.188758	0.029972	0.916876	
cg098609							
21	chr1	45116241 PTCH2	0.203128	2.196969	0.029369	0.915039	
cg101897							
74	chr4	17578691 LAP3	-0.20897	-2.1862	0.030162	0.916987	
cg167126							
37	chr12	1.03E+08	0.247587	2.192428	0.029701	0.915341	
cg167245							
88	chr4	6107131	0.30398	2.189487	0.029918	0.916707	
cg042969							
03	chr1	1203256	0.236411	2.193454	0.029626	0.915341	
cg151397							
45	chr19	42927668	-0.19265	-2.18777	0.030045	0.916987	
cg202151							
12	chr17	43065055	0.248059	2.191409	0.029776	0.91585	
cg048699							
49	chr2	1.98E+08	-0.24825	-2.19621	0.029424	0.915039	
cg062550							
06	chr16	86653215 IRF8;ZCCHC14	-0.52316	-2.19568	0.029463	0.915119	
cg195254							
95	chr11	1521093	-0.37674	-2.18852	0.029989	0.916876	
ch.10.181							
390F	chr10	5940801	0.235542	2.189655	0.029905	0.916687	
cg248282							
53	chr11	1.34E+08	0.206418	2.190662	0.029831	0.916363	
cg150784							
79	chr14	20811808	-0.12595	-2.18595	0.03018	0.917043	
cg158890							
61	chr14	35184805	-0.27655	-2.1886	0.029983	0.916876	
cg048521							
48	chr13	1.14E+08	-0.2394	-2.18823	0.030011	0.916876	
cg171507							
72	chr7	1.3E+08	-0.2249	-2.18908	0.029947	0.916876	
cg103897							
71	chr1	1.57E+08	0.291186	2.19413	0.029576	0.915341	
cg197723							
99	chr11	1.34E+08	0.171605	2.19068	0.02983	0.916363	
cg199962							
21	chr15	73893431	-0.34777	-2.18658	0.030133	0.916987	

			FHAD1;DNAJC16 ;ENSG00000228140;RSG1;KAZN; NECAP2;ENSG0000233421;ENS G00000237301; ARHGEF19;CLCN KA;FBLIM1;CRO CCP3;CLCNKB;HS PB7;DDI2;ANO7				
cg100902							
41	chr1	15932434	P1	0.379357	2.189798	0.029895	0.916687
cg201264							
98	chr22	44208202		0.142298	2.187299	0.03008	0.916987
cg250791							
02	chr12	1.15E+08		0.301774	2.192002	0.029732	0.915455
cg110125							
57	chr14	70512583		-0.36838	-2.18585	0.030188	0.917188
cg269457							
15	chr10	96162066		0.281568	2.186307	0.030153	0.916987
cg204782							
61	chr17	79017421	BAIAP2	-0.29755	-2.19069	0.029829	0.916363
cg015789							
87	chr12	82152469		-0.35468	-2.18979	0.029895	0.916687
cg222721							
00	chr8	22069313		-0.22414	-2.18541	0.03022	0.917256
cg027081							
21	chr4	16670376		0.235852	2.188889	0.029962	0.916876
cg260693							
74	chr5	1.77E+08	COL23A1	0.289166	2.188898	0.029961	0.916876
cg119612							
75	chr2	1.31E+08		0.174521	2.187	0.030102	0.916987
cg020336							
69	chr17	78917019		-0.18219	-2.18801	0.030027	0.916887
cg073693							
63	chr12	32112103		-0.21081	-2.18691	0.030109	0.916987
cg042918							
42	chr10	1.32E+08	EBF3	0.218995	2.188936	0.029958	0.916876
cg210320							
58	chr14	77647957		0.271688	2.193382	0.029631	0.915341
cg119844							
63	chr19	40725596		-0.22842	-2.18947	0.029919	0.916707

cg082052							
63	chr5	1.12E+08		-0.23501	-2.18712	0.030093	0.916987
cg177289							
87	chr19	36485959		-0.12173	-2.18694	0.030106	0.916987
cg169862							
98	chr1	27324471	CD164L2;CEP85	-0.18178	-2.18413	0.030316	0.918271
cg049207							
73	chr17	59477846		-0.20914	-2.1862	0.030161	0.916987
cg125188							
98	chr10	23384664		-0.33392	-2.19061	0.029835	0.916363
cg273990							
31	chr4	37224078		-0.29744	-2.18625	0.030158	0.916987
cg102213							
91	chr6	29945726	OR211P	0.368774	2.184832	0.030263	0.917467
cg273428							
01	chr2	79387273		-0.26921	-2.18524	0.030233	0.917268
cg134437							
97	chr7	50133024		0.381895	2.184914	0.030257	0.917413
cg125804							
45	chr5	1.21E+08		0.439205	2.187639	0.030054	0.916987
cg165791							
58	chr5	1.41E+08		0.413444	2.192308	0.02971	0.915341
cg073502							
10	chr11	77180550		-0.30148	-2.18838	0.03	0.916876
cg034841							
60	chr17	34097398		0.253416	2.187514	0.030064	0.916987
cg029819			ENSG000002628				
92	chr6	70576168	03	0.410201	2.18594	0.030181	0.917043
cg002987							
96	chr8	1.08E+08		-0.17703	-2.18947	0.029919	0.916707

			FOXF1;FENDRR;E				
cg266576			NSG0000026260				
75	chr16	85575407	1;TLDC1	-0.23545	-2.18607	0.030171	0.917043
cg192438							
42	chr1	3058521	MEGF6	-0.24474	-2.18632	0.030153	0.916987
cg048781							
52	chr3	1.48E+08		0.285839	2.189619	0.029908	0.916702
cg183959							
88	chr10	1.21E+08		-0.15575	-2.19386	0.029596	0.915341
cg088704							
33	chr19	2900646		-0.21947	-2.18519	0.030237	0.917268
cg088928							
99	chr10	85955302		0.284426	2.186379	0.030148	0.916987
cg092208							
16	chr16	30546310		0.177945	2.187344	0.030076	0.916987
cg249081							
97	chr19	5714980		-0.31842	-2.18402	0.030324	0.918271

cg070668							
60	chr12	11932089	PRH2	0.543428	2.191934	0.029737	0.915463
cg017285			STX18;ENSG000				
07	chr4	3563357	00243894;ADD1	-0.22074	-2.18673	0.030122	0.916987
cg096193							
09	chr8	81084440		0.310813	2.192251	0.029714	0.915354
cg262835							
50	chr11	62623419		0.14181	2.185049	0.030247	0.917268
cg074642							
48	chr13	1.14E+08		0.328674	2.187368	0.030075	0.916987
cg176198							
23	chr8	37823475		0.320346	2.192046	0.029729	0.915438
cg114176							
53	chr22	24181212		0.147209	2.188394	0.029999	0.916876
cg119761							
93	chr13	1.14E+08		-0.19023	-2.18644	0.030143	0.916987
cg268498							
30	chr12	1.09E+08		0.252536	2.188481	0.029992	0.916876
cg056688							
94	chr19	12176107		0.29364	2.18683	0.030114	0.916987
cg007296							
56	chr7	98552702	RPS3AP26	-0.28467	-2.18756	0.03006	0.916987
cg244768							
42	chr12	72179582		-0.35434	-2.1905	0.029843	0.916519
cg140405							
32	chr9	1.37E+08		-0.26812	-2.19168	0.029756	0.915611
cg238806							
68	chr2	1.77E+08		0.330399	2.192897	0.029667	0.915341
cg010532			HES2;CAMTA1;T				
13	chr1	6694826	HAP3;CHD5	-0.29006	-2.18805	0.030024	0.916887
cg048086							
32	chr13	1.14E+08		-0.32457	-2.1897	0.029902	0.916687
cg216320			CA12;HERC1;ENS				
79	chr15	62938344	G00000261296;				
cg149111			ENSG000001661				
89	chr18	73140200	04;TPM1	-0.3528	-2.18532	0.030227	0.917256
cg023797							
24	chr16	1368007		0.254133	2.186863	0.030112	0.916987
cg155234							
63	chr5	1.51E+08		-0.32231	-2.18255	0.030434	0.918345

		ENSG000002670					
		74;MMP28;TAF1					
		5;CCL4;CCL5;MY					
cg085427							
15	chr17	34217960	O19	0.296514	2.186636	0.030129	0.916987
cg270304							
82	chr8	11539320		-0.21954	-2.18394	0.03033	0.918271
cg217454							
44	chr3	20227670		-0.17586	-2.1888	0.029968	0.916876
cg087745							
45	chr13	1.13E+08	F10	-0.30396	-2.18595	0.03018	0.917043
cg236517							
07	chr10	1.34E+08		-0.22936	-2.18667	0.030126	0.916987
cg034008							
08	chr1	1.01E+08		0.275165	2.186242	0.030158	0.916987
cg029977							
55	chr20	24449734		0.28039	2.185433	0.030218	0.917256
cg143986							
59	chr11	77705832		-0.15404	-2.18328	0.03038	0.918345
cg244386							
44	chr8	37823996		0.354038	2.183984	0.030327	0.918271
cg123510							
68	chr10	80126725		-0.25212	-2.18198	0.030477	0.918345
cg086081							
93	chr7	37960902		0.194498	2.182664	0.030426	0.918345
cg095794							
68	chr1	27659039		0.168552	2.193177	0.029646	0.915341
cg262726							
23	chr1	1.2E+08		0.239073	2.185323	0.030227	0.917256
cg038575							
02	chr15	90893396		0.253043	2.185375	0.030223	0.917256
cg222643							
17	chr22	47059014		0.251423	2.18217	0.030463	0.918345
cg270948							
56	chr19	41732589		0.375536	2.185113	0.030242	0.917268
cg053481							
88	chr21	45877268		-0.21373	-2.19157	0.029764	0.915734
cg147056							
43	chr3	1.84E+08		-0.25103	-2.1881	0.03002	0.916876
cg072175							
63	chr10	1149628		0.26402	2.188686	0.029977	0.916876
cg043644							
63	chr1	37498270		0.167523	2.181468	0.030515	0.918345
cg233805							
58	chr10	1.35E+08	FUOM;TTC40	0.309255	2.183999	0.030326	0.918271
cg236870							
58	chr7	1.56E+08		0.220919	2.186269	0.030156	0.916987
cg023300							
53	chr20	33292254	FAM83C	0.150419	2.185999	0.030176	0.917043

cg156631							
21	chr16	4898306		-0.20862	-2.18829	0.030006	0.916876
cg147944							
80	chr17	14367085		-0.27154	-2.18206	0.030471	0.918345
cg118546							
91	chr5	53362714		0.340263	2.183281	0.030379	0.918345
cg102846							
62	chr16	89008451		0.241033	2.185945	0.03018	0.917043
cg151315							
19	chr11	1.32E+08		-0.18236	-2.18176	0.030493	0.918345
cg210116							
16	chr2	1.77E+08		0.231977	2.187418	0.030071	0.916987
cg004542							
74	chr1	54200587		-0.40973	-2.18224	0.030457	0.918345
cg173392							
58	chr14	59655074	SCOCP1	-0.14675	-2.18727	0.030082	0.916987
cg033093							
47	chr19	1238234		0.203511	2.181649	0.030502	0.918345
cg117034							
70	chr6	99276280		0.225507	2.183399	0.03037	0.918345
cg228252							
30	chr20	57798303	SLMO2;PPP1R3D	0.204784	2.189229	0.029937	0.916864
cg180021							
16	chr13	53419596		0.303251	2.188292	0.030006	0.916876
cg137437							
36	chr9	35609853	CA9	0.181941	2.185189	0.030237	0.917268
cg244200							
93	chr11	6947085		0.300787	2.18298	0.030402	0.918345
cg253605							
18	chr12	4554623		-0.3351	-2.18194	0.03048	0.918345

cg016499			RBMS2;BAZ2A;S MARCC2;LRP1;A				
60	chr12	57410655	RHGEF25	-0.22205	-2.18685	0.030113	0.916987
cg088248							
95	chr13	1.15E+08		-0.27058	-2.18358	0.030357	0.918271
cg189177							
36	chr14	76961010		-0.30305	-2.18558	0.030208	0.917256
cg165334							
95	chr12	52431312		-0.20524	-2.18578	0.030192	0.917256
cg160793							
96	chr17	1957163		0.161692	2.186628	0.03013	0.916987

cg043325			ZNF382;ZFP82;Z NF529;ZNF568;Z				
34	chr19	37096487	NF527;ZNF566	0.318564	2.182082	0.030469	0.918345
cg241635							
63	chr15	1.01E+08	ALDH1A3	0.207346	2.185371	0.030223	0.917256



cg215531							
82	chr19	52956821	ZNF415	0.307816	2.185052	0.030247	0.917268
cg220143							
98	chr5	1.79E+08	GFPT2;ADAMTS2	-0.25549	-2.18337	0.030372	0.918345
cg138748							
17	chr3	1.41E+08		0.200896	2.187586	0.030058	0.916987
cg088897							
76	chr6	38105691	BTBD9;PIM1	0.293237	2.187142	0.030091	0.916987
cg269754							
76	chr12	1.33E+08		-0.31661	-2.1837	0.030348	0.918271
cg153643							
35	chr3	53925231		-0.22187	-2.188	0.030028	0.916887
cg034117							
65	chr8	1.43E+08		-0.13583	-2.18368	0.03035	0.918271
cg257341							
98	chr6	49670744		-0.32806	-2.18316	0.030388	0.918345
cg078014							
80	chr10	43725741		0.234114	2.181655	0.030501	0.918345
cg126977							
96	chr10	49954016		0.368314	2.183692	0.030349	0.918271
cg132737							
89	chr14	23388442		0.211684	2.183238	0.030383	0.918345
cg078132							
49	chr4	46392253		0.259348	2.183928	0.030331	0.918271
cg233455							
00	chr22	27053221		-0.12522	-2.18437	0.030298	0.918
cg092531							
50	chr3	43147928		0.268134	2.186858	0.030112	0.916987
cg196566							
86	chr17	80214549		0.206542	2.184739	0.03027	0.917612

			WDR45B;PCYT2; MAFG-				
cg027653							
63	chr17	80200741	AS1;METRNL	0.384539	2.189706	0.029901	0.916687
cg076242							
26	chr7	1.58E+08		0.249109	2.186356	0.03015	0.916987
cg170473							
11	chr8	28610801		-0.17563	-2.18318	0.030386	0.918345
cg263581							
05	chr5	1.56E+08		-0.23714	-2.1884	0.029998	0.916876
cg265770							
17	chr8	80523191		0.325621	2.18643	0.030144	0.916987
cg116692							
85	chr17	40558061		0.328402	2.184885	0.030259	0.917413
cg113518							
09	chr17	14213798		0.243678	2.182402	0.030445	0.918345
cg204367							
07	chr10	698162		-0.21233	-2.18642	0.030145	0.916987

cg043772							
89	chr17	78991965		0.183792	2.190368	0.029853	0.916519
cg141283							
16	chr17	20516917		-0.20419	-2.18178	0.030492	0.918345
cg249111							
13	chr19	23185714		0.316888	2.184367	0.030298	0.918
cg175689			BIK;ACO2;TTLL1;				
96	chr22	42828125	MCAT	0.387468	2.186838	0.030114	0.916987
cg048064							
47	chr3	1.37E+08		0.253759	2.185344	0.030225	0.917256
cg024474							
62	chr19	861071		-0.46084	-2.18543	0.030219	0.917256
cg152512							
12	chr17	36508330		0.144918	2.183319	0.030376	0.918345
cg238285							
95	chr10	52833610		-0.3294	-2.18795	0.030031	0.916929
cg048493							
78	chr12	72730618		-0.24394	-2.18243	0.030443	0.918345
cg188011							
97	chr3	1.22E+08		-0.25945	-2.18441	0.030295	0.918
cg190305							
97	chr19	49109846		-0.25647	-2.18298	0.030402	0.918345
cg230125							
91	chr3	73923792	CNTN3	-0.30819	-2.18397	0.030328	0.918271
cg049782							
43	chr16	23079562		-0.28633	-2.18492	0.030257	0.917413
cg231153							
90	chr6	45784526	RCAN2	0.375397	2.18016	0.030614	0.918621
cg062394							
78	chr2	11606277		-0.24081	-2.1825	0.030438	0.918345
cg065452							
68	chr8	9756974		0.341545	2.183529	0.030361	0.918271
cg120379							
94	chr14	21991255		0.204149	2.180186	0.030612	0.918621
cg175979							
01	chr7	39874082		0.369295	2.181064	0.030546	0.918471
cg059990							
49	chr17	46692859		0.214305	2.188556	0.029987	0.916876
cg016858							
43	chr2	1.29E+08		-0.21595	-2.18269	0.030424	0.918345
cg237064							
49	chr8	47046101		0.23215	2.183372	0.030372	0.918345
cg158819							
12	chr19	7745939		0.192872	2.183561	0.030358	0.918271
cg053839			FAM198A;ZNF66				
58	chr3	43914187	2	-0.24644	-2.18572	0.030197	0.917256
cg013140							
34	chr7	73867833		-0.188	-2.18554	0.03021	0.917256

cg121011							
08	chr3	1.96E+08		0.195124	2.183146	0.030389	0.918345
cg009023							
96	chr2	1.36E+08		0.323154	2.187727	0.030048	0.916987
cg093386							
45	chr13	51797139		-0.27574	-2.18373	0.030346	0.918271
cg126371							
06	chr6	78360341		0.344971	2.185466	0.030216	0.917256
cg171743							
70	chr2	1.53E+08		-0.30437	-2.1837	0.030348	0.918271
cg246220							
07	chr12	1.33E+08		-0.31797	-2.18278	0.030416	0.918345
cg114336							
29	chr6	1.37E+08		0.1937	2.184014	0.030324	0.918271
cg135969							
83	chr9	1.38E+08		-0.2729	-2.18101	0.03055	0.918471
cg262452							
06	chr11	34196023		-0.14173	-2.18693	0.030107	0.916987
cg259663							
00	chr6	1.69E+08 SMOC2		0.362227	2.181472	0.030515	0.918345
cg096248							
58	chr6	30132226 DHX16		-0.24418	-2.18132	0.030526	0.918345
cg041840							
42	chr11	62495761 FEN1;POLR2G		-0.14981	-2.18628	0.030155	0.916987
cg065794		ENSG0000002421					
81	chr7	1.05E+08 54		0.344281	2.181407	0.03052	0.918345
cg116738							
40	chr17	47092156 HOXB-AS2;HOXB4		0.389804	2.182996	0.030401	0.918345
cg171645							
13	chr19	2064075 SCAMP4;PCSK4;GAMT		0.313738	2.185103	0.030243	0.917268
cg225050							
75	chr8	27737223		0.54409	2.180916	0.030557	0.918483
cg138779							
15	chr19	58951672		-0.55853	-2.18363	0.030353	0.918271
cg012216							
23	chr19	14142963		-0.16526	-2.18224	0.030458	0.918345
cg110679							
07	chr12	49319500		0.310746	2.181178	0.030537	0.918456
cg144215							
82	chr1	3481668		-0.27256	-2.19101	0.029805	0.916118
cg263727							
65	chr10	1.32E+08		-0.28882	-2.17998	0.030627	0.918621
cg273845							
60	chr16	85699435		0.183349	2.182566	0.030433	0.918345
cg088797							
24	chr3	1.57E+08		-0.23221	-2.18515	0.030239	0.917268

		GPR17;LIMS2;M					
cg081688		YO7B;ENSG0000					
97	chr2	1.28E+08	0235128	0.345701	2.180516	0.030587	0.918621
cg077150							
41	chr7	99302981		-0.25635	-2.18371	0.030347	0.918271
cg223925							
01	chr1	22379010		0.177484	2.181281	0.030529	0.918345
cg240565							
67	chr8	18871909	CSGALNACT1	-0.25772	-2.1826	0.03043	0.918345
cg142672							
63	chr9	841436		-0.29024	-2.18207	0.03047	0.918345
cg049139							
79	chr3	1.58E+08	VEPH1	0.273614	2.181297	0.030528	0.918345
cg068242							
97	chr21	30391795		-0.21477	-2.18163	0.030503	0.918345
cg235470							
48	chr4	698616		-0.29383	-2.18252	0.030437	0.918345
cg059365							
16	chr5	1.15E+08		0.336648	2.185544	0.03021	0.917256
cg027356							
52	chr1	32226179		0.198052	2.183543	0.03036	0.918271
cg196542							
24	chr2	2.43E+08		-0.20737	-2.18633	0.030152	0.916987
cg037322		RPS6KA1;CEP85;					
63	chr1	26797145	FAM110D	0.297885	2.181782	0.030492	0.918345
cg163326							
10	chr15	74658547		-0.20318	-2.18334	0.030375	0.918345
cg123613							
56	chr1	2.01E+08		0.220536	2.181374	0.030522	0.918345
cg157247							
73	chr10	1.04E+08		-0.1675	-2.18362	0.030354	0.918271
cg198902							
77	chr15	58358384		0.251066	2.181467	0.030515	0.918345
ch.6.1416							
80342F	chr6	1.42E+08		0.290809	2.179793	0.030642	0.918621
cg021068							
50	chr6	85474093		0.50659	2.182977	0.030402	0.918345
cg259215							
63	chr22	21993211	P2RX6;IGLV1-44	-0.28567	-2.182	0.030476	0.918345
cg024643							
38	chr5	1.16E+08		0.201501	2.186581	0.030133	0.916987
cg132120							
80	chr14	95334807		-0.22129	-2.18272	0.030421	0.918345
cg208935							
32	chr3	1.25E+08		0.19252	2.182033	0.030473	0.918345
cg180799							
25	chr12	29873263		-0.27576	-2.1816	0.030505	0.918345

cg004362							
19	chr3	1.26E+08		-0.24255	-2.18191	0.030482	0.918345
cg269639							
76	chr16	57023483		0.152478	2.181439	0.030518	0.918345
cg007048							
69	chr13	1.14E+08		-0.4375	-2.18031	0.030602	0.918621
cg046200							
15	chr5	1.12E+08		-0.27366	-2.18441	0.030295	0.918
cg177587							
21	chr20	2451208		-0.26203	-2.18367	0.03035	0.918271
cg107149							
73	chr19	10172119		-0.26469	-2.17978	0.030642	0.918621
cg228086							
92	chr7	6193786		-0.44687	-2.18434	0.0303	0.918
SLC23A1;CYSTM							
cg228853			1;IK;TMEM173;N				
32	chr5	1.39E+08	RG2	0.264156	2.18047	0.03059	0.918621
cg086186							
20	chr12	52309094		0.256087	2.181108	0.030542	0.918456
cg083438							
81	chr6	28304075		0.196594	2.181263	0.030531	0.918345
cg082110							
28	chr10	1.1E+08		0.431164	2.177529	0.030813	0.919715
cg023753							
20	chr2	38978881		0.334345	2.18088	0.03056	0.9185
cg076996							
13	chr5	1.51E+08		-0.25518	-2.18286	0.030411	0.918345
cg012713							
76	chr12	65562963		0.243018	2.186152	0.030165	0.91702
PLEKHS1;ADRB1;							
cg163273			AFAP1L2				
38	chr10	1.16E+08		0.406739	2.18452	0.030287	0.917977
cg197944							
90	chr20	33412943		-0.26389	-2.18309	0.030394	0.918345
cg180633							
32	chr8	2212228		0.224367	2.180111	0.030618	0.918621
cg053078							
64	chr6	1.61E+08		-0.3346	-2.18065	0.030577	0.918621
cg239051							
64	chr17	46827513	SPOP	0.33091	2.185719	0.030197	0.917256
cg259253							
31	chr15	94774753		0.164858	2.178182	0.030763	0.919617
cg252829							
72	chr12	1.05E+08		0.339717	2.179786	0.030642	0.918621
cg097004							
07	chr20	49347891		0.152284	2.181835	0.030488	0.918345
cg023102							
73	chr3	44682165		-0.26312	-2.17954	0.030661	0.918691

cg006293			ENSG000002317				
95	chr6	46821624	69	0.261106	2.181009	0.03055	0.918471
cg081824							
07	chr18	76754961		-0.30753	-2.18184	0.030487	0.918345
cg199037							
66	chr19	36049672		0.299516	2.181453	0.030516	0.918345
cg141666							
25	chr11	3638448		-0.26066	-2.17743	0.03082	0.919715
cg123596							
97	chr3	1.87E+08		-0.16746	-2.1793	0.030679	0.919048
cg035606							
60	chr16	22960289	VWA3A	-0.26862	-2.1804	0.030596	0.918621
cg217065							
35	chr22	37174758	LGALS1;RAC2	-0.20822	-2.19037	0.029852	0.916519
cg191627			ENSG000002597				
68	chr15	96898476	63	-0.25472	-2.18187	0.030485	0.918345
cg093192							
27	chr16	352684		-0.20611	-2.18264	0.030427	0.918345

			ENSG000002732				
			95;ENSG000002				
			18537;ENSG000				
			00225282;GSTT1				
			;ENSG00000272				
			955;ENSG00000				
cg000871							
82	chr22	24302043	235231	-0.26828	-2.17982	0.030639	0.918621
cg234900							
77	chr6	1.13E+08		0.273532	2.183117	0.030392	0.918345
cg024456							
64	chr17	47210599		0.243359	2.180017	0.030625	0.918621
cg113375							
25	chr19	45418417		-0.17273	-2.18503	0.030248	0.917268
cg226990							
74	chr1	6304272		0.195549	2.182831	0.030413	0.918345
cg066615							
42	chr10	858328		-0.25247	-2.18041	0.030595	0.918621
cg183291							
10	chr7	64704580		0.18799	2.184451	0.030292	0.918
cg064977							
36	chr19	50411442		0.313151	2.180111	0.030617	0.918621
cg108396							
63	chr1	1.13E+08		0.119676	2.183675	0.03035	0.918271
cg133921							
40	chr9	1.32E+08	NAIF1	-0.19836	-2.17892	0.030708	0.919396
cg007830							
00	chr14	1.01E+08		-0.22131	-2.17807	0.030772	0.919617

cg176586							
38	chr17	80890347		0.2588	2.178675	0.030726	0.919518
cg057591							
82	chr12	1.32E+08		-0.21723	-2.17858	0.030733	0.919518
cg145572							
36	chr10	1.05E+08		0.255477	2.179116	0.030693	0.919176
cg018347							
76	chr14	24898905	PSME1;PCK2	-0.30369	-2.17928	0.03068	0.919048
cg019975							
29	chr19	913524	MEX3D	-0.12955	-2.18415	0.030314	0.918271
cg135423							
06	chr19	18264071	MRPL34	0.176891	2.178838	0.030714	0.919412
cg240175							
55	chr6	1.32E+08	EPB41L2	0.254345	2.181936	0.03048	0.918345
cg104488							
31	chr13	43930401		0.217574	2.182924	0.030406	0.918345
cg076685							
86	chr8	11772215		-0.23203	-2.1801	0.030618	0.918621
cg253062							
77	chr1	2E+08	NR5A2;C1orf106	0.348949	2.182034	0.030473	0.918345
cg054699			ENSG000002498				
34	chr7	566467	52	-0.2126	-2.17793	0.030783	0.919715
cg170801							
81	chr2	20425246		0.128746	2.180124	0.030617	0.918621
cg272083							
07	chr10	70847399		0.570569	2.182783	0.030417	0.918345
cg080901			MAPK15;RHPN1; TOP1MT;RHPN1-				
64	chr8	1.44E+08	AS1;MROH6	0.312754	2.181099	0.030543	0.918456
cg245424							
41	chr2	1.1E+08		0.158532	2.181963	0.030478	0.918345
cg063142			NME4;SOX8;TM EM204;RGS11;E NSG0000019667 4;HN1L;ENSG00				
02	chr16	1128070	000260807	-0.20749	-2.17987	0.030636	0.918621
cg249238			IQCG;LMLN;BDH				
66	chr3	1.98E+08	1;KIAA0226	0.455285	2.186808	0.030116	0.916987
cg141756							
90	chr1	1.2E+08		0.314667	2.178253	0.030758	0.919617
cg071882							
33	chr14	92573147		-0.15936	-2.17744	0.03082	0.919715

cg119363							
11	chr5	1.79E+08	ADAMTS2	0.34269	2.178636	0.030729	0.919518
cg061102							
97	chr7	22589830		0.353465	2.178269	0.030757	0.919617
			ASB14;RNU6-108P;RNF7P1;D				
cg053856							
23	chr3	57994101	NAH12	-0.16542	-2.18148	0.030514	0.918345
cg179494							
51	chr1	1.45E+08		-0.17562	-2.17876	0.03072	0.919496
cg224698							
41	chr3	1.2E+08		-0.29953	-2.18001	0.030625	0.918621
cg151854							
79	chr6	31782997		0.150116	2.176654	0.030879	0.919715
			LPAR6;SETDB2;LI				
cg259895							
26	chr13	49147573	NC00441	0.289404	2.18189	0.030484	0.918345
cg242694							
12	chr4	1340602		-0.1549	-2.17966	0.030651	0.918643
cg061920							
85	chr16	1076721		0.194437	2.180047	0.030622	0.918621
cg216048							
56	chr22	22874677		-0.25589	-2.18093	0.030556	0.918483
cg255844							
22	chr15	69454157		0.33927	2.180594	0.030581	0.918621
cg143007							
30	chr2	1.09E+08		0.292023	2.180774	0.030568	0.918612
cg135111							
15	chr14	96000878		-0.2223	-2.17697	0.030855	0.919715
cg195505							
33	chr17	1901437		0.268044	2.178384	0.030748	0.919617
cg043329							
14	chr3	53381587	GNL3	0.153814	2.180274	0.030605	0.918621
cg209179							
43	chr3	1.14E+08		-0.32214	-2.17716	0.030841	0.919715
cg095277							
31	chr5	1.32E+08		-0.20129	-2.18066	0.030576	0.918621
cg275461							
95	chr1	2.2E+08		0.196799	2.182365	0.030448	0.918345
cg259597							
92	chr5	1.8E+08		-0.22963	-2.18142	0.030519	0.918345
cg247614							
67	chr11	2861204		-0.19677	-2.17887	0.030711	0.919412
cg227646							
39	chr12	1.07E+08		-0.1763	-2.18456	0.030284	0.91795
cg006174							
15	chr16	84485726		-0.24484	-2.17839	0.030747	0.919617
cg013256							
13	chr13	1.14E+08		-0.28541	-2.17989	0.030634	0.918621



cg215174							
36	chr11	8710564		-0.13814	-2.18257	0.030433	0.918345
cg094668							
80	chr19	44439215		0.253962	2.179714	0.030647	0.918621
cg076052							
29	chr2	2.1E+08		0.278018	2.176533	0.030888	0.919715

			ENSG000002663				
			71;ENSG000002				
			64538;SH3GL1P				
cg040105							
82	chr17	29826080	1	-0.21967	-2.17556	0.030962	0.919715
cg135363							
08	chr9	1.37E+08		0.172344	2.175849	0.03094	0.919715
cg165485							
68	chr1	4188045		0.24138	2.179743	0.030645	0.918621
cg162208							
02	chr4	1.01E+08		-0.30342	-2.1774	0.030822	0.919715
cg185957							
56	chr19	17211623		0.301042	2.175241	0.030987	0.919715
cg228219							
31	chr7	50800837		-0.29247	-2.17954	0.03066	0.918691

			RSPH3;SYTL3;DY				
			NLT1;EZR;ZDHHC				
			14;C6orf99;ENS				
			G00000213076;				
			FNDC1;ENSG000				
			00271913;SERA				
cg032104							
64	chr6	1.59E+08	C1	0.288234	2.186231	0.030159	0.916987
cg018520							
95	chr2	1.41E+08		-0.26344	-2.18209	0.030468	0.918345
cg152570							
78	chr7	1.34E+08		0.210398	2.180273	0.030605	0.918621

			ITGAX;ITGAL;ITG				
			AM;ZNF629;ZNF				
cg262339							
14	chr16	31366536	768	-0.25021	-2.1792	0.030686	0.919135

			ADAMTS10;KAN				
			K3;EVI5L;ZNF558				
cg101766							
67	chr19	8467144		-0.35076	-2.17703	0.030851	0.919715
cg224597							
55	chr8	49293005		0.315779	2.178486	0.03074	0.919532
cg148380							
86	chr6	31671273		-0.27609	-2.17748	0.030816	0.919715

cg153090							
28	chr11	10772429		-0.32452	-2.18023	0.030609	0.918621
cg272296							
13	chr1	2.3E+08		0.333706	2.175425	0.030973	0.919715
cg055524							
90	chr6	43952511	POLR1C;RSPH9	-0.24585	-2.17965	0.030652	0.918643
cg005262							
73	chr20	59864749		-0.21245	-2.17914	0.03069	0.919176
cg042691							
88	chr14	1.06E+08	IGHG2	0.257671	2.17785	0.030788	0.919715
cg230173							
98	chr19	42125367		-0.19559	-2.18357	0.030357	0.918271
cg258096							
35	chr19	37341103		0.178978	2.178824	0.030715	0.919412
cg259122							
47	chr18	6264520		0.354064	2.176912	0.03086	0.919715
cg101185							
47	chr2	2.07E+08		0.285916	2.178182	0.030763	0.919617
cg182738							
18	chr5	5422589		0.179115	2.17927	0.030681	0.919048
cg253901							
99	chr17	18761479		-0.22005	-2.17666	0.030879	0.919715
cg026440							
52	chr16	87096408		-0.27902	-2.1761	0.030922	0.919715
cg139908							
56	chr10	49940677		0.203189	2.178281	0.030756	0.919617
cg095882							
54	chr6	30523956		0.200814	2.175224	0.030988	0.919715
cg239362							
79	chr8	42951235		-0.1995	-2.17583	0.030942	0.919715
cg071948							
30	chr16	46604297		-0.24106	-2.18176	0.030493	0.918345
cg058772							
22	chr6	1.57E+08		0.278095	2.179578	0.030658	0.918691
cg015946							
62	chr12	33595118		0.392706	2.175091	0.030998	0.919715
cg012673							
73	chr18	77410094		-0.40743	-2.17982	0.03064	0.918621
cg044094							
27	chr21	35736023		-0.29457	-2.17671	0.030875	0.919715
cg150548							
38	chr2	1.77E+08		0.174539	2.176021	0.030927	0.919715
cg227053							
86	chr7	1.3E+08		0.227969	2.178632	0.030729	0.919518
cg078343							
96	chr10	23385979	C10orf115	0.377183	2.178578	0.030733	0.919518
cg021472							
40	chr14	73011054		-0.23625	-2.17544	0.030972	0.919715
cg174883							
53	chr2	2.41E+08		-0.23387	-2.18111	0.030542	0.918456

cg022711							
80	chr14	24711618	0.144907	2.179763	0.030644	0.918621	
cg210711							
17	chr11	1.25E+08	0.227459	2.173992	0.031082	0.920731	
cg196112							
73	chr5	1.13E+08	0.264166	2.178023	0.030775	0.919617	
cg268038							
02	chr4	3512607	0.257398	2.17709	0.030846	0.919715	
cg000825							
40	chr21	46396774	0.138367	2.17519	0.03099	0.919715	
cg006627							
82	chr1	16542981	0.286906	2.177409	0.030822	0.919715	
cg178188							
37	chr8	95487442	-0.29727	-2.17619	0.030914	0.919715	
cg234664							
18	chr7	1.55E+08	0.411588	2.173332	0.031132	0.920745	
cg256336							
78	chr8	65284473	0.206238	2.178922	0.030707	0.919396	
cg127451							
45	chr7	2261452	0.358744	2.176287	0.030907	0.919715	
cg196580							
54	chr14	72177150	0.34123	2.178924	0.030707	0.919396	
cg161574							
35	chr2	1.01E+08	-0.24558	-2.17613	0.030919	0.919715	
cg043842							
45	chr1	28696042 SNHG3	-0.20827	-2.17822	0.03076	0.919617	
cg225408							
00	chr19	47363945	0.157427	2.175565	0.030962	0.919715	
cg034601							
63	chr3	1.57E+08	-0.28679	-2.18028	0.030605	0.918621	
cg005495							
75	chr11	8008752 TMEM9B	-0.32955	-2.17805	0.030773	0.919617	
cg143109							
58	chr10	1.03E+08	-0.21101	-2.17541	0.030974	0.919715	
cg138708							
66	chr7	35293130	0.207376	2.175374	0.030976	0.919715	
cg140160							
74	chr11	809449	-0.16164	-2.17642	0.030897	0.919715	
cg255641							
21	chr5	43041152	0.290758	2.177741	0.030797	0.919715	
cg141544							
41	chr13	28753019	0.338491	2.179513	0.030663	0.918691	
cg254144							
63	chr7	1.53E+08	0.284665	2.177599	0.030807	0.919715	
cg172825							
92	chr10	6797081	0.269203	2.179099	0.030694	0.919176	
cg203884							
27	chr5	1.5E+08	0.183224	2.178138	0.030767	0.919617	
cg267480							
24	chr6	42420298	-0.20748	-2.17613	0.030919	0.919715	

			ENSG000002489				
			54;ABI3;SKAP1;C				
			OL1A1;NXPH3;T				
cg069523							
07	chr17	47287974	TLL6	0.303441	2.176278	0.030908	0.919715
cg074557							
57	chr16	54968985		0.182481	2.17972	0.030647	0.918621
cg215205							
07	chr12	1.02E+08		-0.24889	-2.18009	0.030619	0.918621
cg238378							
04	chr21	45221122		0.321595	2.175935	0.030934	0.919715
cg033404							
66	chr1	1.8E+08		0.3904	2.173734	0.031102	0.920745
cg081429							
18	chr16	86546374		0.306502	2.177583	0.030809	0.919715
cg169560							
07	chr13	1.14E+08		-0.1863	-2.17549	0.030968	0.919715
cg094062							
10	chr2	7342228		-0.40862	-2.17726	0.030833	0.919715
cg095071							
20	chr9	1.39E+08		0.210981	2.178495	0.03074	0.919532
cg236802			ENSG000002220				
55	chr2	2.03E+08	35	-0.16461	-2.18188	0.030485	0.918345
cg081257							
55	chr4	1.74E+08		0.220836	2.174546	0.03104	0.919989
cg166379							
61	chr3	13177818		-0.264	-2.18078	0.030567	0.918612
cg248066							
63	chr17	54794017		-0.23155	-2.17538	0.030976	0.919715
cg244069							
17	chr22	25507612		0.331087	2.172543	0.031193	0.920745
cg216472							
27	chr1	1.2E+08		0.236111	2.17743	0.03082	0.919715
cg156364							
21	chr21	33242495		-0.31991	-2.1739	0.031089	0.920745
cg089311							
96	chr11	1.19E+08		0.175902	2.182657	0.030426	0.918345
cg163778							
80	chr19	15751167	RASAL3	-0.2944	-2.17872	0.030722	0.919514
cg034253							
48	chr2	20441979		0.262262	2.17464	0.031032	0.919989
cg101943							
19	chr4	1.64E+08		-0.29923	-2.17602	0.030927	0.919715
cg003709							
62	chr3	17199496		0.340709	2.181344	0.030525	0.918345
cg160435							
23	chr6	47155663		-0.38277	-2.17592	0.030935	0.919715
cg241749							
59	chr7	34528600		-0.31447	-2.17347	0.031122	0.920745

cg011590							
03	chr13	79801368	NDFIP2	0.342876	2.175337	0.030979	0.919715
cg228813							
71	chr2	24367779		-0.2802	-2.17263	0.031186	0.920745
cg044354							
20	chr5	1.56E+08		0.265651	2.176523	0.030889	0.919715
cg191691							
63	chr6	30129563	DHX16	-0.29274	-2.17516	0.030993	0.919715
cg021898							
88	chr19	46582065		0.263678	2.17512	0.030996	0.919715
cg143272							
96	chr14	1.01E+08	DIO3OS;WARS	-0.2129	-2.17586	0.03094	0.919715
cg265381							
16	chr2	44223328		-0.2498	-2.17719	0.030838	0.919715
cg273433							
80	chr7	1.59E+08		-0.28127	-2.17338	0.031129	0.920745
cg161829							
86	chr5	16180419		-0.25939	-2.17669	0.030877	0.919715
cg076970							
78	chr5	1.4E+08		-0.2224	-2.17712	0.030844	0.919715
cg263942							
27	chr6	31600222		0.273873	2.174576	0.031037	0.919989
cg156054							
48	chr19	35634229		0.226815	2.175155	0.030993	0.919715
cg100770							
60	chr12	76177845		-0.22012	-2.17618	0.030915	0.919715
cg036053							
72	chr19	11546340		-0.1588	-2.17728	0.030832	0.919715
cg202226			ENSG000002507				
95	chr12	1.33E+08	90;POLE	0.247927	2.180918	0.030557	0.918483
cg099721							
92	chr12	72667326		0.198601	2.175869	0.030939	0.919715
cg258089							
26	chr13	21714709		-0.17043	-2.1746	0.031036	0.919989
cg167127							
29	chr19	57923034		-0.16019	-2.1779	0.030785	0.919715
cg087159							
88	chr1	16829179		-0.34216	-2.1775	0.030815	0.919715
cg225305							
19	chr17	41001849		-0.2009	-2.17254	0.031193	0.920745
cg144229							
22	chr1	2.48E+08	SMYD3	-0.274	-2.17786	0.030788	0.919715
cg273375							
39	chr11	76900304		0.23073	2.174648	0.031032	0.919989
cg237082			FANCI;HAPLN3;I				
09	chr15	88843899	SG20;DET1	-0.33481	-2.17356	0.031115	0.920745
cg003192							
23	chr8	2012508	KBTBD11	0.345463	2.172018	0.031233	0.920825

cg141401						
52	chr9	1.31E+08	0.192328	2.1722	0.031219	0.920745
cg185222						
31	chr3	1.97E+08	0.809712	2.176441	0.030895	0.919715
cg275847						
13	chr6	12717016	0.377227	2.178147	0.030766	0.919617
cg244282						
18	chr10	1.26E+08	-0.32206	-2.17297	0.03116	0.920745
cg035104						
35	chr12	14094558	-0.35666	-2.17192	0.03124	0.920825
cg051557						
75	chr1	2.2E+08 C1orf115	-0.27411	-2.17524	0.030987	0.919715
cg186078						
49	chr17	78803435	-0.22477	-2.17633	0.030904	0.919715
cg187298						
62	chr6	32862333 CUTA	-0.17407	-2.17423	0.031064	0.920454
cg114089						
00	chr10	1.18E+08	-0.26359	-2.17391	0.031088	0.920745
cg045629						
76	chr1	1.73E+08	-0.1673	-2.17442	0.031049	0.9202
cg055035						
27	chr19	53970618	0.252015	2.17572	0.03095	0.919715
cg035547						
49	chr4	85405132 NKX6-1	0.293336	2.180628	0.030579	0.918621
cg106930						
71	chr5	1.15E+08	0.358777	2.17481	0.031019	0.919989
cg032434		ENSG000002326				
50	chr5	1800782 15	-0.29189	-2.17563	0.030957	0.919715
cg080430						
24	chr16	77224073	0.310896	2.173067	0.031153	0.920745
cg119260						
12	chr5	1.15E+08	-0.32564	-2.1785	0.030739	0.919532
cg182362						
50	chr4	16791106	-0.24112	-2.17693	0.030858	0.919715
cg034082						
71	chr4	13537647	-0.22916	-2.17259	0.031189	0.920745
cg156656						
30	chr3	1.26E+08	0.226443	2.175211	0.030989	0.919715
cg234343						
04	chr14	24457509	-0.26341	-2.17626	0.030909	0.919715
cg272521						
54	chr12	6568215 NOP2	0.148336	2.175161	0.030993	0.919715
cg148782						
30	chr13	20437969	-0.15639	-2.17665	0.030879	0.919715
cg165293						
23	chr18	20137449	-0.33393	-2.17344	0.031124	0.920745
cg265243						
56	chr11	27494432	0.174628	2.180159	0.030614	0.918621
cg252850						
90	chr6	28510313 HIST1H3I	0.387061	2.17216	0.031222	0.920745

cg053024							
16	chr11	2466037	NAP1L4	-0.19617	-2.17184	0.031247	0.920825
cg253817							
54	chr1	24742201		-0.18646	-2.17629	0.030907	0.919715
cg248637							
91	chr19	58144608		0.191743	2.175373	0.030977	0.919715
cg144341							
87	chr17	61627772		-0.14018	-2.1764	0.030898	0.919715
cg054625							
70	chr11	64814948		0.204914	2.17156	0.031268	0.920825
cg023308							
74	chr10	71339632		-0.36461	-2.17512	0.030996	0.919715
cg088201							
04	chr5	54183619		-0.21174	-2.1743	0.031058	0.920349
cg018231							
20	chr6	97752691		-0.29485	-2.17733	0.030828	0.919715
cg115963							
87	chr2	66468536		-0.23317	-2.17501	0.031004	0.919768
cg028705							
84	chr11	65547924		0.27142	2.176776	0.03087	0.919715
cg187101							
62	chr17	33390808	AP2B1;ZNF830	0.273709	2.175522	0.030965	0.919715
cg223882							
00	chr1	2.03E+08		-0.30101	-2.17516	0.030992	0.919715
cg010168							
57	chr19	405795		-0.252	-2.17481	0.03102	0.919989
cg248057							
28	chr15	34630351		0.186739	2.175611	0.030958	0.919715
cg140853							
58	chr2	1.77E+08		0.268811	2.174706	0.031027	0.919989
cg095363							
75	chr10	1.24E+08		0.319513	2.175414	0.030973	0.919715
cg219157							
99	chr8	10282809		0.265819	2.173109	0.031149	0.920745
cg269176							
40	chr15	67204380		-0.37462	-2.16998	0.03139	0.921533
cg031279							
74	chr8	1.46E+08		-0.2635	-2.17079	0.031327	0.921102
cg046088			ENSG000002694				
55	chr19	58913158	73	-0.24089	-2.17535	0.030979	0.919715
cg145657							
25	chr1	1.2E+08		0.323928	2.171406	0.03128	0.920919
cg009085							
84	chr7	1.55E+08		-0.49507	-2.17253	0.031194	0.920745
cg153332							
77	chr8	41733931		-0.28868	-2.17316	0.031146	0.920745
cg026040							
99	chr10	1.35E+08		-0.25874	-2.17336	0.031131	0.920745
cg272859							
68	chr14	89059888		0.324634	2.172718	0.031179	0.920745

cg110241							
80	chr20	10195033		0.249521	2.176535	0.030888	0.919715
cg032707							
10	chr2	74729592		0.202617	2.176008	0.030928	0.919715
cg026967							
63	chr1	1.56E+08		-0.17175	-2.17543	0.030972	0.919715
cg106266							
82	chr21	31661731		-0.26953	-2.17294	0.031163	0.920745
cg106525							
08	chr19	2809933		0.194107	2.172791	0.031174	0.920745
cg271715							
80	chr12	80073676		-0.28908	-2.17571	0.030951	0.919715
cg209182							
62	chr12	1.1E+08		-0.21454	-2.1731	0.03115	0.920745
cg084657							
74	chr8	39771756 IDO1		0.502384	2.174983	0.031006	0.919768
cg268294							
51	chr11	1.21E+08		0.193766	2.173263	0.031138	0.920745
cg004814							
99	chr2	2.14E+08		-0.1783	-2.17498	0.031006	0.919768
cg081909							
13	chr8	70978351		-0.29822	-2.17216	0.031222	0.920745
cg121782							
87	chr19	17631836		0.262725	2.170523	0.031348	0.921142
cg046411							
71	chr15	79381805		0.287984	2.169577	0.031421	0.921825
cg079199							
36	chr2	451875		-0.28662	-2.17067	0.031337	0.921102
cg147234							
23	chr19	45448413		-0.23226	-2.17702	0.030851	0.919715

			CLSPN;GJB5;GJB				
cg183885			4;GJB3;AGO3;PS				
47	chr1	35513161 MB2		-0.25391	-2.17136	0.031283	0.920951
cg138241							
56	chr22	24199059		0.232191	2.177828	0.03079	0.919715
cg168051							
71	chr15	85174652		0.168469	2.1742	0.031066	0.920454
cg204673							
78	chr17	79277196		-0.38568	-2.17327	0.031137	0.920745
cg098518							
83	chr8	1.01E+08		0.284307	2.172208	0.031218	0.920745
cg167528							
64	chr4	1.4E+08		-0.20243	-2.17361	0.031111	0.920745
cg140833							
76	chr14	1.04E+08		0.203909	2.177712	0.030799	0.919715
cg005299							
58	chr13	1.01E+08		0.402739	2.171643	0.031262	0.920825



cg145136							
80	chr9	15552606		0.18692	2.17307	0.031152	0.920745
cg059076							
49	chr15	56519080		-0.33062	-2.17271	0.03118	0.920745
cg103220							
07	chr12	38449206		-0.28408	-2.17099	0.031312	0.921102
cg009356							
53	chr7	25897725		0.263226	2.172407	0.031203	0.920745
cg019748							
75	chr17	6617580		0.210294	2.171874	0.031244	0.920825
cg154370							
53	chr19	34311123		-0.16122	-2.17467	0.03103	0.919989
cg133036							
54	chr10	31610754		0.337128	2.175985	0.03093	0.919715

			C1orf222;TTC34; PRKCZ;TMEM52;				
cg078368							
31	chr1	2460865	MORN1	-0.1817	-2.17358	0.031113	0.920745
cg031590							
04	chr19	46445221		-0.19568	-2.16911	0.031456	0.92221
cg067451							
45	chr7	90664816		-0.26305	-2.17259	0.031189	0.920745
cg026259							
42	chr1	1.69E+08		0.321666	2.178052	0.030773	0.919617

			ARPC3;TMEM11				
cg196290							
79	chr12	1.11E+08	6;ATP2A2;IFT81	0.358823	2.177041	0.03085	0.919715
cg198577							
58	chr1	2.38E+08		-0.25029	-2.17251	0.031195	0.920745
cg167814							
39	chr22	29469035		0.114919	2.172218	0.031218	0.920745
cg049712							
63	chr1	27227008		-0.24109	-2.1726	0.031188	0.920745
cg059989							
50	chr7	36916137		-0.23352	-2.1716	0.031265	0.920825
cg127105							
31	chr11	88032774		-0.32624	-2.17075	0.031331	0.921102
cg144334							
14	chr22	22307378		0.247873	2.174331	0.031056	0.920348
cg197226							
71	chr8	1404197	MYOM2	0.345335	2.17547	0.030969	0.919715
cg198753							
75	chr11	46740666	SLC35C1	-0.18889	-2.17803	0.030775	0.919617
cg185784							
05	chr16	12996057		0.37458	2.170844	0.031323	0.921102
cg094224							
50	chr16	79623618		0.376492	2.171205	0.031295	0.920994

cg255706							
76	chr19	47975706		0.20035	2.17462	0.031034	0.919989
cg076177							
59	chr2	33050475		0.355088	2.170749	0.03133	0.921102
cg116595							
01	chr12	81471678		0.364004	2.17402	0.03108	0.920731
cg061891							
75	chr19	11592321		0.377703	2.170443	0.031354	0.921195
cg174050							
00	chr5	55147245		-0.36892	-2.17361	0.031111	0.920745
cg139163							
22	chr11	63381728		0.23309	2.173199	0.031143	0.920745
			ABCA6;ABCA10; ABCA8;ABCA9;E NSG0000026736				
cg133457							
26	chr17	66708409	1	0.335461	2.173322	0.031133	0.920745
cg038350							
95	chr3	1.84E+08		0.284222	2.174559	0.031039	0.919989
cg118075							
59	chr10	69390115		0.262608	2.171082	0.031305	0.921082
cg132166							
95	chr5	43121572	C5orf34	-0.17031	-2.17514	0.030995	0.919715
cg108357							
95	chr1	22446661		-0.28742	-2.16975	0.031407	0.921533
cg159749							
59	chr2	11103010		-0.25388	-2.16974	0.031408	0.921533
cg267560							
83	chr8	89339622		0.214046	2.174585	0.031037	0.919989
cg238433							
62	chr10	1.05E+08		-0.24149	-2.1727	0.03118	0.920745
cg225173							
56	chr1	1361216	SKI	-0.20918	-2.17726	0.030833	0.919715
cg232285							
29	chr7	47976869		0.855666	2.172368	0.031206	0.920745
cg062571							
32	chr2	71558461		0.200507	2.171524	0.031271	0.920844
cg209571							
64	chr3	12965323		-0.18967	-2.17294	0.031163	0.920745
cg006143							
92	chr6	1.06E+08	AIM1	0.274425	2.172772	0.031175	0.920745
cg042232							
22	chr15	25923938		-0.2191	-2.16983	0.031401	0.921533
cg271763							
57	chr19	57702500		0.291443	2.176454	0.030894	0.919715
cg162004							
69	chr5	36241644		-0.15438	-2.17058	0.031343	0.921102
cg271227							
25	chr5	1.43E+08		0.260794	2.17122	0.031294	0.920994

cg003335						
83	chr15	85589274	0.325037	2.171854	0.031246	0.920825
cg036585						
78	chr3	1.7E+08	-0.25818	-2.17212	0.031225	0.920768
cg025529						
35	chr7	1.06E+08	-0.19258	-2.17375	0.0311	0.920745
cg143767						
61	chr12	12416946	0.251094	2.172264	0.031214	0.920745
cg160584						
93	chr1	91189167 GEMIN8P4	0.275634	2.170644	0.031339	0.921102
cg015433						
07	chr4	1.84E+08	-0.34927	-2.17075	0.03133	0.921102
cg170192						
92	chr5	68710813	0.336869	2.176776	0.03087	0.919715
cg151080						
47	chr20	19742828 C20orf26	0.32963	2.17177	0.031252	0.920825
cg144623						
69	chr6	1.69E+08	-0.32621	-2.17126	0.031291	0.920994
cg029080						
83	chr17	40303895 RAMP2-AS1	0.261454	2.175167	0.030992	0.919715
cg116004						
70	chr12	34443659	0.231683	2.17112	0.031302	0.92106
cg228925						
39	chr5	1667258	0.191804	2.176022	0.030927	0.919715
cg079240						
79	chr2	1.98E+08	0.18745	2.170623	0.03134	0.921102
cg039620						
82	chr16	28072873	0.297513	2.171652	0.031261	0.920825
cg044645						
48	chr7	1.28E+08 SND1	0.217548	2.173588	0.031113	0.920745
cg178373						
30	chr8	1.31E+08	-0.26709	-2.17176	0.031253	0.920825
cg192090						
49	chr11	69454829	-0.32421	-2.17242	0.031202	0.920745
cg013502						
93	chr2	1.28E+08 BIN1;GYPC	-0.28297	-2.16993	0.031394	0.921533
cg153212						
88	chr8	38326400	0.317488	2.167551	0.031577	0.922462
cg155361						
16	chr11	1770595	-0.2023	-2.17204	0.031232	0.920825
cg066073						
84	chr14	91579859	-0.26282	-2.17189	0.031243	0.920825
cg194559						
65	chr4	25589929 SMIM20;SOD3	-0.2251	-2.16868	0.03149	0.92242
cg258902						
75	chr11	60929200	-0.18948	-2.17095	0.031315	0.921102
cg085462						
29	chr10	71080735	-0.16717	-2.1725	0.031196	0.920745
cg111652						
54	chr3	55736620	0.321631	2.171474	0.031275	0.920892

cg001824							
16	chr19	54263917		-0.23475	-2.16804	0.031539	0.92242
cg021062							
15	chr8	1.45E+08		-0.27534	-2.16985	0.031399	0.921533
cg114896							
38	chr3	1.08E+08		-0.37114	-2.17317	0.031145	0.920745
cg260027							
84	chr17	42836320		-0.12853	-2.17166	0.031261	0.920825
cg092052			RNF166;CBFA2T				
93	chr16	89132956	3	-0.32843	-2.16722	0.031603	0.922462
cg102567							
08	chr19	18262564		0.242603	2.168673	0.031491	0.92242
ch.5.3466							
4565R	chr5	34628808		0.306274	2.172297	0.031212	0.920745
cg196927							
10	chr11	73661920		0.292916	2.17272	0.031179	0.920745
cg070151							
95	chr8	1.09E+08		0.24905	2.17264	0.031185	0.920745
cg077570							
94	chr16	86260847		-0.20317	-2.17983	0.030639	0.918621
cg051764							
33	chr10	95242154	FRA10AC1	0.262841	2.171888	0.031243	0.920825
cg270145							
22	chr10	1.31E+08		-0.30115	-2.17519	0.030991	0.919715
cg172607			ENSG000002597				
25	chr15	59397288	32	-0.2332	-2.17647	0.030893	0.919715
cg125321							
41	chr12	1.33E+08		-0.19374	-2.1729	0.031166	0.920745
cg205611			ENSG000002720				
00	chr7	1.07E+08	72	-0.18853	-2.17089	0.031319	0.921102
cg160792							
60	chr5	1.8E+08		-0.29675	-2.16795	0.031546	0.92242
cg159662							
53	chr3	23847480		-0.20554	-2.17323	0.03114	0.920745
cg171736							
39	chr6	1.62E+08		-0.72528	-2.16835	0.031516	0.92242
cg235138							
04	chr3	37439706		-0.22182	-2.17179	0.03125	0.920825
cg211706							
58	chr9	1.38E+08		-0.21221	-2.17277	0.031175	0.920745
cg014895							
19	chr20	61493186		-0.1396	-2.16847	0.031506	0.92242
cg178058							
36	chr15	25953284		-0.30113	-2.16713	0.03161	0.922462
cg101158							
27	chr1	95538375		-0.23527	-2.16816	0.03153	0.92242
cg195947							
45	chr17	76897297		0.349504	2.168329	0.031517	0.92242
cg045519							
67	chr17	1837764		-0.31737	-2.17161	0.031264	0.920825

cg166199							
35	chr16	2037439		0.19685	2.167326	0.031595	0.922462
cg156349							
28	chr5	87894586		-0.33995	-2.17217	0.031221	0.920745
cg103300			PPP1R12B;PPFIA				
57	chr1	2.03E+08	4;CYB5R1	-0.14132	-2.16983	0.031401	0.921533
cg086218							
46	chr8	1.25E+08		0.354792	2.168234	0.031524	0.92242
cg249773							
21	chr3	1.79E+08		0.243218	2.16904	0.031462	0.92221
cg276105							
45	chr12	73005050		-0.34838	-2.16769	0.031567	0.922462
cg174437							
53	chr1	5180057		0.301056	2.166887	0.031629	0.922482
cg181244							
13	chr18	43547806		-0.31919	-2.17091	0.031318	0.921102
			HOXB4;HOXB3;N				
			XPH3;ABI3;HOXB-				
cg070159			AS2;PRR15L;CAL				
11	chr17	46655580	COCO2;SKAP1	0.435946	2.169508	0.031426	0.921855
cg169041							
16	chr6	33237583		-0.23821	-2.16703	0.031618	0.922462
cg191189							
51	chr21	35575070	CLIC6	0.309095	2.172894	0.031166	0.920745
cg246383			FCRL5;MEX3A;S				
26	chr1	1.57E+08	H2D2A	0.29217	2.171034	0.031309	0.921102
cg229904							
75	chr2	33829748		0.256675	2.173062	0.031153	0.920745
cg082450							
96	chr7	1.4E+08		0.265403	2.166618	0.03165	0.922771
cg181957							
65	chr1	23006953		-0.23537	-2.17381	0.031096	0.920745
cg170173							
94	chr1	43525160		-0.33552	-2.16892	0.031471	0.922295
cg220323							
64	chr13	26112093		-0.35945	-2.16667	0.031646	0.922724
cg206310							
14	chr6	84419242		0.389805	2.16922	0.031448	0.922127
cg167678							
86	chr6	34284953		0.218056	2.168078	0.031537	0.92242
cg009846							
96	chr3	1.24E+08	MUC13;KALRN	-0.34965	-2.16764	0.03157	0.922462
cg157005							
87	chr7	1.47E+08		-0.3786	-2.17032	0.031363	0.921235

cg117673							
92	chr11	71814388	LAMTOR1	-0.13595	-2.17057	0.031344	0.921102
cg025954							
12	chr1	2.05E+08		0.237756	2.169864	0.031399	0.921533
cg272358							
96	chr4	1.56E+08		-0.27477	-2.17039	0.031358	0.9212
cg262380							
31	chr19	11999148		0.162169	2.168988	0.031466	0.92221
cg055991			CDIPT;SULT1A1;				
55	chr16	29188654	C16orf54	-0.40546	-2.17416	0.031069	0.920489
			CCDC148;TANC1				
cg071517			;HNRNPDL2;UP				
47	chr2	1.59E+08	P2;GALNT5;PKP4	0.467445	2.172368	0.031206	0.920745
cg244566							
54	chr4	41754125		0.243667	2.169341	0.031439	0.921986
cg038252							
55	chr2	2.34E+08		0.243667	2.166969	0.031622	0.922462
cg089346							
60	chr3	39231907		-0.20244	-2.16796	0.031546	0.92242
cg055184							
71	chr10	2006740		-0.24721	-2.16727	0.031599	0.922462
cg014367							
71	chr1	11119520		-0.29352	-2.16636	0.031669	0.922831
cg223077							
69	chr8	182402		-0.22646	-2.17031	0.031364	0.921235
			HCP5;HLA-				
			B;PPP1R18;GPS				
			M3;LTB;LST1;HL				
cg267247			A-DRA;AIF1;HLA-				
26	chr6	31549853	C;VAR52;MICB	0.270669	2.171439	0.031277	0.920908
cg225161							
37	chr17	80657589		-0.37616	-2.16743	0.031587	0.922462
			HN1L;UBE2I;CAC				
cg043129			NA1H;RNPS1;CC				
67	chr16	1597521	DC78	-0.36625	-2.16779	0.031559	0.922462
cg168480			SLCO2A1;SRPRB;				
72	chr3	1.34E+08	AMOTL2	0.26365	2.167935	0.031548	0.92242

cg073061						
08	chr7	1.58E+08	-0.27983	-2.16824	0.031524	0.92242
cg026295						
86	chr12	57345407	-0.26211	-2.17007	0.031383	0.921533
ch.15.389						
37523R	chr15	41150231	-0.18499	-2.16856	0.031499	0.92242
cg005504						
93	chr6	64928665	0.357712	2.168268	0.031522	0.92242
cg052120						
98	chr14	1.06E+08	-0.23322	-2.1653	0.031752	0.922904
cg003977						
40	chr1	1.61E+08	-0.1823	-2.17012	0.031379	0.921533
cg245737						
43	chr2	71211981	0.309812	2.170581	0.031343	0.921102
cg243982						
58	chr20	61401678	-0.1657	-2.1675	0.031581	0.922462
cg041572						
01	chr1	1.71E+08 FMO4	0.193485	2.171245	0.031292	0.920994
cg182259						
05	chr20	20033020	0.177923	2.171247	0.031292	0.920994
cg129420						
38	chr2	97427895	0.237283	2.165935	0.031703	0.922857
cg081732						
61	chr6	3845637	0.227656	2.169338	0.031439	0.921986
cg034425						
34	chr4	1.17E+08	-0.27337	-2.16876	0.031484	0.92242
cg150549						
72	chr2	1.11E+08	0.240254	2.169992	0.031389	0.921533
cg081622						
57	chr15	90777190	-0.17281	-2.16705	0.031616	0.922462
cg224965		ENSG000002247				
59	chr3	1.96E+08 69;SLC51A	-0.32769	-2.16998	0.031389	0.921533
cg003321						
55	chr15	35837878	0.185641	2.170413	0.031356	0.9212
cg038362						
83	chr17	44058856	-0.25576	-2.16695	0.031624	0.922462
cg081323						
02	chr19	55684640	0.360692	2.169981	0.03139	0.921533
cg075949						
54	chr3	1.33E+08	-0.2423	-2.16906	0.031461	0.92221
cg150232						
78	chr10	1.21E+08 NANOS1	-0.17271	-2.17541	0.030974	0.919715
cg155434						
90	chr3	49699577	-0.23917	-2.17007	0.031383	0.921533
cg171271						
83	chr1	2.48E+08	0.546724	2.170467	0.031352	0.921195
cg063708						
62	chr6	50680748	-0.46183	-2.16854	0.031501	0.92242

cg209921							
14	chr4	1.12E+08		0.185714	2.166754	0.031639	0.922594
cg057109							
97	chr5	50685512		0.497626	2.172545	0.031193	0.920745
cg210076							
45	chr14	23584013		-0.20485	-2.17159	0.031266	0.920825

			DIXDC1;POU2AF				
cg005613			1;CRYAB;SIK2;EN				
22	chr11	1.12E+08	SG000000255093	0.221863	2.167417	0.031588	0.922462
cg250247							
17	chr12	54324583		0.255867	2.167022	0.031618	0.922462
cg072962							
60	chr21	46408093		0.186401	2.168563	0.031499	0.92242
cg126870							
90	chr4	17634096		-0.31257	-2.16726	0.0316	0.922462
cg078951							
86	chr10	1.19E+08		-0.139	-2.16591	0.031704	0.922857
cg240014							
77	chr11	31531492		0.159926	2.169775	0.031406	0.921533
cg003785							
10	chr19	2291020		0.451939	2.165125	0.031766	0.922985
cg239112							
91	chr6	33288572		0.327128	2.168195	0.031528	0.92242
cg026138							
71	chr1	45097931		-0.2285	-2.1707	0.031334	0.921102
cg119736							
88	chr9	1.31E+08		0.178502	2.168994	0.031466	0.92221
cg186172							
19	chr2	1.22E+08		-0.40648	-2.16792	0.031549	0.92242
cg142093							
44	chr4	87886892		0.319993	2.172157	0.031222	0.920745
ch.11.608							
93640F	chr11	61137064		0.316922	2.16626	0.031677	0.922831
cg073855							
01	chr16	30913935		-0.22081	-2.16477	0.031793	0.923064
cg113773							
13	chr11	63706491		-0.18845	-2.16936	0.031438	0.921986
cg177072							
74	chr11	1.02E+08		0.381785	2.1663	0.031674	0.922831
cg150223							
54	chr12	1.19E+08		-0.33493	-2.16789	0.031551	0.922425
cg149474							
66	chr11	2583705		-0.17662	-2.16362	0.031883	0.923131
cg182157							
26	chr13	24896584		-0.32186	-2.16565	0.031724	0.922857
cg137871							
93	chr1	2.03E+08		-0.19985	-2.16513	0.031766	0.922985



cg056395							
22	chr1	2.48E+08		0.278709	2.167578	0.031575	0.922462
cg086864							
25	chr11	67722909		0.193681	2.167331	0.031594	0.922462
cg145215			ENSG000002630				
08	chr17	80056159	53	0.177182	2.168259	0.031523	0.92242
cg066462							
76	chr16	29857097		0.260231	2.166479	0.03166	0.922831
			RGL2;BAK1;PHF1				
cg205066			;RPS18;SYNGAP1				
59	chr6	33132943	;GRM4;WDR46	-0.26688	-2.16498	0.031777	0.923033
cg128943							
36	chr3	47823524		0.149437	2.167945	0.031547	0.92242
cg270334							
18	chr13	28492669		0.249371	2.169734	0.031409	0.921533
cg200485							
21	chr6	74072242		0.388801	2.167946	0.031547	0.92242
cg244228							
26	chr8	6637732		-0.25642	-2.16816	0.03153	0.92242
cg095025							
02	chr1	1.1E+08		0.344249	2.166396	0.031667	0.922831
cg251894							
29	chr13	21277706		-0.15102	-2.16826	0.031522	0.92242
cg021464							
53	chr8	37620111		-0.1484	-2.1684	0.031511	0.92242
cg020647							
24	chr14	74179953	LTBP2	0.405088	2.173592	0.031112	0.920745
cg096950							
33	chr2	29337988		-0.21247	-2.17217	0.031221	0.920745
cg094378							
08	chr5	1.76E+08		0.211696	2.166184	0.031683	0.922857
cg075391							
80	chr7	1.13E+08		-0.41257	-2.16861	0.031496	0.92242
cg096900							
40	chr3	1.27E+08		0.289176	2.162762	0.03195	0.923131
cg085972							
05	chr1	1.57E+08		-0.27696	-2.16452	0.031813	0.923064
cg187391							
66	chr3	3866752	TRNT1	0.217591	2.167405	0.031589	0.922462
cg088601							
19	chr8	1.44E+08		-0.14289	-2.17112	0.031302	0.92106
cg268459							
46	chr5	2137653		0.295711	2.165511	0.031736	0.922857
cg140819							
95	chr12	1.21E+08		-0.25169	-2.16676	0.031639	0.922594
cg212958							
11	chr6	1.13E+08		-0.32024	-2.1662	0.031682	0.922857

cg140795							
78	chr9	1.34E+08		0.223461	2.167952	0.031546	0.92242
cg004525							
30	chr13	46543059		-0.36397	-2.16354	0.031889	0.923131
cg031726							
51	chr20	13201655		-0.18184	-2.16593	0.031703	0.922857
cg010122							
44	chr7	1.27E+08		0.225233	2.165256	0.031755	0.922904
cg203664							
58	chr12	56756561		0.320499	2.168092	0.031535	0.92242
cg154568			FADS1;RAB3IL1;L				
21	chr11	61717225	RRN4CL	0.210808	2.169394	0.031435	0.921986
cg150978							
76	chr10	71993604		0.202001	2.16556	0.031732	0.922857
cg120552							
20	chr11	1.29E+08		0.373977	2.165632	0.031726	0.922857
cg127865							
48	chr10	1.03E+08		0.259423	2.16536	0.031747	0.922857
cg188074							
85	chr12	1.14E+08		0.25106	2.165107	0.031767	0.922985
cg011731							
86	chr6	24126221		0.336491	2.166593	0.031652	0.922771
cg066980							
93	chr8	67026880		0.362997	2.166007	0.031697	0.922857
cg048606							
64	chr1	43136315		0.232294	2.168021	0.031541	0.92242
cg061983							
98	chr18	44526707		0.448585	2.163923	0.031859	0.923131
cg035216							
96	chr6	29795595		0.418928	2.165394	0.031745	0.922857
cg132238							
03	chr1	2.45E+08		0.292238	2.166473	0.031661	0.922831
cg140959							
83	chr9	71737204		-0.16151	-2.16761	0.031572	0.922462
cg130035							
13	chr7	3074533		-0.18954	-2.17098	0.031313	0.921102
cg090563							
09	chr8	37594104		-0.17702	-2.16422	0.031836	0.923064
cg146765							
92	chr16	49910862	ADCY7	0.214393	2.163609	0.031884	0.923131
cg137510							
12	chr14	99848890	HHIPL1	0.345789	2.168264	0.031522	0.92242
cg166405							
99	chr4	1.2E+08		0.301691	2.165504	0.031736	0.922857
cg036054							
54	chr4	1.51E+08		-0.30155	-2.16585	0.031709	0.922857
cg082631							
40	chr1	32864238		0.245842	2.16679	0.031636	0.922594

cg026717							
11	chr17	78882200	BAIAP2	0.218262	2.164752	0.031795	0.923064
cg136265			PSMG3-				
85	chr7	1847613	AS1;IQCE	-0.13865	-2.16641	0.031666	0.922831
cg267195							
49	chr12	76742285		0.219203	2.165884	0.031707	0.922857
cg099404							
76	chr16	89224261		0.300742	2.164627	0.031804	0.923064
cg266202							
42	chr5	5340467		0.274983	2.168023	0.031541	0.92242
cg034032							
15	chr10	1.34E+08		-0.16448	-2.16775	0.031562	0.922462
cg190268			STX16;ATP5E;VA				
17	chr20	56782259	PB;CTSZ	-0.16045	-2.16631	0.031674	0.922831
cg109048							
58	chr10	95758137	FRA10AC1	-0.23352	-2.16207	0.032004	0.923131
cg034111							
33	chr17	58256027		-0.26281	-2.16512	0.031766	0.922985
cg107602							
09	chr15	62986915		0.32654	2.166978	0.031622	0.922462
cg000003							
21	chr8	41167802		0.299795	2.161686	0.032034	0.923148
cg259174							
23	chr2	1.32E+08		0.256952	2.162931	0.031937	0.923131
cg223954							
90	chr4	77506779		0.344659	2.162635	0.03196	0.923131
cg046221							
76	chr10	1.22E+08		-0.15484	-2.16559	0.031729	0.922857
cg195717							
15	chr15	28202759		-0.26524	-2.16779	0.031559	0.922462
cg115359							
54	chr13	99174609		-0.27491	-2.16179	0.032026	0.923148
cg111477							
24	chr7	1.57E+08		-0.28102	-2.16592	0.031704	0.922857
cg192897							
67	chr4	25314290		-0.17928	-2.16441	0.031821	0.923064
cg002281							
18	chr9	1.1E+08		-0.23097	-2.1659	0.031705	0.922857
cg130571							
74	chr1	10857091		-0.19018	-2.16784	0.031555	0.922462
cg150649							
64	chr2	2.39E+08	HES6	0.335897	2.171985	0.031236	0.920825
cg096207							
18	chr16	20702872		-0.30576	-2.16955	0.031423	0.921827
cg041107							
08	chr17	12891573		-0.20823	-2.1642	0.031838	0.923064
cg233192							
89	chr14	82292196		-0.36992	-2.16465	0.031802	0.923064

cg073861						
90	chr1	1.82E+08	-0.12557	-2.16701	0.03162	0.922462
cg059429						
64	chr13	50962761	-0.34126	-2.16926	0.031445	0.922104
cg114688						
19	chr5	4942612	0.319376	2.16269	0.031956	0.923131
cg079170						
31	chr1	2.33E+08	0.2401	2.163536	0.03189	0.923131
cg110529						
22	chr11	1.17E+08	-0.32022	-2.1649	0.031783	0.923044
cg157537						
46	chr2	1.72E+08 GAD1	0.49376	2.163926	0.031859	0.923131
cg165383						
59	chr7	47590825	-0.19062	-2.16552	0.031735	0.922857
cg196787						
30	chr12	9280567	-0.27647	-2.16428	0.031832	0.923064
cg015696						
01	chr21	46811242	0.27986	2.16436	0.031825	0.923064
cg196103						
70	chr15	41166042	-0.13315	-2.16439	0.031823	0.923064
cg173777						
97	chr12	55714289	-0.42261	-2.1657	0.031721	0.922857
cg217934						
37	chr12	2734591 FKBP4	0.26243	2.168428	0.031509	0.92242
cg156910						
99	chr7	65866849 TPST1;INTS4L2	-0.18407	-2.16438	0.031824	0.923064
cg124957						
31	chr17	80696071	-0.22813	-2.16758	0.031575	0.922462
cg042624						
65	chr14	1.01E+08	0.37788	2.165278	0.031754	0.922904
cg186702						
58	chr6	32383424	-0.25196	-2.1654	0.031744	0.922857
cg035934						
19	chr4	46995474	-0.24243	-2.16399	0.031854	0.923131
cg011736						
11	chr11	59436746	-0.14926	-2.1669	0.031628	0.922482
cg045671						
40	chr1	31000432	0.381324	2.16263	0.03196	0.923131
cg053339						
68	chr4	1.88E+08 SORBS2	-0.3709	-2.16244	0.031975	0.923131
cg046353						
34	chr16	3210225 IL32	0.510171	2.162896	0.03194	0.923131
cg053451						
54	chr19	2250901	0.499363	2.160583	0.032121	0.923628
cg085892		GPC1;ENSG0000				
14	chr2	2.42E+08 0218416	0.378782	2.162525	0.031969	0.923131
cg184429						
92	chr13	24614176	-0.35084	-2.16217	0.031996	0.923131

cg216100							
69	chr15	33484389		-0.32664	-2.16275	0.031951	0.923131
cg059928							
75	chr8	1.45E+08		-0.23021	-2.16508	0.031769	0.922985
cg266509							
87	chr5	60458349		-0.16734	-2.16431	0.031829	0.923064
cg260639							
62	chr5	60907320		-0.20194	-2.16454	0.031811	0.923064
cg071547							
54	chr12	1.33E+08		0.265104	2.165399	0.031744	0.922857
cg259965							
71	chr11	60232654		0.353695	2.167339	0.031594	0.922462
cg244813							
03	chr7	1.58E+08		-0.35145	-2.1661	0.03169	0.922857
cg239674							
74	chr6	90525844		0.316268	2.162683	0.031956	0.923131
cg011311							
00	chr14	1.01E+08		-0.22827	-2.1642	0.031837	0.923064
cg042527							
62	chr1	1.65E+08 PBX1		-0.31785	-2.16373	0.031874	0.923131
cg114909							
44	chr10	1.03E+08		0.23539	2.167187	0.031605	0.922462
cg024098							
15	chr11	69589122		0.257819	2.161479	0.032051	0.923148
cg045781							
93	chr1	1.51E+08		-0.16922	-2.1621	0.032002	0.923131
cg071487		ENSG000002326					
43	chr5	891451 15		0.22839	2.164662	0.031802	0.923064
cg000298							
31	chr8	1.46E+08		-0.16258	-2.1626	0.031963	0.923131
cg198810							
32	chr22	38479332		-0.24686	-2.16738	0.031591	0.922462

			MORN3;LRRC43;				
cg248370			KDM2B;WDR66;				
84	chr12	1.22E+08 TMEM120B		-0.31578	-2.16195	0.032014	0.923148
cg078861							
42	chr5	1.27E+08		-0.19408	-2.16182	0.032024	0.923148
cg129404							
73	chr4	1.55E+08		-0.24941	-2.16594	0.031702	0.922857
cg185249							
34	chr2	97164073		0.319169	2.163754	0.031873	0.923131
cg137183							
69	chr2	19946867		-0.24247	-2.16373	0.031875	0.923131
cg214041							
08	chr3	43769400		0.265406	2.164683	0.0318	0.923064
cg179439							
95	chr1	18617630		0.315963	2.166996	0.03162	0.922462

cg017127							
00	chr2	2.42E+08		0.362584	2.163074	0.031926	0.923131
cg070113							
18	chr16	2054944	PKD1;TSC2	-0.23395	-2.16381	0.031868	0.923131
cg164126							
09	chr16	31579805		0.466941	2.162199	0.031994	0.923131
cg249292							
58	chr13	64418345		-0.28326	-2.16611	0.031689	0.922857
cg037203							
90	chr6	28912126		0.374841	2.166043	0.031694	0.922857
cg205626							
78	chr13	28369080		0.270119	2.169071	0.03146	0.92221
cg133855			ENSG000002555				
68	chr11	1.34E+08	45;B3GAT1	-0.27199	-2.16453	0.031812	0.923064
cg084734							
56	chr1	1.51E+08		-0.15645	-2.16369	0.031877	0.923131
cg048822							
22	chr1	3303301		-0.21106	-2.16005	0.032163	0.923973
cg195949							
23	chr4	1.47E+08		0.286294	2.159781	0.032184	0.924031
cg271071							
71	chr5	1.2E+08		0.24645	2.164491	0.031815	0.923064
cg030610							
24	chr3	1.29E+08		-0.1864	-2.16495	0.031779	0.923033
cg137142							
99	chr16	31105660		-0.31495	-2.16575	0.031717	0.922857
cg178591							
87	chr1	1.68E+08		-0.36049	-2.16294	0.031936	0.923131
cg000025			ENSG000002715				
31	chr7	1.28E+08	53	-0.16621	-2.16239	0.031979	0.923131
cg202474							
86	chr1	1.2E+08		0.262571	2.16416	0.031841	0.923064
cg254051							
45	chr19	51142580		0.223632	2.162987	0.031932	0.923131
cg053756							
99	chr1	3245451		0.239554	2.162911	0.031938	0.923131
cg121649							
73	chr6	1.36E+08		0.341178	2.161448	0.032053	0.923148
cg257822							
56	chr10	1.35E+08		-0.31304	-2.15915	0.032234	0.924031
cg126410							
47	chr11	75110500		-0.17443	-2.16364	0.031881	0.923131
cg072811							
25	chr6	1.67E+08		-0.44508	-2.1633	0.031908	0.923131
cg002109							
94	chr3	99594893		0.317989	2.160372	0.032138	0.923628
cg060323							
44	chr7	92158437		0.240462	2.164964	0.031778	0.923033

cg032592							
92	chr10	88162925		0.288223	2.163403	0.0319	0.923131
cg246187							
39	chr10	25154684		-0.25885	-2.1639	0.031861	0.923131
cg113639							
72	chr11	2465249		0.182314	2.160666	0.032114	0.923628
cg230564							
37	chr7	99630899		0.234033	2.162389	0.031979	0.923131
			CCDC176;DNAL1				
			;PNMA1;FAM16				
			1B;NUMB;ELMS				
cg044220							
24	chr14	73524288	AN1	0.424264	2.16398	0.031855	0.923131
cg162636							
53	chr3	33116782		0.240675	2.159924	0.032173	0.923973
cg055900							
53	chr8	1.21E+08		0.325456	2.164056	0.031849	0.923131
cg143799							
65	chr2	1.5E+08		0.421277	2.164186	0.031839	0.923064
cg201020							
80	chr17	1359383		-0.19844	-2.16175	0.03203	0.923148
			RAB3IL1;LRRN4C				
cg092618							
16	chr11	61530655	L;AHNAK;FADS3	-0.28359	-2.1646	0.031806	0.923064
cg183661							
08	chr5	226170		-0.27188	-2.16173	0.032031	0.923148
cg119215							
39	chr11	1.16E+08		-0.18207	-2.16413	0.031844	0.923079
cg114007							
74	chr1	1.56E+08		0.290437	2.161245	0.032069	0.923219
cg175154							
62	chr1	1.1E+08		0.227545	2.161648	0.032037	0.923148
cg224961							
02	chr15	78632677	CRABP1	0.622593	2.162926	0.031937	0.923131
cg198308							
48	chr14	20948815		-0.24965	-2.1601	0.032159	0.923973
cg232810							
12	chr11	1.19E+08		0.295376	2.165388	0.031745	0.922857
cg227861							
15	chr11	65431005	EHD1	-0.16475	-2.16555	0.031733	0.922857
cg255978							
94	chr1	18436734		0.274439	2.161303	0.032064	0.923203
cg013807							
47	chr3	1.28E+08		-0.20846	-2.16103	0.032086	0.923523
			IGLV3-25;IGLV3-				
cg088319							
99	chr22	22901697	21;SDF2L1;IGLC3	0.504956	2.15969	0.032191	0.924031

cg209345							
96	chr22	31481480		0.209902	2.165456	0.03174	0.922857
cg120374							
93	chr13	1.11E+08		0.371428	2.162844	0.031944	0.923131
cg018716							
95	chr7	1.28E+08 SMO		0.299864	2.161514	0.032048	0.923148
cg001008							
04	chr9	1.24E+08		0.361132	2.16222	0.031993	0.923131
cg052600							
77	chr21	37531890 DOPEY2		0.398464	2.169049	0.031461	0.92221
cg008193							
62	chr19	36524208		0.224404	2.160039	0.032164	0.923973
cg047072							
17	chr10	1.34E+08		-0.33398	-2.16321	0.031915	0.923131
cg069221							
55	chr5	889617		0.248092	2.159378	0.032216	0.924031
cg147819							
22	chr1	3568124		0.221943	2.164376	0.031824	0.923064
cg228478							
70	chr4	3378207 RNF4		0.238219	2.162509	0.03197	0.923131

			CEP41;SMO;NRF				
			1;KLHDC10;UBE2				
			H;SMKR1;FLNC;T				
cg100990			SPAN33;IRF5;TPI				
47	chr7	1.29E+08 1P2		0.285389	2.162058	0.032005	0.923131
cg190060							
60	chr12	15374609		0.215568	2.162841	0.031944	0.923131
cg275720							
38	chr13	44139725		-0.3292	-2.16258	0.031964	0.923131
ch.15.142							
8309R	chr15	85225048		0.226957	2.168605	0.031496	0.92242
cg272410							
44	chr13	23499838		0.391301	2.164541	0.031811	0.923064
ch.13.637							
16R	chr13	21732504		-0.31251	-2.16003	0.032164	0.923973
cg260399							
62	chr3	1.3E+08		-0.17948	-2.16032	0.032141	0.923628
cg003665							
05	chr16	88636230		0.218537	2.16	0.032167	0.923973
cg260090							
29	chr19	10762098		0.243266	2.162683	0.031956	0.923131
cg028323							
22	chr12	1.33E+08		-0.26447	-2.16289	0.03194	0.923131
cg150723							
06	chr17	43922875		0.245849	2.159693	0.032191	0.924031



cg111415							
61	chr5	1.34E+08		-0.13851	-2.16214	0.031999	0.923131
cg126048							
58	chr6	38061902		0.215444	2.164242	0.031834	0.923064
cg106604							
26	chr8	62825339		0.264879	2.16307	0.031926	0.923131
cg047782							
71	chr2	2.2E+08		-0.18273	-2.16208	0.032003	0.923131
cg178485							
31	chr2	1.83E+08		0.207302	2.166265	0.031677	0.922831

			SIX1;MNAT1;PC NXL4;SIX4;SLC38 A6;PRKCH;C14orf39;CCDC175				
cg068305							
00	chr14	60974461		0.342963	2.163104	0.031923	0.923131
cg203823							
44	chr1	2.05E+08		-0.30988	-2.16052	0.032126	0.923628
cg092767							
39	chr6	31588427		0.274032	2.162418	0.031977	0.923131
cg152327							
98	chr5	1.68E+08		0.225934	2.162207	0.031993	0.923131
cg107698							
91	chr3	37034730		-0.25168	-2.16046	0.032131	0.923628
cg191788							
53	chr4	1.74E+08		0.201513	2.15928	0.032224	0.924031

			ABI3;FAM117A;ENSG0000024895				
cg256577							
52	chr17	48201530	4;EPN3	-0.21575	-2.16084	0.032101	0.923628
cg272035							
58	chr11	73882172		-0.23222	-2.16315	0.031919	0.923131
cg000362							
58	chr16	4029218		0.295764	2.165559	0.031732	0.922857

			RPL21P8;ENSG0000259118				
cg208510							
97	chr14	65289835		-0.19098	-2.16329	0.031909	0.923131
cg064811							
58	chr13	49549440		-0.27528	-2.16075	0.032107	0.923628
cg262214							
94	chr8	575388		-0.22596	-2.16394	0.031858	0.923131
cg010121							
34	chr5	1.3E+08		0.269087	2.161598	0.032041	0.923148
cg162375							
29	chr16	900745	HBA2	-0.21634	-2.16146	0.032052	0.923148
cg023833							
23	chr2	1895701		-0.27064	-2.16171	0.032032	0.923148

cg251825							
23	chr1	1.85E+08	HMCN1;EDEM3	0.279968	2.164889	0.031784	0.923044
cg081516							
23	chr16	3242737	ABCA17P	0.421562	2.158908	0.032253	0.924031
cg081825							
94	chr14	83784904		0.321533	2.164989	0.031776	0.923033
cg078865							
81	chr6	14475789		-0.20416	-2.15769	0.032349	0.924821
cg141066							
32	chr19	7895393	CD209	-0.18709	-2.16154	0.032046	0.923148
cg006539							
60	chr1	12123313		0.255484	2.161417	0.032055	0.923148
cg208458							
35	chr1	2.17E+08		0.32365	2.158451	0.032289	0.924031
cg155912							
76	chr7	1265851		0.340813	2.161282	0.032066	0.923203
cg037418							
62	chr17	63225392	AXIN2	-0.29598	-2.16342	0.031898	0.923131
cg158440							
05	chr1	1472079		0.21654	2.163414	0.031899	0.923131
cg165189							
86	chr7	1.58E+08		-0.19259	-2.16218	0.031996	0.923131

			THRA;GSDMB;T OP2A;CASC3;IGF				
cg110942							
48	chr17	38494580	BP4	-0.20475	-2.16539	0.031745	0.922857
cg228149							
29	chr6	26458213	BTN2A3P	-0.19939	-2.15883	0.032259	0.924031
cg032257							
91	chr1	17046420		-0.21711	-2.15881	0.032261	0.924031
cg105247							
01	chr7	1.17E+08		0.30484	2.157855	0.032336	0.924747
cg003427							
43	chr10	76970673		-0.14941	-2.15854	0.032281	0.924031
cg182089							
98	chr6	28497338		-0.34943	-2.16078	0.032105	0.923628
cg003934							
17	chr16	8715627		-0.18011	-2.15835	0.032297	0.924058
cg078418							
77	chr1	1.82E+08		0.173954	2.163396	0.031901	0.923131
cg139612							
02	chr9	1.4E+08		0.213063	2.16172	0.032032	0.923148
cg217036							
82	chr18	33078285		0.263597	2.167593	0.031574	0.922462
cg231819							
50	chr14	65381464		-0.1737	-2.16286	0.031943	0.923131
cg100628							
74	chr14	91171058	TTC7B	0.27076	2.157651	0.032352	0.924835

cg076743							
04	chr16	78585546	-0.27	-2.16281	0.031947	0.923131	
cg087244							
93	chr1	2.06E+08	0.286623	2.162349	0.031982	0.923131	
cg066173							
41	chr2	1.77E+08	0.358591	2.161524	0.032047	0.923148	
cg024795							
75	chr19	4769653	0.235549	2.160637	0.032117	0.923628	
cg215359							
47	chr13	25875133	0.323218	2.157118	0.032394	0.925041	
cg156178							
47	chr2	65215434	-0.17222	-2.15886	0.032256	0.924031	
cg052834							
53	chr17	79659241	0.356975	2.159773	0.032185	0.924031	
cg070698							
44	chr19	1617027 HMHA1	-0.28218	-2.15931	0.032221	0.924031	
cg116894							
07	chr10	1.34E+08	0.201763	2.158103	0.032316	0.924309	
cg000256							
80	chr2	45180560	0.23642	2.158569	0.03228	0.924031	
cg172967							
29	chr18	55469509	-0.22664	-2.15835	0.032297	0.924058	
cg076399							
63	chr12	77157760	0.128471	2.161389	0.032058	0.923149	
cg182382							
36	chr16	86320980	-0.26139	-2.15924	0.032226	0.924031	
cg023104							
54	chr6	39683778	-0.30691	-2.16251	0.03197	0.923131	
cg033902							
11	chr16	325826	0.162921	2.16319	0.031917	0.923131	
cg186546							
65	chr10	69898895	-0.231	-2.16122	0.032071	0.923219	
cg118396							
82	chr12	1.31E+08 RIMBP2	-0.42039	-2.15688	0.032413	0.925041	
cg148789							
13	chr12	25094089	-0.28356	-2.15875	0.032265	0.924031	
cg159752							
17	chr4	1.41E+08	0.363403	2.161896	0.032018	0.923148	
cg220071							
10	chr7	30737599	-0.2548	-2.15536	0.032534	0.925371	
cg097938							
83	chr1	91300559	0.227638	2.158775	0.032263	0.924031	
cg235735							
26	chr4	7754465	-0.27515	-2.15757	0.032359	0.924882	
cg225176							
53	chr1	2918612	-0.34789	-2.15692	0.03241	0.925041	
cg124204							
72	chr1	1.45E+08	-0.23791	-2.16036	0.032139	0.923628	
cg087790		ENSG000002426					
67	chr7	99141099 87	-0.31934	-2.15667	0.03243	0.925041	

			ZNF418;ZNF154; ZSCAN1;ZNF135; ZNF671;ENSG00 000176593;ZIK1; ZSCAN18;ZNF54				
cg063680							
93	chr19	58513526	9	0.349515	2.160811	0.032103	0.923628
cg067106							
48	chr1	58716377		0.280497	2.160596	0.03212	0.923628
cg178222							
66	chr1	2720087		0.225891	2.161944	0.032014	0.923148
cg243278							
03	chr21	27108210		-0.22088	-2.15938	0.032216	0.924031
cg227093							
07	chr20	982768		0.290277	2.160358	0.032139	0.923628
cg226339							
32	chr4	1.4E+08		-0.2516	-2.15687	0.032414	0.925041
cg000517							
82	chr3	1.94E+08		0.194093	2.160165	0.032154	0.923925
cg241231							
98	chr4	1.84E+08		-0.2882	-2.15691	0.032411	0.925041
cg152852							
17	chr17	4425752		-0.25476	-2.15955	0.032202	0.924031
cg105290							
75	chr2	1.01E+08		-0.18667	-2.15828	0.032302	0.924077
cg053261							
40	chr4	1.46E+08		-0.22808	-2.15858	0.032279	0.924031
cg140958							
50	chr21	45196584		-0.17886	-2.15954	0.032203	0.924031
cg161443							
45	chr10	1.04E+08		-0.30653	-2.15955	0.032202	0.924031
cg133414							
41	chr13	44824424		-0.28336	-2.16089	0.032097	0.923628
cg140466							
64	chr6	33176513		-0.17386	-2.1573	0.03238	0.925022

			ENSG000002712 04;ENSG000002 33559;ENSG000 00273319;LINC-				
cg142459							
10	chr7	1.3E+08	PINT	0.174933	2.158149	0.032313	0.924268
cg010220							
12	chr2	2.33E+08	ARMC9	0.25964	2.161444	0.032053	0.923148
cg040818							
35	chr3	1.61E+08		0.318057	2.161182	0.032074	0.923244

cg005089						
50	chr12	1.33E+08	-0.30724	-2.15582	0.032497	0.925214
cg044219						
73	chr3	64670907	-0.23821	-2.15993	0.032173	0.923973
cg169250						
03	chr2	1684003	-0.2981	-2.15869	0.03227	0.924031
cg077850						
06	chr7	52342265	0.567402	2.156153	0.032471	0.92509
cg004290						
81	chr19	10764351	0.166383	2.158319	0.032299	0.924068
cg012152						
11	chr2	1.74E+08	-0.22461	-2.15952	0.032205	0.924031
cg052782						
56	chr22	26137980	0.210085	2.156991	0.032404	0.925041
cg249111						
23	chr19	38085748	0.147467	2.156715	0.032426	0.925041
cg247506						
27	chr6	1.44E+08	0.197168	2.15677	0.032422	0.925041
cg229215						
79	chr10	99161172	0.180031	2.161284	0.032066	0.923203
cg217652						
24	chr20	34359771	0.152718	2.155941	0.032488	0.925214
cg115183						
49	chr1	2.47E+08 ZNF670	0.356847	2.160831	0.032101	0.923628
cg039398						
75	chr1	46016565	0.174739	2.159081	0.032239	0.924031
cg197893						
92	chr11	61099826	-0.21114	-2.15993	0.032173	0.923973
cg167449		C10orf2;SFXN3;S				
11	chr10	1.02E+08 LC25A28	0.245071	2.158405	0.032292	0.924058
cg005494						
51	chr1	1.61E+08 ARHGAP30	0.379406	2.155829	0.032496	0.925214
cg185733						
83	chr12	75603401	0.375658	2.159246	0.032226	0.924031
cg014103						
16	chr7	971767	-0.27168	-2.16708	0.031614	0.922462
cg152781						
09	chr10	29214117 SVIL;MPP7	0.388801	2.162246	0.03199	0.923131
cg142761						
33	chr9	89061100	-0.3393	-2.15783	0.032338	0.924747
cg064186						
46	chr17	19140672	-0.13501	-2.15851	0.032284	0.924031
cg071511						
55	chr5	1473589	-0.25413	-2.15479	0.032579	0.925757
cg096792						
27	chr4	1.44E+08	-0.22796	-2.15961	0.032197	0.924031
cg247389						
24	chr2	1.22E+08	-0.33746	-2.15658	0.032436	0.925041

cg020362							
61	chr14	57276057		0.322283	2.155407	0.03253	0.925371
cg123113							
77	chr2	69091224		-0.26249	-2.15713	0.032393	0.925041
cg077330							
31	chr5	65018600		-0.21939	-2.16061	0.032119	0.923628
cg025999							
12	chr19	6472086		-0.22037	-2.1563	0.032459	0.92509
cg146555			BICD2;FAM120A				
90	chr9	95993065	OS;CENPP	-0.24092	-2.16632	0.031673	0.922831
cg100241							
38	chr10	1.35E+08		-0.23805	-2.15546	0.032526	0.925371
cg210046							
04	chr17	4378085		-0.19955	-2.16042	0.032134	0.923628
cg256911							
67	chr7	19184961		0.349861	2.157437	0.032369	0.924887
cg273400							
57	chr4	2902126		0.187419	2.15859	0.032278	0.924031
cg176671							
45	chr13	97762132		0.228902	2.160996	0.032088	0.923539
cg245769							
85	chr2	1.12E+08	LINC01106	-0.35815	-2.15857	0.032279	0.924031
cg155173							
43	chr18	77240640		-0.3265	-2.15851	0.032284	0.924031
cg212070							
03	chr3	1.14E+08		0.339207	2.158499	0.032285	0.924031
cg067107							
85	chr10	83683829		-0.36344	-2.15558	0.032516	0.925371
cg119560							
52	chr19	49302618		-0.22488	-2.1566	0.032435	0.925041
cg060421			ENSG000002537				
48	chr8	97138161	73;ENSG00000253872	-0.47773	-2.15536	0.032533	0.925371
cg131283							
05	chr8	95961759		0.13966	2.156263	0.032462	0.92509
cg208824							
55	chr6	1.08E+08		-0.21342	-2.15691	0.032411	0.925041
cg110690							
71	chr14	1.02E+08		-0.29777	-2.16065	0.032116	0.923628
cg243451							
47	chr1	2.43E+08		-0.2968	-2.15894	0.03225	0.924031
cg091590							
50	chr1	1563500	SKI	-0.41078	-2.1597	0.03219	0.924031
cg237840							
46	chr12	51346947		-0.24978	-2.15845	0.032289	0.924031
cg050623							
23	chr7	22590069		-0.21265	-2.15919	0.032231	0.924031

cg206173						
44	chr13	1.14E+08	-0.24351	-2.1555	0.032523	0.925371
cg135284						
45	chr4	57971925	0.252447	2.158885	0.032255	0.924031
cg210781						
98	chr7	6189918	0.237945	2.160801	0.032104	0.923628
cg264501						
88	chr19	46850188	0.172267	2.1549	0.03257	0.925606
cg113209						
10	chr8	11538786	0.201506	2.155845	0.032495	0.925214
cg129733						
65	chr21	38353318 DOPEY2	0.327841	2.164726	0.031797	0.923064
cg067082						
55	chr8	54570293	0.312506	2.15615	0.032471	0.92509
cg043593						
24	chr2	2.07E+08	0.267112	2.157232	0.032385	0.925041
cg066996						
38	chr8	37963308 ASH2L	-0.13541	-2.16048	0.032129	0.923628
cg245721						
37	chr3	1.29E+08 KIAA1257	-0.27163	-2.15668	0.032429	0.925041
cg077882						
04	chr9	1.16E+08 ZNF618	0.218973	2.166267	0.031677	0.922831
cg067373						
08	chr4	1.85E+08	0.671082	2.159371	0.032216	0.924031
cg068676						
23	chr14	1.01E+08 WARS	0.351276	2.154223	0.032624	0.926254
cg254732						
01	chr6	1.69E+08	-0.21767	-2.15637	0.032453	0.925072

		GPLD1;ALDH5A1				
cg003397		;DCDC2;KIAA031				
69	chr6	24489855 9;FAM65B	0.584804	2.158734	0.032267	0.924031
cg227173						
23	chr7	2094977	-0.45501	-2.16322	0.031914	0.923131
cg231809						
25	chr17	80753497	-0.17455	-2.15777	0.032342	0.924747
cg086587						
		OAS1;OAS2;SDS;				
87	chr12	1.14E+08 OAS3	0.270172	2.155902	0.032491	0.925214
cg154122						
91	chr17	66244249	-0.16586	-2.16175	0.032029	0.923148
cg047995						
88	chr10	6263484	0.215336	2.156175	0.032469	0.92509
cg025337						
24	chr10	1.3E+08	1.573413	2.159104	0.032237	0.924031
cg119013						
62	chr2	3507404	0.288393	2.157008	0.032403	0.925041
cg142173						
99	chr8	64081098	-0.14994	-2.15972	0.032189	0.924031

cg200697			ENSG000001765				
38	chr19	59031425	93	-0.20687	-2.16271	0.031954	0.923131
cg133583							
49	chr10	71211210	SAR1A	0.182096	2.155525	0.032521	0.925371
cg146894							
79	chr8	53326618		0.239543	2.157549	0.03236	0.924882
cg059274							
32	chr8	1.11E+08		-0.3291	-2.15615	0.032471	0.92509
cg144370							
72	chr8	1.44E+08		-0.30925	-2.15521	0.032546	0.925418
cg107620							
12	chr19	52511285		-0.23584	-2.15488	0.032572	0.925606
cg231454							
93	chr6	1.69E+08		-0.2697	-2.15953	0.032204	0.924031
cg168486							
24	chr7	45614290		0.220087	2.15796	0.032328	0.92457
cg112294							
57	chr12	42538627		-0.15596	-2.16035	0.032139	0.923628
cg253182							
96	chr13	1.01E+08		0.341366	2.157687	0.032349	0.924821
cg175063							
28	chr11	46868210		0.193481	2.157317	0.032378	0.925022
cg189301							
00	chr6	33280478		-0.23472	-2.15511	0.032554	0.925418
cg006470							
63	chr6	28510682		0.299301	2.157463	0.032367	0.924887
cg145669							
59	chr5	1.41E+08		0.414484	2.154272	0.03262	0.926254
cg105120			ENSG000002571				
20	chr12	69950496	39	0.314508	2.155996	0.032483	0.925214
cg228157							
66	chr11	1.34E+08	JAM3;IGSF9B	0.222955	2.15638	0.032453	0.925072
cg161902							
66	chr14	38680855		0.264656	2.163163	0.031919	0.923131
cg076129							
86	chr3	44283035		-0.33143	-2.1544	0.03261	0.926198
cg112073							
85	chr4	15781202		0.272232	2.156467	0.032446	0.925041
cg137844							
43	chr2	80807289		-0.25548	-2.15646	0.032446	0.925041
cg012154							
42	chr19	18980443	PDE4C	0.241325	2.158548	0.032281	0.924031
cg015084							
15	chr19	50154607		0.166325	2.160367	0.032138	0.923628
cg036073							
59	chr5	1.76E+08		0.1935	2.161431	0.032054	0.923148
cg230418							
22	chr15	24917974		-0.33079	-2.15705	0.0324	0.925041
cg044362							
07	chr3	1.47E+08		0.315611	2.154476	0.032604	0.926091



cg001939							
63	chr7	29923832		0.275263	2.159233	0.032227	0.924031
cg143384							
25	chr8	1.2E+08		0.323048	2.155735	0.032504	0.925277
cg151692							
86	chr5	36417932 IL7R		-0.36796	-2.16146	0.032052	0.923148
cg035309							
62	chr3	58475833		-0.28383	-2.1531	0.032714	0.926832
cg029519							
71	chr14	50698663		0.160478	2.155946	0.032487	0.925214
cg263073							
55	chr7	73938543		-0.49764	-2.15901	0.032244	0.924031
cg009621							
47	chr16	6949843		-0.38531	-2.15282	0.032736	0.926923
cg071114							
41	chr1	47130423		0.307689	2.154886	0.032571	0.925606
cg027588							
99	chr3	1.26E+08		-0.21806	-2.15515	0.03255	0.925418
cg156068							
94	chr5	1.71E+08		-0.23716	-2.15454	0.032599	0.926081
cg045744							
80	chr12	5545007		0.199673	2.158532	0.032282	0.924031
cg098072							
29	chr1	1.79E+08		-0.16025	-2.15381	0.032657	0.926582
cg244691							
59	chr11	1.34E+08		-0.19978	-2.15689	0.032412	0.925041
cg038349							
47	chr15	65321822		-0.17689	-2.15684	0.032417	0.925041
cg195936							
00	chr6	1.35E+08		0.272516	2.158891	0.032254	0.924031
cg248676							
53	chr3	38306594		-0.24293	-2.15514	0.032551	0.925418
cg151329							
22	chr3	9974529		-0.27436	-2.15534	0.032535	0.925371
cg127964							
10	chr6	1.45E+08		0.206489	2.15335	0.032694	0.926582
cg267551							
41	chr6	1.01E+08		0.294583	2.156247	0.032463	0.92509
cg085651							
39	chr3	1.6E+08		-0.22001	-2.15913	0.032235	0.924031
cg090867							
14	chr8	30515923		0.189396	2.155209	0.032546	0.925418
cg126240							
31	chr2	1668758		-0.21252	-2.15746	0.032367	0.924887
cg067601							
69	chr7	73081893		-0.23657	-2.15291	0.032729	0.926923
cg263772							
42	chr5	1.49E+08		0.19279	2.158699	0.032269	0.924031
cg036074							
85	chr3	1E+08		0.20735	2.15778	0.032342	0.924747

cg263664							
80	chr10	1.03E+08	C10orf2	-0.18642	-2.15367	0.032668	0.926582
cg112040							
99	chr12	22777820		0.307312	2.163378	0.031902	0.923131
cg073882							
16	chr16	3415311		0.413571	2.155513	0.032522	0.925371
cg273001							
85	chr1	2.14E+08		0.253582	2.153846	0.032654	0.926582
cg154129							
71	chr4	956119	ZNF876P;LETM1	-0.38556	-2.1566	0.032435	0.925041
cg050085							
70	chr6	31129828		0.232992	2.156848	0.032416	0.925041
cg081624							
73	chr11	2160721		-0.24493	-2.15493	0.032568	0.925606
cg073336							
08	chr2	2.4E+08		-0.25253	-2.15469	0.032587	0.925923
cg189461							
17	chr2	1.5E+08		0.223849	2.155887	0.032492	0.925214
cg068490							
90	chr4	1.29E+08		0.268001	2.153082	0.032715	0.926832
cg275787							
60	chr1	1.57E+08	PEAR1	-0.24823	-2.15545	0.032526	0.925371
cg051635							
88	chr7	73498778		0.221758	2.153466	0.032684	0.926582
cg082756							
08	chr6	32940303		-0.17184	-2.15303	0.032719	0.926832
cg024674							
51	chr12	1.33E+08		-0.34363	-2.15197	0.032804	0.927
cg047831			ENSG000001832				
61	chr1	87586929	91	-0.22592	-2.15679	0.03242	0.925041
cg174986							
62	chr6	41754992		-0.1645	-2.15724	0.032385	0.925041
cg227461							
82	chr8	41749867		0.232878	2.155864	0.032494	0.925214
cg249835							
39	chr11	99975877		-0.31798	-2.15394	0.032646	0.926556
cg090143							
54	chr12	55413878		0.338226	2.156611	0.032434	0.925041
cg230661							
39	chr10	1.34E+08		-0.24161	-2.15384	0.032655	0.926582
cg259947			SRPK1;CDKN1A;S				
25	chr6	35703435	TK38	-0.29476	-2.15341	0.032689	0.926582
cg088122							
35	chr7	23397533		0.26339	2.154244	0.032623	0.926254
cg089233							
49	chr11	14376795		-0.285	-2.15349	0.032683	0.926582
cg052979							
56	chr14	39836636		0.323155	2.153374	0.032692	0.926582

cg083470							
42	chr19	45579378		0.162893	2.153532	0.032679	0.926582
cg125319							
72	chr7	1.34E+08		0.284216	2.155503	0.032522	0.925371
cg017156							
86	chr13	1.13E+08	PROZ	-0.19643	-2.1529	0.03273	0.926923
cg245537							
75	chr2	1.75E+08		-0.38209	-2.15335	0.032694	0.926582
cg197867			ENSG000002572				
51	chr12	1.1E+08	21	0.229915	2.15396	0.032645	0.926556
			HOXB- AS2;HOXB4;HOX B3;COPZ2;TBKBP 1;PRR15L;MIR10 A;LRRC46;HOXB				
cg009113							
26	chr17	45723587	6	-0.40003	-2.15868	0.032271	0.924031
cg110509			PSMG3;GPR146;				
88	chr7	1952600	CYP2W1	0.276622	2.162138	0.031999	0.923131
cg003941							
80	chr8	97167170		0.254361	2.151563	0.032837	0.927186
cg133717							
40	chr1	2.13E+08		-0.17963	-2.15929	0.032223	0.924031
cg074279							
45	chr17	45973527		0.2618	2.153913	0.032649	0.926565
cg104841			IL32;PRSS22;CLD				
07	chr16	2281688	N9	-0.23905	-2.15272	0.032744	0.926923
cg232018			MAP4K1;PLEKHG				
17	chr19	40007922	2	-0.27292	-2.1518	0.032817	0.927
cg210300							
22	chr3	37876408		0.220845	2.151984	0.032803	0.927
cg115972							
77	chr20	52492248		-0.30452	-2.15826	0.032304	0.924077
cg259064							
35	chr7	2123600		0.180315	2.153347	0.032694	0.926582
cg130085							
38	chr7	3083741	CARD11	-0.3045	-2.15361	0.032673	0.926582
cg050941							
37	chr16	53125208		0.363108	2.159448	0.03221	0.924031
cg243840							
34	chr11	70858463		-0.31146	-2.1532	0.032705	0.92673
cg029631							
14	chr12	26348437		0.17606	2.151814	0.032816	0.927
cg056384							
26	chr3	12878574	MKRN2	0.231615	2.157593	0.032357	0.924882

cg133722							
93	chr2	2.04E+08		0.461359	2.150612	0.032913	0.927531
cg112515							
54	chr19	54204562		0.248664	2.151325	0.032856	0.927321
cg025323							
41	chr3	10399439 HRH1;FANCD2		-0.25236	-2.15575	0.032503	0.925277
cg091313							
32	chr22	50482045		0.433973	2.152162	0.032789	0.927
cg197039							
46	chr2	1.2E+08		0.236815	2.154611	0.032593	0.926033
cg179003							
56	chr3	53190593		-0.30037	-2.15043	0.032928	0.927607
cg091217							
72	chr10	1.32E+08		-0.29599	-2.15189	0.03281	0.927
cg112210							
47	chr8	1.05E+08		-0.21535	-2.15437	0.032612	0.926206
cg002554							
05	chr1	1.79E+08		0.280793	2.155441	0.032527	0.925371
cg244229							
00	chr19	19753746 ZNF101		-0.39195	-2.15251	0.032761	0.926951
cg130088							
79	chr14	21852452		-0.1662	-2.15428	0.03262	0.926254
cg219106							
73	chr3	24143257 UBE2E1		-0.31232	-2.15246	0.032765	0.926951
cg176675							
95	chr13	1.13E+08		0.431251	2.15644	0.032448	0.925041
cg033351							
25	chr1	46088541		0.214023	2.153651	0.03267	0.926582
cg109507							
23	chr6	31645677		0.188625	2.15142	0.032848	0.927321
cg171458							
06	chr1	6295537 ACOT7		0.224189	2.151407	0.032849	0.927321
cg131516							
64	chr3	1.24E+08 MUC13;KALRN		-0.32226	-2.15364	0.032671	0.926582
cg252548							
25	chr12	1.29E+08		0.282245	2.155842	0.032495	0.925214
cg001976							
36	chr8	57906363		-0.15302	-2.1513	0.032858	0.927321
cg065222							
88	chr8	77586439		0.271278	2.153188	0.032707	0.92673
cg142154							
64	chr12	1.14E+08		-0.17952	-2.1513	0.032857	0.927321
cg089266							
42	chr1	7887455		0.588013	2.153058	0.032717	0.926832
cg223733							
92	chr17	45973408		-0.22697	-2.15534	0.032535	0.925371
cg217834							
42	chr1	2.02E+08		0.299206	2.152466	0.032764	0.926951
cg006009							
16	chr7	1.59E+08 LINC00689		-0.22546	-2.15412	0.032633	0.926414

cg223185							
51	chr6	88061115		0.25626	2.150727	0.032904	0.927515
cg187084							
60	chr6	1E+08		0.179152	2.152371	0.032772	0.926951
cg251847							
54	chr2	2.39E+08		-0.23401	-2.15161	0.032832	0.927159
cg180710							
71	chr4	1558451		-0.33378	-2.15331	0.032697	0.926582
cg032426			PMP22;ADORA2				
66	chr17	15168570	B;TRIM16	-0.20778	-2.15748	0.032366	0.924887
cg148476							
88	chr14	59932113		0.181941	2.152592	0.032754	0.926951
cg117317							
45	chr6	32166772		-0.30937	-2.14997	0.032965	0.927948
cg018234			MOB3C;CCDC17; ENSG000002364				
16	chr1	47082372	76;CYP4B1	-0.15128	-2.15054	0.032918	0.927565
cg228774							
80	chr6	44355161		0.291562	2.150912	0.032889	0.927515
cg165171							
14	chr6	32937355		-0.19534	-2.15734	0.032377	0.925022
cg065665							
34	chr5	1.4E+08		0.186348	2.150758	0.032901	0.927515
cg207246							
80	chr19	49000743		0.383687	2.155233	0.032544	0.925418
cg109790							
20	chr14	23425983		-0.19005	-2.15451	0.032601	0.926081
cg049927							
04	chr1	6304361		0.207106	2.156467	0.032446	0.925041
cg210122							
96	chr20	21502728		0.285473	2.149027	0.03304	0.92849
cg086436							
18	chr1	1189466		0.274569	2.153395	0.03269	0.926582
cg253516							
53	chr19	16917553		-0.26246	-2.1501	0.032954	0.927895
cg152646							
10	chr18	34857935		0.283845	2.149672	0.032988	0.92819
cg152139							
88	chr17	4997134		-0.19543	-2.15236	0.032773	0.926951
cg250958			CASP10;CASP8;A LS2CR11;NDUFB 3;FZD7;TMEM23				
14	chr2	2.02E+08	7	-0.5271	-2.15499	0.032563	0.925606
cg086300							
55	chr12	1.01E+08		-0.16072	-2.15212	0.032792	0.927

cg108923							
75	chr14	21944853		0.196764	2.156466	0.032446	0.925041
cg099109							
84	chr1	11596500		-0.27734	-2.15084	0.032895	0.927515
cg248071							
69	chr4	1.01E+08		-0.32242	-2.15287	0.032732	0.926923
cg014472							
54	chr11	429437		-0.18308	-2.15011	0.032953	0.927895
cg090685							
20	chr17	3374904		-0.32117	-2.15261	0.032753	0.926951
cg104884							
76	chr17	48133676		-0.23501	-2.15189	0.03281	0.927
cg050052							
17	chr8	25317638		0.344599	2.15082	0.032896	0.927515
cg246831							
21	chr2	9698980		-0.24119	-2.15364	0.03267	0.926582
cg196286							
86	chr6	33158503		-0.32524	-2.15528	0.03254	0.925418
cg185661		TCF21;EYA4;SGK					
77	chr6	1.34E+08 1		-0.63479	-2.15398	0.032643	0.926556
cg018699							
55	chr8	1011835 ARHGEF10		0.231817	2.150938	0.032887	0.927515
cg052560							
41	chr22	18956815		-0.15218	-2.15108	0.032876	0.927515
cg004134							
03	chr5	1.54E+08		-0.26777	-2.1562	0.032467	0.92509
cg251492							
51	chr7	1E+08		-0.22593	-2.1551	0.032554	0.925418
cg244776							
40	chr19	8274103		0.17562	2.148558	0.033078	0.92849
cg211478							
90	chr2	2.3E+08		0.198884	2.154551	0.032598	0.926081
cg129085							
17	chr5	64064244		-0.29859	-2.15241	0.032769	0.926951
cg220370							
77	chr21	19191843		-0.16107	-2.15151	0.032841	0.927203
cg187670		TIMP2;SEC14L1;					
57	chr17	76175611 C1QTNF1		0.241286	2.149837	0.032975	0.928089
cg166266							
70	chr19	7797031 MYO1F		0.249891	2.148774	0.033061	0.92849
cg080928							
63	chr12	53688252		-0.22669	-2.14917	0.033029	0.928416
cg037971							
39	chr6	1.39E+08 HEBP2		-0.52007	-2.1525	0.032762	0.926951
cg138538							
94	chr10	34393934		-0.26266	-2.15215	0.03279	0.927
cg262838							
93	chr12	54332457		-0.1596	-2.15409	0.032635	0.926421

cg038754							
33	chr14	64010215		-0.27981	-2.15044	0.032927	0.927607
cg020225							
19	chr11	1.16E+08		0.144796	2.154214	0.032625	0.926254
cg045210							
04	chr3	1.58E+08		0.265304	2.149483	0.033004	0.928266
cg080264							
16	chr1	2.49E+08		-0.23006	-2.15203	0.032799	0.927
cg073109							
84	chr10	91087591		-0.26246	-2.15277	0.03274	0.926923
cg175989							
97	chr1	45672616		-0.26459	-2.15357	0.032676	0.926582
cg119161							
95	chr7	1.31E+08		0.264192	2.150754	0.032901	0.927515
cg232020							
58	chr4	1.85E+08		0.230917	2.149986	0.032963	0.927948
ch.3.3303							
606F	chr3	1.7E+08		0.244712	2.152382	0.032771	0.926951
cg090282							
28	chr5	71618796		-0.19787	-2.15296	0.032725	0.926923
cg145268							
74	chr4	17348908		-0.30486	-2.15027	0.032941	0.927741
cg095234							
72	chr8	1.18E+08		0.236115	2.153544	0.032678	0.926582
cg098095							
67	chr12	1.04E+08		0.393373	2.151794	0.032818	0.927
cg160474							
90	chr17	73717197		-0.14212	-2.14943	0.033008	0.928266
cg027619							
60	chr18	77507709		-0.36366	-2.15077	0.0329	0.927515
cg062419							
01	chr6	43244304		0.264079	2.149825	0.032976	0.928089
cg142124							
47	chr2	2.26E+08		-0.23949	-2.15172	0.032824	0.927051
cg067001							
46	chr17	6926400	MIR497HG	0.248517	2.151065	0.032877	0.927515
cg003995							
91	chr16	18802159		0.536972	2.150546	0.032918	0.927565
cg220911							
10	chr18	5630348		0.248409	2.149502	0.033002	0.928266
cg249691							
87	chr12	1.33E+08		-0.23447	-2.14994	0.032967	0.927948
cg145094			SMTN;UQCR10;P				
03	chr22	30476281	ES1;MTMR3	0.362547	2.150249	0.032942	0.927741
cg022184			PDK1;ENSG0000				
96	chr2	1.73E+08	0225205	0.189499	2.15172	0.032824	0.927051

cg137603							
47	chr22	42343277	-0.16734	-2.15648	0.032445	0.925041	
cg180863							
86	chr5	1.63E+08	-0.39435	-2.15273	0.032743	0.926923	
cg110371							
34	chr19	3185679	-0.26707	-2.1534	0.03269	0.926582	
cg182354							
65	chr10	73471634	-0.25419	-2.1484	0.033091	0.928551	
cg000404							
27	chr19	14044197	0.262548	2.148641	0.033071	0.92849	
cg135580							
61	chr22	22090124	-0.19425	-2.1507	0.032906	0.927526	
cg168305							
45	chr17	17120324	0.24352	2.151549	0.032838	0.927186	
cg252104							
51	chr6	72130407	-0.22157	-2.15099	0.032882	0.927515	
cg276468							
85	chr12	1.27E+08	0.306233	2.147711	0.033146	0.928551	
cg072020							
92	chr16	5084832	-0.38251	-2.1522	0.032786	0.927	
cg034677							
26	chr1	22473159	-0.20967	-2.15197	0.032804	0.927	
cg049821							
66	chr20	23549522	-0.30759	-2.15064	0.032911	0.927531	
cg196275							
21	chr6	1.07E+08	0.181454	2.150369	0.032932	0.927607	
cg107345							
81	chr14	1.02E+08 DEGS2	-0.29118	-2.15084	0.032894	0.927515	
ch.11.198							
0478F	chr11	94597700	-0.35	-2.152	0.032802	0.927	
cg229425							
71	chr19	48867246	0.165988	2.148623	0.033073	0.92849	
cg029216							
34	chr21	43109546	-0.19238	-2.1512	0.032866	0.927496	
cg082736							
40	chr4	6909718	0.28538	2.14823	0.033105	0.928551	
cg133029							
94	chr2	2.11E+08	-0.38406	-2.15036	0.032933	0.927607	
cg265455							
19	chr2	418075	-0.28771	-2.14943	0.033008	0.928266	
cg171073							
64	chr8	65491906	0.246469	2.148544	0.033079	0.92849	
cg054047							
92	chr16	56650847	0.197856	2.148616	0.033073	0.92849	
cg245085							
61	chr11	1.1E+08	-0.31682	-2.14922	0.033025	0.928364	
cg252077							
76	chr2	9960899	-0.28098	-2.15239	0.032771	0.926951	
cg007751							
72	chr22	37601268	-0.21164	-2.14787	0.033133	0.928551	



cg237423							
14	chr12	5282086	0.447291	2.152569	0.032756	0.926951	
cg147971							
98	chr22	45403175	-0.20559	-2.14615	0.033273	0.929344	
cg175905							
89	chr16	88788890	0.26956	2.151066	0.032876	0.927515	
cg253708							
69	chr3	47450742 CCRL2	-0.21085	-2.14979	0.032979	0.928104	
cg083158							
29	chr8	1.46E+08	-0.2161	-2.14926	0.033022	0.928364	
cg051384							
03	chr14	93510791	-0.4933	-2.14816	0.03311	0.928551	
cg061632							
16	chr11	534323	0.21992	2.147451	0.033167	0.928551	
cg172821							
61	chr20	43977080	0.114787	2.152761	0.032741	0.926923	
cg147524							
29	chr2	26569594	0.188262	2.146612	0.033235	0.928801	
cg061239							
76	chr22	17489752	-0.17153	-2.14877	0.033061	0.92849	
cg080496							
14	chr16	1172036	-0.15874	-2.15039	0.032931	0.927607	
cg235846							
47	chr11	61717191	0.214791	2.148574	0.033077	0.92849	
cg181445							
93	chr2	71116411	0.335562	2.147376	0.033174	0.928551	
cg111413							
36	chr10	88702316	0.30736	2.148513	0.033082	0.92849	
cg218473							
93	chr3	50383483	0.191792	2.151022	0.03288	0.927515	
cg187764							
72	chr10	50732819	-0.2523	-2.15248	0.032763	0.926951	
cg087272							
18	chr6	87832318	-0.36218	-2.15022	0.032944	0.927745	
cg066174							
14	chr6	14211210	0.192301	2.148687	0.033068	0.92849	
cg150782							
11	chr7	42265517	0.365823	2.156649	0.032431	0.925041	
cg078661							
37	chr8	67579786	-0.16668	-2.14798	0.033124	0.928551	
cg255800							
76	chr10	1.03E+08	-0.24986	-2.15215	0.032789	0.927	
cg085431							
43	chr19	34262072	-0.20014	-2.14531	0.03334	0.929541	
cg108211							
36	chr1	1.79E+08	-0.18958	-2.14818	0.033108	0.928551	
cg244044							
79	chr15	99602366	0.150515	2.149714	0.032985	0.928157	
cg158256							
92	chr1	85527943	0.192762	2.151131	0.032871	0.927515	

cg026938							
70	chr16	55689324		0.278308	2.146718	0.033227	0.928781
cg003643							
57	chr15	64443650		0.204107	2.150816	0.032897	0.927515
cg046098							
01	chr16	28609176		-0.26644	-2.15221	0.032785	0.927
cg254162							
30	chr7	1.49E+08		-0.25275	-2.15188	0.032812	0.927
cg154758							
51	chr10	1.05E+08	SH3PXD2A	0.337453	2.146726	0.033226	0.928781
cg139727							
11	chr7	5391031		0.271541	2.149224	0.033024	0.928364
cg060663							
03	chr11	60197138		-0.18431	-2.14736	0.033175	0.928551
cg081189							
08	chr16	15787920		-0.28185	-2.14474	0.033387	0.929541
cg067863			HOXA1;HOXA- AS2;HOXA3;NFE				
72	chr7	27141388	2L3;CBX3	0.287894	2.148252	0.033103	0.928551
cg167060			TMEM133;ARHG				
99	chr11	1.01E+08	AP42	-0.47176	-2.14683	0.033218	0.928711
cg210973							
54	chr7	27179161		0.324928	2.145238	0.033347	0.929541
cg068117							
78	chr16	2230200		-0.23154	-2.14665	0.033232	0.928801
cg224349							
06	chr18	34409338		0.184411	2.152762	0.032741	0.926923
cg074112			ARHGEF25;ARH				
38	chr12	58022029	GAP9;B4GALNT1	0.183724	2.151848	0.032814	0.927
cg207880							
20	chr8	1.06E+08		-0.46407	-2.14596	0.033288	0.929529
cg090833							
59	chr5	3854537		0.289602	2.145907	0.033292	0.929541
cg142636							
28	chr6	52284803		0.263662	2.149088	0.033035	0.928473
cg214109			ISL1;ENSG00000				
91	chr5	50678451	259663	0.372574	2.145046	0.033362	0.929541
cg043447							
30	chr1	57575654		0.204375	2.150924	0.032888	0.927515
cg166908							
85	chr13	1.13E+08		-0.27636	-2.14711	0.033195	0.928551
cg192161							
62	chr20	35234231	SRC	-0.16298	-2.14709	0.033197	0.928551

cg045991							
58	chr7	1.42E+08		-0.35976	-2.14694	0.033208	0.928597
cg081546							
98	chr19	8274065		0.149406	2.147637	0.033152	0.928551
cg165626							
03	chr7	32529678		-0.2149	-2.14849	0.033083	0.92849
cg201789							
24	chr10	92680146		-0.30249	-2.14815	0.033111	0.928551
cg140631							
91	chr9	1.31E+08	LCN2;PKN3;ENG	0.418916	2.145693	0.03331	0.929541
cg146228							
57	chr15	21941432		-0.21068	-2.1475	0.033164	0.928551
cg215823							
25	chr12	1.21E+08	P2RX4	0.288426	2.150657	0.032909	0.927531
cg252672							
85	chr6	26235290		0.21354	2.151656	0.032829	0.927129
cg177407							
52	chr1	2529902		-0.22685	-2.14847	0.033085	0.92849
cg210521							
64	chr1	1.55E+08		0.248314	2.152162	0.032789	0.927
cg207175							
85	chr5	1.41E+08		0.453234	2.143986	0.033448	0.929541
cg154597							
73	chr1	2.31E+08		0.347084	2.14432	0.033421	0.929541
cg023845							
01	chr7	94292939		-0.32416	-2.14774	0.033144	0.928551

			TBX2;TBX4;METT				
			L2A;ENSG00000				
			267137;ENSG00				
cg221108							
96	chr17	59533081	000267280	0.389233	2.14927	0.033021	0.928364
cg082787							
41	chr19	36736477		0.273862	2.149012	0.033042	0.92849
cg000370							
58	chr2	1.79E+08		-0.15457	-2.14818	0.033109	0.928551
cg171090							
36	chr2	289731		-0.35508	-2.14588	0.033295	0.929541
cg158224							
11	chr11	85566560		0.256462	2.145561	0.03332	0.929541
cg088346							
02	chr19	44220122		-0.21141	-2.14771	0.033146	0.928551
cg219523							
13	chr16	71918406		0.367805	2.148461	0.033086	0.92849
cg181227							
43	chr2	41921124	EML4	-0.31628	-2.14605	0.033281	0.92942
cg173447							
70	chr19	3537694	S1PR4	-0.38195	-2.14786	0.033134	0.928551

cg106516							
18	chr6	90122152		-0.20096	-2.1476	0.033155	0.928551
cg123757							
22	chr5	1.41E+08		0.497411	2.145421	0.033332	0.929541
cg096330							
81	chr6	7692342		-0.27961	-2.15331	0.032697	0.926582
ch.16.480							
36888F	chr16	49479387		-0.21613	-2.14951	0.033001	0.928266
cg058878							
21	chr10	1.35E+08		0.229317	2.146405	0.033252	0.929018
cg101004							
24	chr1	3178384	SKI;RER1;DFFB	-0.34092	-2.14934	0.033015	0.928364
cg262510							
98	chr11	1.31E+08		-0.30548	-2.14634	0.033257	0.929018
cg075333							
12	chr4	37250539		-0.24314	-2.14827	0.033101	0.928551
cg007546							
88	chr2	2.25E+08		-0.34909	-2.14788	0.033133	0.928551
cg170333							
59	chr11	57638157		-0.22843	-2.14868	0.033068	0.92849
cg005886							
14	chr10	43932900		-0.25682	-2.14767	0.033149	0.928551
cg049423							
34	chr2	2.35E+08		-0.15359	-2.14852	0.033081	0.92849
cg172881							
42	chr5	1.41E+08		0.289359	2.145044	0.033362	0.929541
cg209143							
70	chr7	27779595		-0.18939	-2.14947	0.033005	0.928266
cg033898							
48	chr2	1.87E+08		0.170282	2.148779	0.03306	0.92849
cg124710							
71	chr8	6479360		0.232603	2.147305	0.033179	0.928551

			IGHV3-23;IGHV3-15;IGHV5-51;IGHA1;IGHV3-48;IGHM;IGHV3-7;IGHA2;IGHGP;ENSG000002575				
cg237081							
33	chr14	1.06E+08	56	-0.18346	-2.14714	0.033193	0.928551
cg065885							
56	chr11	18477299		0.641191	2.149626	0.032992	0.928233
cg189056							
68	chr11	18388147		-0.27451	-2.14913	0.033032	0.928434
cg076145							
21	chr2	17982878		0.281019	2.147298	0.03318	0.928551

cg089352							
38	chr5	1.41E+08		0.294213	2.149293	0.033019	0.928364
ch.17.113							
1311F	chr17	41573041		0.331093	2.147008	0.033203	0.928597
cg102068							
82	chr14	25411743		0.335651	2.14462	0.033397	0.929541
cg114698							
18	chr17	78093132		0.346928	2.15194	0.032806	0.927
cg070432							
47	chr10	11085755		-0.33399	-2.14471	0.03339	0.929541
cg185645							
87	chr6	28481839	SCAND3;TRIM27	-0.26487	-2.14714	0.033193	0.928551
cg022446							
95	chr7	1.5E+08		0.345554	2.143402	0.033496	0.929541
cg051912							
17	chr5	1.54E+08	GALNT10	0.712062	2.143846	0.03346	0.929541
cg176779							
87	chr17	13018217		0.264003	2.144562	0.033402	0.929541
cg239070							
04	chr8	23069349		0.262447	2.148269	0.033101	0.928551
cg254374							
11	chr10	1.01E+08		0.3179	2.146875	0.033214	0.92867
cg250382							
83	chr15	52820560		-0.16918	-2.1445	0.033406	0.929541
cg188196							
20	chr6	1.55E+08		-0.25387	-2.14789	0.033132	0.928551
cg236121							
42	chr6	1.59E+08		0.189288	2.146957	0.033207	0.928597
cg221350							
64	chr3	1.1E+08		0.294281	2.14874	0.033063	0.92849
cg219565			PRX;LTBP4;AXL;Z				
07	chr19	41197903	NF780B;PSMC4	-0.18637	-2.14711	0.033195	0.928551
cg046460							
96	chr16	58664450		0.188595	2.148682	0.033068	0.92849
cg020763							
55	chr10	45474372		-0.31294	-2.14557	0.03332	0.929541
cg155462							
82	chr1	1903425		0.26538	2.146033	0.033282	0.92942
cg030701							
87	chr19	6739184	DENND1C	0.151632	2.143812	0.033463	0.929541
cg133662							
19	chr17	74236288		-0.29524	-2.14481	0.033382	0.929541
cg219812							
70	chr10	45914525	ALOX5	0.270294	2.145428	0.033331	0.929541
cg009174							
13	chr7	1.16E+08		-0.45692	-2.14764	0.033152	0.928551
cg270395							
34	chr10	1.28E+08		0.314042	2.147163	0.033191	0.928551

cg203324							
08	chr6	31047783		0.362087	2.147757	0.033143	0.928551
cg042484							
46	chr3	75955844		0.285959	2.148037	0.03312	0.928551
cg097322							
84	chr10	1.35E+08		-0.22111	-2.15038	0.032931	0.927607
cg161504							
16	chr4	1.18E+08		0.330324	2.148521	0.033081	0.92849
cg075767							
14	chr1	3123338		-0.17326	-2.14639	0.033254	0.929018
cg018530							
79	chr11	1.08E+08		0.306895	2.142813	0.033544	0.929541
cg037394							
70	chr8	1.45E+08		-0.21397	-2.14716	0.033191	0.928551
cg109025							
66	chr4	727664		-0.28776	-2.14331	0.033503	0.929541
cg203800							
69	chr12	1.21E+08		-0.16397	-2.14436	0.033418	0.929541
cg180851							
17	chr10	1.26E+08		0.244715	2.151319	0.032856	0.927321
cg249339							
26	chr3	40566397	MOBP;ULK4	0.163482	2.147311	0.033179	0.928551
cg158748							
77	chr5	1.41E+08		0.361319	2.146686	0.033229	0.928793
cg068914							
55	chr12	25405317		-0.37834	-2.14387	0.033458	0.929541
cg221270							
27	chr11	18417840		0.161055	2.146081	0.033278	0.92942
cg119016							
95	chr2	1291450		0.262672	2.149965	0.032965	0.927948
cg045546							
13	chr2	1.7E+08	NOSTRIN;BBS5	-0.29582	-2.14505	0.033362	0.929541
cg160235							
45	chr2	2.37E+08		0.469675	2.14792	0.03313	0.928551
cg062424							
49	chr8	1.45E+08		-0.1888	-2.14659	0.033237	0.928801
cg133939							
64	chr16	20753279		-0.19661	-2.1432	0.033512	0.929541
cg015248							
53	chr12	54447807	TENC1;MUCL1	0.298056	2.146318	0.033259	0.929018
cg259820							
66	chr15	1.02E+08		-0.342	-2.14377	0.033466	0.929541
cg159393							
47	chr8	1.43E+08		-0.18135	-2.14397	0.033449	0.929541
cg069629							
18	chr7	18127112		-0.44844	-2.1473	0.033179	0.928551
cg241074							
43	chr22	23729011	SPECC1L	-0.2556	-2.14541	0.033332	0.929541
cg084825							
31	chr10	8078127		0.293147	2.141898	0.033619	0.929541

cg011748			CCDC146;ENSG0				
43	chr7	77802594	0000232756	-0.29459	-2.14717	0.03319	0.928551
cg124475							
89	chr1	17765625		0.354727	2.142669	0.033556	0.929541
cg080839							
88	chr19	38040340		-0.3077	-2.14381	0.033463	0.929541
cg026259							
29	chr1	2.21E+08		0.260363	2.142965	0.033532	0.929541
cg113542							
66	chr7	41746034	SUGCT;GLI3	0.401051	2.144006	0.033447	0.929541
cg275784			ENSG000002142				
58	chr19	7968585	48	0.150205	2.14422	0.033429	0.929541
cg166661							
15	chr6	43655680		-0.22614	-2.14711	0.033195	0.928551
cg060986							
93	chr11	70002283		-0.46727	-2.14721	0.033187	0.928551
cg133138							
36	chr15	60687284	ANXA2	-0.38223	-2.14318	0.033514	0.929541
cg004629			DYRK4;ANO2;V				
51	chr12	5539736	WF;NTF3	0.250831	2.147533	0.033161	0.928551
cg249326							
86	chr7	27224954		0.206995	2.149422	0.033008	0.928266
cg159524							
65	chr6	1.13E+08		-0.30104	-2.14411	0.033438	0.929541
cg189068							
15	chr12	1.25E+08		-0.24158	-2.14781	0.033138	0.928551
cg144591							
30	chr2	1.75E+08	WIPF1	0.278306	2.147868	0.033134	0.928551
cg212047							
64	chr9	34522064		0.197927	2.142611	0.033561	0.929541
cg235486							
40	chr8	789977		-0.25975	-2.14263	0.033559	0.929541
cg244526							
02	chr7	1.57E+08		-0.21162	-2.14516	0.033353	0.929541
cg036187							
41	chr1	1.83E+08		-0.25118	-2.14483	0.03338	0.929541
cg040094							
56	chr4	25379436		-0.36005	-2.14355	0.033484	0.929541
cg063543							
92	chr2	1.77E+08		0.287321	2.148006	0.033123	0.928551
cg070745							
75	chr11	43559972		0.369784	2.145699	0.033309	0.929541
cg156185							
33	chr1	2.29E+08		-0.27206	-2.14416	0.033435	0.929541
cg160983							
04	chr2	2.43E+08		-0.24233	-2.14484	0.033379	0.929541

cg097324							
05	chr4	1.87E+08		0.531998	2.141217	0.033674	0.929585
cg124004							
30	chr6	99872842		0.204641	2.146432	0.03325	0.929018
cg152035							
97	chr14	91976656		-0.33598	-2.14703	0.033202	0.928597
cg274434							
16	chr11	6291447		0.31664	2.14552	0.033324	0.929541
ch.2.1134							
293R	chr2	47498499		-0.37444	-2.14414	0.033436	0.929541
cg052263							
35	chr11	70253499		-0.33546	-2.1487	0.033066	0.92849
cg155437							
36	chr11	10311279		-0.23652	-2.14082	0.033707	0.929585
cg166861							
75	chr17	57642721		0.287643	2.146358	0.033256	0.929018
cg197363							
69	chr19	12949639		-0.15124	-2.1434	0.033496	0.929541

cg144665			TPRG1;ENSG000				
06	chr3	1.88E+08	00224049;TP63	0.289702	2.149764	0.032981	0.928104
cg133692							
06	chr2	3606108		-0.17395	-2.14354	0.033484	0.929541
cg270550							
83	chr19	55869569	TTYH1	-0.21888	-2.1451	0.033358	0.929541
cg075145							
05	chr13	96743754		0.251037	2.14797	0.033126	0.928551
cg267328							
08	chr6	1.68E+08		-0.20047	-2.14287	0.03354	0.929541
cg106984							
04	chr7	75988421		0.142145	2.143347	0.033501	0.929541
cg248860							
27	chr1	5932678		-0.28867	-2.14488	0.033376	0.929541
cg014616							
41	chr1	2.26E+08		-0.23733	-2.14527	0.033344	0.929541
cg038438							
52	chr15	55611099		-0.22691	-2.1479	0.033131	0.928551
cg184582							
95	chr11	46722285		0.177383	2.143775	0.033466	0.929541
cg114260							
80	chr10	1.35E+08		0.285248	2.140822	0.033707	0.929585
cg192841							
31	chr6	28889521		0.229253	2.142279	0.033588	0.929541
cg058922							
13	chr17	72542430		-0.24822	-2.14257	0.033564	0.929541

cg004639			ERCC4;ABCC6P2; MPV17L;NOMO				
57	chr16	14583487	1	0.311528	2.150027	0.03296	0.927948



cg269454							
13	chr9	95896008 FGD3	-0.19148	-2.14528	0.033344	0.929541	
cg051364							
76	chr3	53190709	-0.20973	-2.14256	0.033565	0.929541	
cg075137							
68	chr15	69744528	0.32127	2.141644	0.03364	0.929541	
cg120140							
52	chr19	57649797	-0.30101	-2.14155	0.033647	0.929541	
cg074534							
07	chr19	46404031 GIPR;SNRPD2	0.214287	2.141249	0.033672	0.929585	
cg226168							
81	chr7	96642096	0.271143	2.14344	0.033493	0.929541	
cg149819							
60	chr1	68607289 DEPDC1	0.452652	2.143294	0.033505	0.929541	
cg075624							
83	chr10	29698470	-0.48319	-2.14154	0.033648	0.929541	

		PPFIA4;TMEM18					
		3A;RABIF;PPP1R					
		12B;UBE2T;KDM					
cg221261		5B;LGR6;CYB5R1					
71	chr1	2.03E+08 ;KLHL12;SYT2	-0.34578	-2.14345	0.033492	0.929541	
cg226574							
65	chr6	76022515 COX7A2	0.376083	2.14299	0.03353	0.929541	
cg240277							
42	chr11	64895147	0.218812	2.144737	0.033387	0.929541	
cg236797							
69	chr1	1.57E+08	0.23179	2.142307	0.033585	0.929541	
cg231775							
76	chr2	2829759	-0.23556	-2.1436	0.03348	0.929541	
cg108833							
52	chr3	1.43E+08 TRPC1	-0.3544	-2.14189	0.033619	0.929541	
cg238552							
57	chr13	27746147	-0.14567	-2.14137	0.033662	0.929573	
cg205956							
21	chr6	1.15E+08	-0.31832	-2.143	0.033529	0.929541	
cg227453							
69	chr6	3517953 ECI2;SERPINB1	-0.32618	-2.14546	0.033328	0.929541	
cg163243							
06	chr14	93786330 RIN3;PPP4R4	0.318864	2.145772	0.033303	0.929541	
cg177312							
43	chr2	1932996	-0.22732	-2.14308	0.033523	0.929541	
cg063741							
65	chr3	1.92E+08	0.227314	2.143816	0.033462	0.929541	

cg022809			ZNF549;ZNF773;				
12	chr19	58400095	ZIK1;ZNF154	0.300714	2.145007	0.033365	0.929541
cg207371							
85	chr6	1.11E+08		-0.2145	-2.14675	0.033224	0.928781
cg218799							
81	chr10	32636639		0.236257	2.145437	0.033331	0.929541
cg260718							
06	chr7	1E+08		0.294537	2.143062	0.033524	0.929541
cg181578							
38	chr10	81679852		-0.2303	-2.14583	0.033298	0.929541
cg228761							
53	chr19	36865766	ZNF566;ZNF529	0.278687	2.143741	0.033468	0.929541
cg207242							
27	chr3	50341694	MON1A	-0.20841	-2.14034	0.033746	0.929585
cg028558							
83	chr12	68052121		-0.24719	-2.14403	0.033445	0.929541
cg264147							
50	chr5	59996066		-0.14897	-2.14167	0.033637	0.929541
cg026595							
81	chr1	3467842		-0.20068	-2.13976	0.033794	0.929585
cg090272							
55	chr1	2796193	TP73-AS1	-0.2723	-2.14082	0.033707	0.929585
cg018551							
18	chr6	1.57E+08		-0.37843	-2.14362	0.033478	0.929541
cg120242							
92	chr9	1.2E+08		0.355717	2.140982	0.033694	0.929585
cg194639							
82	chr17	48614436		-0.30561	-2.1455	0.033325	0.929541
cg187666							
08	chr11	61488356		-0.24435	-2.14449	0.033408	0.929541
cg237186							
06	chr6	27219812		-0.22432	-2.14364	0.033476	0.929541
cg139668							
78	chr15	54270693		0.218242	2.141827	0.033625	0.929541
cg003417							
18	chr16	1153002		0.223409	2.142016	0.033609	0.929541
cg265030							
73	chr7	6704074		0.346051	2.141434	0.033657	0.929541
cg184767							
78	chr12	1.25E+08		0.211796	2.147568	0.033158	0.928551
cg265410							
01	chr19	39420548	EIF3K	0.290391	2.142295	0.033586	0.929541
cg056296							
06	chr21	47544366		-0.22597	-2.14001	0.033774	0.929585
cg049410							
18	chr19	36342859		0.174428	2.142435	0.033575	0.929541
cg217220							
58	chr4	1.29E+08		-0.21664	-2.14873	0.033064	0.92849

cg098639							
17	chr9	97767458		-0.24176	-2.14289	0.033538	0.929541
cg007547							
40	chr14	1.06E+08		-0.24922	-2.14333	0.033502	0.929541
cg204035							
28	chr2	2.37E+08		-0.30548	-2.14186	0.033622	0.929541
ZNF667- AS1;ZNF542;ZIK1 ;PEG3;ZNF667;Z							
cg084315							
67	chr19	57175043	NF471;ZNF211	-0.37074	-2.1419	0.033619	0.929541
cg144857							
44	chr8	1.19E+08	SAMD12	0.35418	2.14298	0.03353	0.929541
cg013061							
51	chr16	89775031		-0.24878	-2.14329	0.033505	0.929541
cg025781							
03	chr16	67021154		0.278786	2.145318	0.03334	0.929541
cg272955							
94	chr3	1.25E+08		-0.18863	-2.14331	0.033504	0.929541
cg082414							
01	chr20	3824289		-0.26318	-2.14004	0.033771	0.929585
cg036472							
33	chr11	1.17E+08		-0.24816	-2.14285	0.033541	0.929541
cg011903							
17	chr8	1.44E+08		-0.22153	-2.14284	0.033542	0.929541
cg047621							
29	chr6	34105785		-0.15198	-2.14019	0.033759	0.929585
cg202761							
14	chr19	19764795		-0.2368	-2.14473	0.033388	0.929541
cg128642							
21	chr7	70814208	WBSCR17	0.382247	2.145635	0.033314	0.929541
cg238291							
93	chr10	72546264		0.252108	2.140984	0.033694	0.929585
cg180408							
26	chr3	1.57E+08		-0.32994	-2.14298	0.03353	0.929541
cg041507							
62	chr11	628677		0.224019	2.142484	0.033571	0.929541
cg040901							
47	chr5	56247905		-0.15601	-2.14086	0.033704	0.929585
cg053013							
83	chr2	1.72E+08		0.283053	2.146934	0.033209	0.928597
cg030428							
02	chr1	15984979		0.233565	2.141579	0.033645	0.929541
cg145538							
81	chr17	79361650	CD7	-0.35563	-2.14148	0.033653	0.929541
cg049827							
48	chr12	66696283		-0.20079	-2.13964	0.033804	0.929585

cg058580							
79	chr1	2.23E+08	TLR5	0.295632	2.142655	0.033557	0.929541
cg261529							
23	chr19	18284120	RPL18A;FCHO1	-0.18536	-2.14492	0.033373	0.929541
cg110402							
38	chr6	31143798		-0.22955	-2.16339	0.031901	0.923131
cg186445							
43	chr19	1067356		-0.15497	-2.14307	0.033523	0.929541
cg193413							
44	chr11	57335140		-0.15249	-2.14023	0.033755	0.929585
cg032096							
84	chr16	70473648		0.247135	2.140394	0.033742	0.929585
cg015556							
14	chr6	50786369		0.340064	2.143321	0.033503	0.929541
cg194476							
30	chr3	1.04E+08		-0.32122	-2.14023	0.033755	0.929585
cg139307							
66	chr9	1.23E+08		-0.3034	-2.13935	0.033828	0.929585
cg176539							
72	chr19	55815941		0.273157	2.141775	0.033629	0.929541
cg165569							
36	chr15	42565284		0.302018	2.14102	0.033691	0.929585
cg172366							
17	chr1	6454202		-0.19649	-2.14504	0.033363	0.929541
cg235866							
59	chr1	2.26E+08	PARP1;ACBD3	0.304492	2.139856	0.033786	0.929585
cg045596							
47	chr10	1.26E+08	GPR26	-0.15632	-2.14006	0.033769	0.929585
cg230698							
22	chr3	1.44E+08		0.176376	2.14431	0.033422	0.929541
cg196320							
26	chr7	1.33E+08		-0.23536	-2.1428	0.033545	0.929541
cg160283							
36	chr1	2E+08		-0.26405	-2.14091	0.0337	0.929585
cg264985							
74	chr10	88425627		-0.16309	-2.14295	0.033533	0.929541
cg080733							
12	chr3	1.37E+08		0.265755	2.141693	0.033636	0.929541
cg048437							
75	chr17	48503406		0.187296	2.144419	0.033413	0.929541
cg066553							
49	chr19	10332165	CDKN2D;ICAM3	-0.27865	-2.14447	0.033409	0.929541
cg081744							
62	chr12	56709715	IKZF4	0.200262	2.144081	0.033441	0.929541
cg155092							
86	chr3	19186531		-0.3365	-2.14141	0.033658	0.929541
cg126208							
93	chr7	1.03E+08		-0.35341	-2.14094	0.033697	0.929585
cg107268							
16	chr6	27635802		0.33405	2.142768	0.033548	0.929541

cg074477							
42	chr13	49793170		0.238234	2.141451	0.033655	0.929541
cg051255							
21	chr12	6391359 PLEKHG6		-0.27928	-2.14146	0.033654	0.929541
cg163750							
48	chr4	1.58E+08		-0.33676	-2.13848	0.033899	0.929585
cg027644							
16	chr6	31852426		0.276806	2.139512	0.033814	0.929585
cg076650							
58	chr10	75542084		-0.33322	-2.14349	0.033488	0.929541
cg027917							
53	chr11	43579906		0.290515	2.142826	0.033543	0.929541
cg246840							
50	chr12	77157769		-0.17349	-2.14093	0.033698	0.929585
cg269948							
85	chr12	77260534 CSRP2		0.418741	2.141041	0.033689	0.929585
cg126422							
37	chr17	6703447 WSCD1		0.347159	2.14251	0.033569	0.929541
cg113052							
59	chr19	6199442		-0.15024	-2.14226	0.033589	0.929541
cg001012							
60	chr17	53426657		-0.26893	-2.14058	0.033727	0.929585
cg038289							
47	chr5	1800132		-0.27435	-2.14215	0.033598	0.929541
cg163911							
82	chr17	76625526		-0.26412	-2.13999	0.033775	0.929585
cg004235							
98	chr7	1.56E+08 RNF32		0.22747	2.138757	0.033876	0.929585
cg025990							
68	chr2	25195213		-0.33093	-2.14173	0.033633	0.929541
cg009799							
31	chr11	72533664		0.301266	2.144336	0.03342	0.929541
cg146842							
96	chr19	51071316 CLDND2		-0.19514	-2.14147	0.033654	0.929541
cg138894							
25	chr9	1.4E+08		0.282055	2.138125	0.033928	0.929585
cg121742							
80	chr8	7543899		0.288533	2.142269	0.033588	0.929541
cg021869							
48	chr11	36310854		-0.19469	-2.13922	0.033838	0.929585
cg267196							
29	chr11	2163299		0.264762	2.140234	0.033755	0.929585
cg026985							
80	chr10	86016643		0.335606	2.144188	0.033432	0.929541
cg179371							
82	chr19	10579634		0.215407	2.142651	0.033557	0.929541
cg202078							
90	chr1	38470622 FHL3		-0.18498	-2.14553	0.033323	0.929541
cg140294							
53	chr9	1.4E+08		-0.20022	-2.13991	0.033782	0.929585

cg014882							
60	chr6	32136431		-0.16758	-2.14228	0.033588	0.929541
			CD44;SLC1A2;EL				
			F5;ENSG000002				
cg049541			55443;ENSG000				
11	chr11	34363786	00184566;HIPK3	0.36531	2.143069	0.033523	0.929541
cg124037							
78	chr12	11804115		0.331705	2.138891	0.033865	0.929585
			IFT43;CIPC;SAM				
cg044246			D15;VASH1;TTLL				
43	chr14	76887369	5;GPATCH2L	-0.19591	-2.14073	0.033714	0.929585
cg099820							
69	chr13	21477337		0.180957	2.140595	0.033725	0.929585
cg269007							
50	chr19	41109870		-0.19057	-2.13822	0.033921	0.929585
			NME4;TMEM8A;				
cg079155			SOX8				
16	chr16	377344		-0.35498	-2.14178	0.033629	0.929541
cg021346							
06	chr9	1.39E+08		-0.19223	-2.13976	0.033794	0.929585
cg068764							
04	chr16	30941527		-0.23223	-2.14231	0.033585	0.929541
cg087148							
95	chr1	17996919		0.288767	2.142926	0.033535	0.929541
cg234628							
61	chr16	2198479		0.185345	2.142037	0.033607	0.929541
cg049571							
32	chr17	1395371		-0.27245	-2.14012	0.033764	0.929585
cg124782							
66	chr1	1.78E+08		0.242589	2.140336	0.033747	0.929585
cg260109							
08	chr6	31628367		0.191115	2.145184	0.033351	0.929541
cg152707							
72	chr4	95128926		-0.33924	-2.14247	0.033572	0.929541
cg029462							
04	chr14	54430663		0.413722	2.139939	0.033779	0.929585
cg040403							
17	chr13	1.14E+08		0.230053	2.141442	0.033656	0.929541
cg083675							
73	chr3	1.95E+08		-0.21199	-2.13917	0.033842	0.929585
cg184526							
00	chr8	9911543		0.323847	2.138547	0.033894	0.929585
cg172108							
37	chr5	35954233		-0.40545	-2.13944	0.03382	0.929585

cg216635							
39	chr18	12991062		-0.24049	-2.14083	0.033706	0.929585
cg036129							
14	chr13	44016176		-0.27039	-2.1429	0.033537	0.929541
cg229496		ENSG000002706					
16	chr19	10136161 14		-0.28018	-2.14027	0.033752	0.929585
cg019826							
37	chr3	1.74E+08		-0.33568	-2.13856	0.033892	0.929585
cg193674							
66	chr12	1.24E+08 DNAH10		-0.14587	-2.14319	0.033513	0.929541
cg034455							
16	chr2	95664233		0.225276	2.138474	0.0339	0.929585
cg175150							
76	chr17	73810948		-0.2272	-2.14162	0.033642	0.929541
cg037868		TMEM106A;UBT					
08	chr17	41994384 F		-0.20667	-2.14215	0.033598	0.929541
cg190252							
34	chr5	79378772		0.290665	2.137134	0.03401	0.929585
cg115189							
38	chr1	1.59E+08 C1orf204		-0.28903	-2.13989	0.033784	0.929585
cg078348							
41	chr10	1.3E+08		-0.3469	-2.14064	0.033721	0.929585
cg242420							
02	chr18	21594044		0.210421	2.140462	0.033736	0.929585
cg274516							
10	chr12	1.33E+08 GOLGA3		-0.29243	-2.13951	0.033815	0.929585
cg206240							
09	chr6	1.33E+08		0.251135	2.140422	0.03374	0.929585

		ENSG000002061					
		13;ENSG000002					
		48399;ENSG000					
		00249428;SH3B					
		P2;ENSG000002					
		43894;FAM86EP					
cg273199							
71	chr4	3255056 ;NOP14		0.35834	2.146575	0.033238	0.928801
cg265422							
83	chr5	43040505		-0.35553	-2.13782	0.033954	0.929585
cg038641							
21	chr18	77454602		0.372902	2.138456	0.033901	0.929585
cg263690							
98	chr6	1.12E+08		-0.19789	-2.14026	0.033753	0.929585
cg069018		WBSCR22;ELN;B					
93	chr7	73400692 CL7B		-0.19311	-2.14163	0.033641	0.929541

cg029441						
23	chr3	2812875	-0.27621	-2.13794	0.033944	0.929585
cg192972						
32	chr16	68483021	0.330349	2.142866	0.03354	0.929541
cg150209						
64	chr12	45308058	0.209557	2.138605	0.033889	0.929585
cg245959						
57	chr14	20811627	-0.22291	-2.13981	0.03379	0.929585
cg167456						
04	chr2	2.02E+08 CASP10	0.497729	2.137687	0.033965	0.929585
cg252536						
77	chr19	54485730	0.23171	2.142396	0.033578	0.929541
cg123620						
60	chr15	41575950	-0.186	-2.13893	0.033862	0.929585
cg039364						
49	chr16	56696967	0.318398	2.137096	0.034013	0.929585
cg137737						
05	chr15	88799820	-0.19273	-2.14278	0.033547	0.929541
cg074771						
09	chr7	99006266 ZCWPW1	-0.15294	-2.13874	0.033878	0.929585
cg146314						
86	chr9	1.18E+08	0.312534	2.139071	0.033851	0.929585
cg261155						
31	chr12	48340533	-0.29705	-2.13575	0.034124	0.930379
cg065401						
93	chr10	1.05E+08	-0.51987	-2.14386	0.033459	0.929541
cg193731						
99	chr14	1.03E+08	-0.22528	-2.14017	0.03376	0.929585
cg134615						
54	chr2	49037725 STON1	-0.41512	-2.13836	0.033909	0.929585
cg217908						
51	chr13	73634643	0.35803	2.143047	0.033525	0.929541
cg101259						
01	chr3	5071083	-0.23246	-2.14218	0.033596	0.929541
ch.3.3436						
88R	chr3	15065423	-0.34795	-2.13939	0.033824	0.929585
cg186865						
47	chr2	1.53E+08	-0.32231	-2.14174	0.033632	0.929541
cg023678						
50	chr16	68273877	0.266749	2.136787	0.034039	0.929585
cg002181						
46	chr15	31619396	0.135631	2.141737	0.033632	0.929541



			HS3ST6;IFT140;N HLRC4;METRN;B AIAP3;CCDC78;H AGH;HAGHL;WD R90;ENSG00000				
cg096150							
56	chr16	1478718	261659;PIGQ	-0.3161	-2.1389	0.033865	0.929585
cg073500							
40	chr5	1.46E+08		-0.2456	-2.13872	0.033879	0.929585
cg066170							
93	chr1	1.58E+08	FCRL3;AIM2	-0.2637	-2.13751	0.033979	0.929585
cg030851							
70	chr1	37783921	FHL3	0.284497	2.138146	0.033927	0.929585
cg236385							
56	chr13	1.11E+08		-0.27922	-2.14194	0.033616	0.929541
cg254383							
71	chr19	48965006	PPP1R15A	0.360388	2.139326	0.03383	0.929585
cg165355							
98	chr14	35589334		-0.21919	-2.13912	0.033847	0.929585
cg013391							
83	chr6	41751312		-0.25395	-2.13759	0.033973	0.929585
cg134113							
73	chr11	93280125		-0.24603	-2.1393	0.033832	0.929585
cg175345							
64	chr12	1.25E+08		-0.29805	-2.13913	0.033846	0.929585
cg158550							
40	chr21	44719219	TFF3	-0.23537	-2.14006	0.033769	0.929585
cg219273							
63	chr9	15552206		-0.21184	-2.14176	0.03363	0.929541
cg028836							
04	chr4	24478362	SOD3;CCDC149	0.28468	2.138253	0.033918	0.929585
cg167124							
81	chr16	60556955		-0.29924	-2.14077	0.033711	0.929585
cg083067							
66	chr10	49205543		-0.22576	-2.13709	0.034014	0.929585
cg203561							
36	chr4	7802238		0.377541	2.140709	0.033716	0.929585
cg058552							
08	chr7	31089142	ZNRF2;GARS	-0.27724	-2.13798	0.03394	0.929585
cg274552							
11	chr16	86734223		-0.25556	-2.14026	0.033753	0.929585
cg032996							
17	chr2	2.42E+08		-0.15227	-2.14039	0.033742	0.929585
cg017793							
83	chr10	94180753		0.293587	2.139796	0.033791	0.929585

cg023020							
35	chr16	54155477	-0.19697	-2.14059	0.033725	0.929585	
cg262064							
56	chr8	992484	0.23581	2.139191	0.033841	0.929585	
cg081169							
15	chr4	8597048	-0.32713	-2.13739	0.033989	0.929585	
cg209670							
06	chr1	52343400	0.309146	2.13803	0.033936	0.929585	
cg119664							
32	chr8	1617616	0.259121	2.140963	0.033695	0.929585	
cg232512							
48	chr14	55907374	0.351282	2.140099	0.033766	0.929585	
cg198765							
42	chr19	36763026	1.04036	2.136834	0.034035	0.929585	
cg202994							
14	chr3	29447628	0.334006	2.141226	0.033674	0.929585	
cg185095							
24	chr8	62052594	0.297342	2.138496	0.033898	0.929585	
cg167045							
60	chr2	15777810	0.295944	2.138227	0.03392	0.929585	
cg225175							
52	chr7	30518520	0.125876	2.140985	0.033693	0.929585	
cg099396							
73	chr11	45714930	-0.24786	-2.13785	0.033951	0.929585	
cg265786							
21	chr11	1.11E+08	-0.31088	-2.13842	0.033904	0.929585	
cg221586							
50	chr7	27291388	-0.27853	-2.13673	0.034043	0.929585	
cg046414							
03	chr6	9896941	0.26438	2.139876	0.033784	0.929585	
cg185158							
72	chr14	72943461	-0.47986	-2.13733	0.033994	0.929585	
cg264318							
15	chr8	668053	-0.38467	-2.14141	0.033658	0.929541	
cg019233							
95	chr4	3685577	-0.33007	-2.13566	0.034132	0.930379	
cg146200							
65	chr12	10753265	0.30469	2.14078	0.03371	0.929585	
cg061815							
41	chr1	54871523	-0.15765	-2.13564	0.034133	0.930379	
cg238032							
06	chr1	47798847	0.283542	2.136832	0.034035	0.929585	
cg194252							
95	chr11	1989233	0.292226	2.136357	0.034074	0.929853	
cg236716							
99	chr19	2307632	0.225039	2.137474	0.033982	0.929585	
cg239682		NAP1L4;TSPAN3					
13	chr11	2481965 2	-0.34315	-2.13669	0.034047	0.929585	
cg154104							
18	chr5	59559180 ELOVL7	-0.32202	-2.13677	0.03404	0.929585	

cg143805							
19	chr9	79516862		-0.2449	-2.13835	0.03391	0.929585
cg199760							
11	chr1	87380779		-0.21353	-2.14166	0.033639	0.929541
cg134247							
66	chr9	1.26E+08		0.22051	2.138265	0.033917	0.929585
cg230373							
86	chr5	45695467		0.354422	2.137512	0.033979	0.929585
cg056332							
87	chr16	2932616		-0.30078	-2.13578	0.034122	0.930379
cg248443							
87	chr6	20215399		0.344489	2.135635	0.034134	0.930379
cg269477							
73	chr14	93392220		0.187596	2.137526	0.033978	0.929585
cg101493							
37	chr18	76734278		0.273497	2.136567	0.034057	0.929733
cg040466							
69	chr22	30476206 UQCR10;PES1		0.43568	2.13764	0.033968	0.929585

			TTLL10- AS1;ENSG00000 223764;MXRA8; TTLL10;SAMD11; ANKRD65;RNF22 3;VWA1;ENSG00				
cg235962							
91	chr1	907638 000272106		-0.42065	-2.13624	0.034084	0.929933
cg184887							
45	chr11	67141242		-0.23881	-2.13919	0.03384	0.929585
cg249298							
34	chr22	29457241 TTC28;UQCR10		0.270018	2.135017	0.034185	0.930713
cg219076							
63	chr1	93250255		-0.16522	-2.13875	0.033877	0.929585
cg154776							
80	chr7	1.51E+08		-0.25818	-2.13685	0.034034	0.929585
cg115719							
43	chr3	44771316		0.168437	2.136834	0.034035	0.929585
cg074972							
23	chr5	98106612		0.183132	2.141962	0.033614	0.929541
cg256800							
14	chr17	80458576		-0.15574	-2.13741	0.033988	0.929585
cg156355							
03	chr19	11101976		-0.21948	-2.13652	0.034061	0.929733
cg039837							
26	chr11	70319482		-0.25429	-2.13892	0.033863	0.929585
cg242602							
18	chr8	29208126		0.145883	2.136696	0.034046	0.929585

cg023360		ENSG000002146					
18	chr7	63497712	52	0.299363	2.137238	0.034002	0.929585
cg133190							
14	chr6	52929919		-0.24607	-2.1358	0.034121	0.930379
cg166568							
26	chr5	1.59E+08		0.188514	2.136552	0.034058	0.929733
cg127415							
39	chr12	42719903		-0.18815	-2.13853	0.033895	0.929585
cg187796							
01	chr5	1.76E+08		0.196029	2.13878	0.033874	0.929585
cg175115							
41	chr4	6986192		0.295694	2.13706	0.034016	0.929585
cg096339							
73	chr17	1957365		-0.20364	-2.13802	0.033937	0.929585
cg273091							
55	chr11	1300211		-0.26031	-2.13881	0.033872	0.929585
cg129362							
38	chr1	2254582	TTC34	0.312625	2.140846	0.033705	0.929585
cg128445							
69	chr22	31363807		0.28065	2.139584	0.033808	0.929585
cg076355							
67	chr4	6037446	S100P	0.25739	2.13736	0.033992	0.929585
cg050319							
95	chr17	7530871		-0.17856	-2.14544	0.033331	0.929541
cg060603							
38	chr8	74884601		-0.22942	-2.137	0.034021	0.929585
cg273002							
30	chr17	37844220		0.125732	2.13874	0.033878	0.929585
cg035438							
93	chr20	21080692		0.257359	2.13994	0.033779	0.929585
cg051924							
52	chr5	71852759		-0.22022	-2.13677	0.034041	0.929585
cg142545							
62	chr9	84213071		-0.2545	-2.13639	0.034072	0.929853
cg179292							
73	chr22	37967569		-0.26943	-2.13366	0.034298	0.931495
cg191099							
09	chr11	64570509		0.170717	2.135625	0.034135	0.930379
cg115374			CDON;ENSG000				
06	chr11	1.25E+08	00254967	-0.48003	-2.14234	0.033583	0.929541
cg275245							
31	chr16	711706		0.342532	2.135088	0.034179	0.930713
cg268085							
10	chr4	3673098		0.191896	2.134977	0.034189	0.930713
cg056397							
47	chr12	49740942		0.280543	2.138647	0.033885	0.929585
cg034477							
42	chr6	1.6E+08		0.20578	2.136789	0.034039	0.929585

cg077754							
20	chr12	1.1E+08	GIT2	-0.19416	-2.13825	0.033918	0.929585
cg013853							
12	chr7	5393918		0.349385	2.138955	0.03386	0.929585
cg006408							
25	chr17	10086882		-0.22202	-2.13914	0.033844	0.929585
cg015322							
18	chr6	30524746		-0.25014	-2.13834	0.033911	0.929585
cg236813							
11	chr22	22221878	BMS1P20	0.205046	2.142318	0.033584	0.929541
cg240513							
50	chr1	77165461		-0.33853	-2.13625	0.034083	0.929933
cg208359							
89	chr17	76905770		-0.23172	-2.13676	0.034041	0.929585
cg145396							
75	chr6	33290888		-0.1569	-2.13573	0.034126	0.930379
cg263940							
08	chr8	1.46E+08		-0.25916	-2.13858	0.033891	0.929585
cg118538							
30	chr5	92914036	KIAA0825	0.298599	2.139389	0.033824	0.929585
cg256785							
87	chr11	6129408	TRIM5	-0.34469	-2.13418	0.034255	0.931144
cg245259							
88	chr4	19134792		-0.38538	-2.13269	0.034379	0.931624
cg134979			ECM2;OGN;ASP				
26	chr9	96057804	N;OMD	-0.37927	-2.14342	0.033495	0.929541
cg002490							
30	chr1	33546871	YARS;DCDC2B	0.236957	2.133186	0.034338	0.931624
cg028238							
03	chr19	57019958		0.236767	2.132623	0.034384	0.931624
cg069945							
02	chr17	74846138		0.28146	2.134622	0.034218	0.930878
cg128970							
58	chr3	1.2E+08		0.196664	2.136928	0.034027	0.929585
cg218936							
63	chr13	1.06E+08		0.225061	2.137359	0.033992	0.929585
cg020889							
96	chr7	41817771		-0.33014	-2.13547	0.034148	0.93043
cg063163							
15	chr17	30592997		-0.16747	-2.1386	0.03389	0.929585
cg262330							
84	chr5	15510258		0.283575	2.141178	0.033678	0.929585
cg128021							
13	chr17	56741		0.223968	2.136876	0.034031	0.929585
cg170397			ENSG000002441				
22	chr1	2.31E+08	37;CAPN9;GALN T2	0.269654	2.137799	0.033955	0.929585

cg061289							
99	chr16	77247126		0.253814	2.136899	0.03403	0.929585
cg011787							
03	chr1	12066560		0.221929	2.134201	0.034253	0.931144
cg089537							
26	chr4	9508177		-0.22005	-2.13459	0.03422	0.930878
cg132416							
59	chr12	1.32E+08		0.21409	2.139012	0.033855	0.929585
cg071805							
23	chr6	30325715 ZNRD1-AS1		-0.2131	-2.13894	0.033861	0.929585
cg237610							
17	chr4	1.86E+08		0.349749	2.138247	0.033918	0.929585

cg227758			PITPNM2;ENSG0				
01	chr12	1.24E+08 0000251497		0.288716	2.133988	0.034271	0.931255
cg096586							
78	chr3	1.48E+08		0.290484	2.137755	0.033959	0.929585
cg084284							
86	chr7	1.4E+08		-0.30572	-2.13507	0.034181	0.930713
cg114398							
21	chr15	48483834		0.317296	2.132928	0.034359	0.931624
cg025395							
39	chr11	67340713		-0.28025	-2.13792	0.033945	0.929585
cg043595							
27	chr19	7980718		0.29707	2.135529	0.034143	0.930418
cg274711							
56	chr2	1.02E+08		-0.25433	-2.13786	0.03395	0.929585
cg115199							
03	chr4	96300982		-0.242	-2.13869	0.033882	0.929585
cg247712							
06	chr2	2.04E+08		-0.17876	-2.13729	0.033998	0.929585
cg236112							
20	chr6	29793607		-0.20045	-2.13697	0.034024	0.929585
cg118812							
46	chr7	4211395		0.199004	2.137377	0.03399	0.929585
cg020683							
90	chr6	33419512 DAXX		-0.1828	-2.13289	0.034362	0.931624

cg270257			PSME4;SPTBN1;				
22	chr2	54773290 CLHC1		-0.37381	-2.13486	0.034198	0.930829
cg178261							
68	chr19	6464103		0.211734	2.134485	0.034229	0.930878
cg198785							
68	chr6	41741219		0.257181	2.134685	0.034213	0.930878
cg232820							
51	chr2	2.39E+08		-0.15202	-2.13361	0.034302	0.931495
cg043674							
27	chr2	1.29E+08 UGGT1		0.225069	2.132615	0.034385	0.931624

cg059286							
49	chr18	70211774		0.218046	2.136799	0.034038	0.929585
cg175483							
95	chr10	60461164		0.377511	2.134016	0.034268	0.931255
cg101285							
11	chr3	98452940		0.383945	2.135902	0.034112	0.930379
cg083014							
93	chr12	80438119		-0.37182	-2.13436	0.03424	0.930983
cg161707							
67	chr6	99290737		0.293304	2.134403	0.034236	0.930945
cg259404							
85	chr1	1.18E+08 FAM46C		-0.35196	-2.13931	0.033831	0.929585
cg105067							
15	chr14	1.01E+08		-0.24493	-2.13929	0.033833	0.929585
cg200956							
80	chr19	49457927		-0.21685	-2.13768	0.033965	0.929585
cg036372							
59	chr3	41241661		0.230793	2.133731	0.034292	0.931495
cg117392							
25	chr14	35591523		-0.16371	-2.13576	0.034123	0.930379
cg228987							
45	chr13	1.13E+08		0.261272	2.133624	0.034301	0.931495
cg196246			PSEN2;ENSG000				
01	chr1	2.27E+08 00234478		0.403628	2.135033	0.034184	0.930713
cg251771							
39	chr4	87770089 AFF1		-0.28048	-2.13935	0.033828	0.929585
cg054779							
20	chr4	1.47E+08		0.367788	2.139532	0.033813	0.929585
cg132269							
68	chr11	528653 IFITM2		-0.38997	-2.13455	0.034224	0.930878
cg119975							
36	chr19	16176297		-0.26291	-2.13399	0.03427	0.931255
cg149661							
74	chr2	24166650		-0.30449	-2.13351	0.034311	0.93154
cg037884							
65	chr11	25961072		-0.34819	-2.13495	0.034191	0.930713
cg078343							
22	chr15	25438254		-0.25241	-2.13636	0.034074	0.929853
cg128329							
56	chr2	9616023		0.280398	2.135489	0.034146	0.93043
cg042041							
18	chr10	4194429		0.304019	2.137209	0.034004	0.929585
cg172613							
03	chr10	1.34E+08		0.229545	2.132041	0.034433	0.93166
cg054132							
77	chr2	74642087		0.278007	2.136285	0.03408	0.929933
cg146210							
90	chr13	1.14E+08		0.237825	2.135579	0.034139	0.930387

cg117008						
00	chr5	92906633	0.257346	2.132379	0.034405	0.93166
cg181190						
85	chr7	6121093	-0.18864	-2.13795	0.033943	0.929585
cg070205						
40	chr2	1.03E+08	-0.28028	-2.13535	0.034158	0.930467
cg132767						
55	chr2	2.34E+08	-0.22311	-2.1327	0.034378	0.931624
cg179491						
62	chr10	1.21E+08	-0.30009	-2.13219	0.034421	0.93166
cg121900						
44	chr9	1.03E+08	0.252215	2.132686	0.034379	0.931624
cg241970						
51	chr10	99349361	-0.20484	-2.13588	0.034114	0.930379
cg011810						
09	chr3	62305213	-0.33541	-2.13736	0.033992	0.929585
cg257035						
67	chr6	52128822	-0.30852	-2.13404	0.034267	0.931255
cg145895						
53	chr9	1.4E+08	-0.28825	-2.13509	0.034179	0.930713
cg042121						
50	chr18	56531132	0.237127	2.132426	0.034401	0.931624
cg146002						
13	chr13	1.14E+08	-0.24561	-2.13378	0.034288	0.931495
cg151509						
70	chr2	25473529	0.142699	2.139458	0.033819	0.929585
cg194031						
01	chr1	2.46E+08	-0.3462	-2.13337	0.034322	0.931624
cg012361						
32	chr13	1.13E+08	0.239131	2.135378	0.034155	0.930467
cg004954						
33	chr16	1268551	-0.21631	-2.13583	0.034118	0.930379
cg183974						
50	chr14	1.06E+08	-0.24854	-2.13653	0.03406	0.929733
cg007091						
12	chr10	1.18E+08	0.249709	2.135375	0.034156	0.930467
cg087151						
46	chr22	46067137 GTSE1	0.258539	2.134488	0.034229	0.930878
cg095426						
90	chr3	44519182 TMEM158	-0.17012	-2.13307	0.034347	0.931624
cg260871						
17	chr19	53636229 ZNF415	0.298168	2.13535	0.034158	0.930467
cg037557						
48	chr16	87996816	-0.31042	-2.13246	0.034398	0.931624
cg141697						
99	chr6	33373978	0.225063	2.136868	0.034032	0.929585
cg049998						
60	chr15	42450339	0.328445	2.130101	0.034595	0.932091
cg118148						
75	chr19	2611237	-0.17346	-2.13736	0.033992	0.929585



cg082118							
95	chr2	48828358		0.275106	2.133417	0.034318	0.931624
cg054026							
22	chr16	86666183		-0.2204	-2.1345	0.034228	0.930878
cg160743							
93	chr14	52116710		-0.24475	-2.13314	0.034341	0.931624
cg232613							
75	chr1	1.63E+08		0.519045	2.144291	0.033424	0.929541
cg089290							
02	chr6	1.08E+08		0.230465	2.134224	0.034251	0.931144
cg182282							
82	chr17	46703908		-0.19729	-2.13244	0.0344	0.931624
cg166998							
61	chr16	30429204		-0.19052	-2.13021	0.034586	0.932091
cg039763							
79	chr10	31607973		-0.17087	-2.13195	0.034441	0.93166

			IFT140;BAIAP3;C LDN9;ENSG0000 0272079;HAGH; RNPS1;HN1L;HC FC1R1;HS3ST6;C CDC64B;PDPK1;				
cg076756							
56	chr16	2105015	MSRB1	0.454727	2.140738	0.033714	0.929585
cg190923							
68	chr1	41444829		0.215688	2.132601	0.034386	0.931624
cg150799							
34	chr11	1892307		0.342458	2.133124	0.034343	0.931624
cg042288							
49	chr4	21855582		-0.24468	-2.13251	0.034394	0.931624
cg247139							
40	chr6	1.7E+08		0.266558	2.134427	0.034234	0.930945
cg115006							
60	chr21	44036692		-0.31924	-2.13457	0.034222	0.930878
cg141066							
60	chr11	14994179		0.293873	2.131502	0.034478	0.931769
cg258031							
07	chr2	6072744		-0.27576	-2.13459	0.034221	0.930878
cg250362							
61	chr2	51254823		0.688367	2.132614	0.034385	0.931624
cg140520							
65	chr9	1.4E+08	PTGDS;LCNL1	-0.37278	-2.13722	0.034003	0.929585
cg031165							
79	chr19	922016		-0.18545	-2.13396	0.034273	0.931255
cg187806							
03	chr2	2.36E+08		0.318422	2.135248	0.034166	0.930637

cg095533						
80	chr2	2.07E+08	0.244079	2.132238	0.034417	0.93166
cg015742						
41	chr1	1.66E+08	-0.30282	-2.13224	0.034416	0.93166
cg230159						
83	chr6	1.08E+08	-0.16578	-2.13477	0.034206	0.930878
cg092553						
32	chr10	1.32E+08	-0.24323	-2.13355	0.034307	0.931505
cg193133						
73	chr1	1.63E+08	-0.24447	-2.13173	0.034459	0.931684
cg017039						
93	chr16	3111625 ZNF200	-0.20372	-2.13197	0.034439	0.93166
ch.1.3036						
304F	chr1	1.56E+08	-0.3241	-2.13119	0.034504	0.931769
cg217214						
54	chr19	2328713	0.157989	2.133139	0.034341	0.931624
cg132571						
57	chr8	95487014	0.195249	2.129859	0.034615	0.932358
cg169466						
83	chr3	1.01E+08	-0.27187	-2.13467	0.034214	0.930878
cg227955						
86	chr1	1.71E+08 SELL	0.373955	2.1322	0.03442	0.93166
cg168963						
44	chr17	77758763	0.302577	2.134717	0.03421	0.930878
cg224540						
22	chr8	69646661 SLC05A1	-0.31778	-2.13557	0.03414	0.930387
cg221382						
16	chr11	77789247 PAK1	0.211433	2.137117	0.034012	0.929585
cg174367						
78	chr5	57184384	-0.2691	-2.13303	0.03435	0.931624
cg130511						
97	chr7	1.17E+08 ST7-OT4	-0.3451	-2.13648	0.034064	0.929758
cg218606						
67	chr1	1.54E+08	0.220522	2.134848	0.034199	0.930829
cg198582						
80	chr5	207590 C5orf55	0.318849	2.129665	0.034632	0.932378
cg256419						
97	chr11	64068491	-0.20187	-2.13202	0.034435	0.93166
cg032518						
05	chr14	23389211	0.222917	2.135134	0.034176	0.930713
cg232553						
68	chr10	1.35E+08	-0.23603	-2.13744	0.033985	0.929585
cg074955						
74	chr22	49564611	-0.35836	-2.12966	0.034632	0.932378
cg210376						
04	chr20	54578094	0.28727	2.131244	0.0345	0.931769
cg097041						
16	chr17	46666958	0.309408	2.130005	0.034603	0.932091
cg128331						
68	chr14	39856160	-0.21671	-2.13456	0.034223	0.930878

cg154570							
05	chr11	11643754		-0.3792	-2.12981	0.03462	0.932378
cg268530							
57	chr8	42002293	HOOK3;SFRP1	-0.33686	-2.1329	0.034361	0.931624
cg203468							
69	chr6	22838771		0.304844	2.13194	0.034441	0.93166
cg220764							
95	chr5	32174716		-0.20476	-2.13071	0.034544	0.932091
cg037569							
29	chr1	2.33E+08		-0.37005	-2.1312	0.034503	0.931769
cg274970							
38	chr10	1.25E+08		-0.25776	-2.13138	0.034489	0.931769
cg034954							
98	chr14	97878346	PAPOLA	0.278096	2.130065	0.034598	0.932091
cg104525							
42	chr12	1.17E+08		0.283512	2.132304	0.034411	0.93166
cg119822							
93	chr2	1.75E+08		0.27868	2.129517	0.034644	0.932541
cg092349							
95	chr10	5726438		0.326608	2.130796	0.034537	0.932091
cg175089							
41	chr7	19183280	MACC1	0.378486	2.134972	0.034189	0.930713
cg190851							
46	chr1	15066110		0.458836	2.130766	0.034539	0.932091
cg003223							
19	chr2	1.62E+08		0.333632	2.130145	0.034591	0.932091
cg029661			MISP;ARID3A;H				
53	chr19	1401767	MHA1;MOB3A	0.415108	2.13289	0.034362	0.931624
cg135517							
83	chr1	15773099		-0.23377	-2.13612	0.034094	0.930123
cg132075							
34	chr6	5087447		0.322497	2.13017	0.034589	0.932091
cg082047							
90	chr2	59522360		0.271334	2.132612	0.034385	0.931624
cg016861							
15	chr6	16763125		0.24005	2.133084	0.034346	0.931624
cg001902							
06	chr2	1.77E+08		0.280369	2.130003	0.034603	0.932091
cg224607							
10	chr17	34838831		0.407156	2.12924	0.034667	0.932714
cg126236							
95	chr1	53744325		0.173994	2.132621	0.034385	0.931624
cg271398							
41	chr20	44718745		-0.11847	-2.13229	0.034412	0.93166
cg232880							
99	chr11	1.16E+08		0.278279	2.130921	0.034527	0.932018
cg126006							
92	chr2	1.99E+08	ANKRD44	0.469873	2.133678	0.034297	0.931495

cg005377							
09	chr16	89320298	-0.19352	-2.13319	0.034337	0.931624	
cg181613							
27	chr13	1.01E+08	0.316128	2.131544	0.034474	0.931769	
cg098673							
43	chr16	2664939	0.305514	2.131437	0.034483	0.931769	
cg211790							
92	chr12	1.24E+08	-0.16912	-2.13122	0.034502	0.931769	
cg002439							
22	chr2	32502781	0.360092	2.132023	0.034434	0.93166	
cg041477							
41	chr3	64991635	-0.2543	-2.13251	0.034394	0.931624	
cg247487							
69	chr14	57271015	0.363403	2.133743	0.034291	0.931495	
cg092241							
34	chr4	1.87E+08	-0.17193	-2.13259	0.034387	0.931624	
cg143521							
40	chr9	1.39E+08	0.300892	2.133563	0.034306	0.931505	
cg122970							
10	chr1	2096582	0.328141	2.129771	0.034623	0.932378	
cg003457							
04	chr17	39216495 ACLY	0.354337	2.132972	0.034355	0.931624	
cg007674							
96	chr15	45671279 GATM;DUOX2	0.283865	2.132944	0.034358	0.931624	
cg072693							
74	chr12	66176707 HELB;IRAK3	-0.3632	-2.13169	0.034462	0.931684	
cg128001							
22	chr1	3162454	-0.3685	-2.13175	0.034457	0.931684	
cg260012							
07	chr5	92921509	0.271087	2.136107	0.034095	0.930123	
cg178391							
66	chr5	53751272	-0.41765	-2.13119	0.034504	0.931769	
cg121625							
30	chr13	33591783 KL;STARD13	-0.38635	-2.13186	0.034448	0.931684	
cg055478							
95	chr3	1.97E+08	0.565358	2.130367	0.034573	0.932091	
cg180837							
64	chr5	4230848	0.31217	2.130432	0.034567	0.932091	
cg039248							
00	chr16	25042807	0.245884	2.130266	0.034581	0.932091	
cg228216							
06	chr11	77532200	0.150636	2.130946	0.034524	0.932018	
cg257026							
52	chr2	1.64E+08	0.342302	2.131191	0.034504	0.931769	
cg148663							
39	chr14	1.01E+08	-0.23242	-2.13114	0.034508	0.931814	
cg012183							
71	chr16	48844292	0.234834	2.133822	0.034285	0.931488	

			RAB36;C22orf15 ;RTDR1;ENSG00 000272019;GNA Z;CABIN1;MMP1				
cg053669 82	chr22	23486678 1	0.411207	2.134146	0.034258	0.931171	
cg176477 44	chr11	8986217	-0.24093	-2.13364	0.0343	0.931495	
cg016507 76	chr7	1.51E+08	0.187218	2.128301	0.034746	0.932876	
cg081756 09	chr12	1.15E+08	0.29272	2.13203	0.034434	0.93166	
cg012977 56	chr13	1.01E+08	0.232789	2.127752	0.034793	0.932991	
cg001905 45	chr17	37073701	0.219976	2.131787	0.034454	0.931684	
cg044807 08	chr16	1225588	-0.39031	-2.12969	0.03463	0.932378	
cg248738 11	chr5	42972500	0.415943	2.130148	0.034591	0.932091	
cg191281 13	chr4	1.74E+08	0.239416	2.131323	0.034493	0.931769	
cg157050 62	chr19	5110748	-0.19756	-2.13034	0.034575	0.932091	
cg054736 77	chr3	1.96E+08 NRROS	-0.22806	-2.13014	0.034592	0.932091	
cg236061 71	chr1	2559822	0.216607	2.130616	0.034552	0.932091	
cg072221 13	chr8	1.04E+08	-0.22969	-2.13588	0.034114	0.930379	
cg216479 75	chr2	1.75E+08	-0.20138	-2.12769	0.034798	0.932991	
cg012601 03	chr11	68609203	-0.1669	-2.13078	0.034538	0.932091	

			HOXB4;MIR10A; PRR15L;HOXB3; HOXB-				
cg058887 55	chr17	46682319 AS2;NXPH3	0.30756	2.133031	0.03435	0.931624	
cg240056 85	chr4	1.12E+08	0.246105	2.133001	0.034353	0.931624	
cg275848 28	chr1	2.32E+08	-0.16165	-2.12831	0.034745	0.932876	
cg009388 77	chr1	2.48E+08	0.320437	2.13093	0.034526	0.932018	

cg007419						
54	chr6	1766046		0.521452	2.132577	0.034388 0.931624
cg151053						
26	chr3	1.47E+08		0.318687	2.132886	0.034362 0.931624
cg220884						
20	chr19	48024073		-0.21665	-2.13133	0.034493 0.931769
cg187029						
35	chr13	48507440 LPAR6		0.344696	2.137871	0.033949 0.929585
cg128302						
99	chr9	1.39E+08		-0.16757	-2.13395	0.034274 0.931255
cg185551						
99	chr3	1.81E+08		-0.19945	-2.13301	0.034352 0.931624
cg048495		ENSG000001763				
08	chr7	2801959 49		-0.25911	-2.13419	0.034254 0.931144
cg195456						
21	chr2	2.08E+08		-0.22628	-2.12885	0.0347 0.932714
cg064203						
24	chr11	73309256		-0.26839	-2.13128	0.034497 0.931769
cg246345						
68	chr1	43250769		0.423758	2.128513	0.034728 0.932872
cg127891						
73	chr11	1.18E+08		-0.33432	-2.12916	0.034674 0.932714
cg089408						
27	chr15	30010985		-0.37487	-2.13075	0.034541 0.932091

			NME4;CACNA1H			
			;UNKL;RAB11FIP			
cg006510			3;RGS11;TPSD1;			
16	chr16	552754 SOX8;CLCN7		-0.36136	-2.13098	0.034521 0.932018
cg026956						
97	chr8	89255591		-0.26105	-2.13147	0.034481 0.931769
cg108476						
73	chr10	1.12E+08 XPNPEP1		-0.31306	-2.13244	0.0344 0.931624
cg119002						
10	chr18	34915648		-0.29698	-2.12813	0.034761 0.932991
cg044010						
38	chr10	1462906		-0.2619	-2.13499	0.034188 0.930713
cg250988						
34	chr5	1.73E+08		-0.26756	-2.13269	0.034379 0.931624
cg010406						
34	chr10	1144616		-0.28491	-2.12828	0.034748 0.932876
cg071237						
69	chr5	1809881		-0.24047	-2.13007	0.034598 0.932091
cg055953						
01	chr8	1.45E+08		-0.28498	-2.12874	0.034709 0.932714
cg014881						
91	chr17	21033752		-0.29799	-2.1288	0.034704 0.932714

cg233913						
68	chr13	1.12E+08	0.286566	2.129137	0.034676	0.932714
cg141080						
15	chr10	99539219	-0.17471	-2.12877	0.034707	0.932714
cg211449						
41	chr22	17680575 CECR1	-0.41977	-2.1318	0.034453	0.931684
ch.19.588						
52620F	chr19	54160808	-0.25397	-2.13195	0.034441	0.93166
cg199092						
39	chr4	1.12E+08	0.238889	2.128534	0.034727	0.932872
cg076399						
00	chr10	3828932	0.254542	2.130011	0.034603	0.932091
cg208184						
17	chr1	76082690	0.352918	2.130239	0.034584	0.932091
cg025382						
80	chr7	1.58E+08	-0.22033	-2.13125	0.034499	0.931769
cg253534						
36	chr10	10839523	0.434583	2.128422	0.034736	0.932876
cg089759						
22	chr6	1378677	0.251729	2.128151	0.034759	0.932991
cg203708						
39	chr8	42295009 THAP1	0.273376	2.130261	0.034582	0.932091
cg121720						
46	chr22	19718480	-0.14304	-2.13211	0.034427	0.93166
cg132455						
39	chr17	17717265	-0.29226	-2.13581	0.03412	0.930379
cg007396						
44	chr21	42879658	-0.24267	-2.12918	0.034673	0.932714
cg070743						
16	chr7	1271604	-0.28664	-2.1317	0.034462	0.931684
cg044424						
06	chr3	1.46E+08	0.429799	2.130171	0.034589	0.932091
cg213126						
95	chr2	29597701	0.225272	2.128056	0.034767	0.932991
cg171607						
51	chr4	1.05E+08	-0.33178	-2.12829	0.034747	0.932876
cg052872						
97	chr13	28396052	0.225348	2.13211	0.034427	0.93166
cg124627						
05	chr5	1.73E+08 SNORA74B	-0.27056	-2.13191	0.034444	0.931666
ch.9.1078						
185R	chr9	84472891	0.23682	2.128567	0.034724	0.932869
cg132075						
01	chr1	38470665	0.188036	2.12795	0.034776	0.932991
cg199508						
23	chr10	17686414	-0.18691	-2.13009	0.034596	0.932091
cg068932						
88	chr12	1.33E+08	-0.52013	-2.12739	0.034823	0.933112
cg018300						
61	chr3	1.58E+08	-0.20824	-2.12791	0.034779	0.932991

cg204415							
53	chr5	1271821	NDUFS6	-0.16877	-2.12783	0.034786	0.932991
cg239508							
75	chr6	4078943		0.313128	2.129054	0.034683	0.932714
cg120620							
51	chr8	1.22E+08	SNTB1	0.417671	2.128753	0.034708	0.932714
cg144549							
07	chr2	1.77E+08		0.263917	2.133397	0.03432	0.931624
cg098133							
01	chr16	411182	MSLN	-0.21421	-2.12891	0.034695	0.932714
cg201709							
43	chr10	3536773		-0.34636	-2.12962	0.034636	0.932378
cg050827							
08	chr4	4765299		-0.32914	-2.13016	0.03459	0.932091
cg081138							
95	chr4	1.48E+08	EDNRA	0.574556	2.126425	0.034904	0.933766
cg107210							
30	chr1	1.66E+08		-0.20757	-2.12899	0.034688	0.932714
cg150331							
40	chr6	1.7E+08	PSMB1	0.447476	2.126567	0.034892	0.933766
cg090194							
10	chr2	45233634	SIX2;SLC3A1	0.346538	2.127109	0.034847	0.933467
cg191149							
99	chr3	1.82E+08		-0.32303	-2.1278	0.034789	0.932991
cg210387							
85	chr15	53087068		0.33732	2.127978	0.034773	0.932991
cg052932							
16	chr9	35080812	PIGO	0.533326	2.12832	0.034745	0.932876
cg142536							
77	chr9	2717621		0.248027	2.127079	0.034849	0.933476
cg014065							
06	chr5	1.48E+08		-0.29096	-2.12786	0.034784	0.932991
cg072795							
57	chr21	46875417		-0.39359	-2.12783	0.034786	0.932991
cg233980							
47	chr8	49783505	MCM4	-0.36139	-2.12944	0.034651	0.9326
cg014496							
74	chr10	31531682		0.313201	2.127454	0.034818	0.933112
cg035668							
53	chr2	1.07E+08		-0.20564	-2.12786	0.034783	0.932991
cg134648							
76	chr9	1.12E+08		0.14545	2.131782	0.034455	0.931684
cg083413							
16	chr4	1.08E+08		0.330007	2.127649	0.034801	0.932991
cg135800							
08	chr15	65341868	PDCD7	0.240428	2.130113	0.034594	0.932091
cg175117			ENSG000001880				
31	chr5	2278874	02;LPCAT1	-0.34754	-2.12828	0.034748	0.932876



cg229002							
29	chr2	25391773		-0.33414	-2.12764	0.034802	0.932991
cg122573							
84	chr1	935456		-0.32578	-2.12587	0.034951	0.933766
cg024499							
78	chr3	48230167	KIF9-AS1	-0.20005	-2.1292	0.034671	0.932714
cg208988							
29	chr20	3229660		-0.29546	-2.12894	0.034693	0.932714
cg058007							
61	chr18	56529852		0.321174	2.13045	0.034566	0.932091
cg130623							
96	chr2	2.31E+08		0.302827	2.126301	0.034915	0.933766
cg025135							
47	chr4	26029960		-0.24912	-2.1276	0.034805	0.932991
cg239688							
93	chr1	1.67E+08		-0.40201	-2.13164	0.034466	0.931739
cg235235							
22	chr13	64418676		-0.32646	-2.12597	0.034943	0.933766
cg262911							
95	chr7	98610531		-0.30116	-2.12673	0.034878	0.933766

			GRM4;RGL2;PHF				
cg205927			1;BAK1;PSMB8;T				
34	chr6	33142317	AP2;SYNGAP1	-0.1876	-2.12801	0.03477	0.932991
cg059268							
62	chr5	65220004		-0.32457	-2.13132	0.034493	0.931769

			MYO9A;THSD4;E				
cg167316			NSG0000026072				
92	chr15	72118844	9	0.250646	2.13227	0.034414	0.93166
cg256895							
25	chr7	1.4E+08		-0.25028	-2.12906	0.034682	0.932714
cg149595							
80	chr4	1402198		0.414477	2.125361	0.034994	0.933766
cg150803							
96	chr19	3879858		0.292709	2.129191	0.034672	0.932714
cg015552							
70	chr19	41945599		-0.17805	-2.12809	0.034764	0.932991
cg128159							
16	chr2	1.31E+08		0.261651	2.130037	0.034601	0.932091
cg257487							
64	chr20	31261814	HCK	-0.19326	-2.12925	0.034667	0.932714
cg232317							
27	chr6	33156974		-0.24428	-2.12865	0.034717	0.932846
cg172976							
53	chr12	1.22E+08	P2RX4	-0.22993	-2.12893	0.034693	0.932714
cg158338							
73	chr5	1.08E+08		0.353667	2.124933	0.035031	0.933766

cg197970						
42	chr13	1.15E+08	0.272161	2.127305	0.03483	0.933141
cg050096						
01	chr7	1.22E+08	0.280625	2.127032	0.034853	0.933524
cg225530						
11	chr20	10015964	0.296439	2.129266	0.034665	0.932714
cg073947						
99	chr17	81032822	-0.26121	-2.12608	0.034933	0.933766
cg192069						
14	chr12	43173345	-0.29662	-2.129	0.034688	0.932714
cg021460						
79	chr5	1.41E+08	0.500462	2.124269	0.035087	0.934048
cg140071						
56	chr9	1.38E+08	0.200672	2.124096	0.035101	0.934289
cg074697						
57	chr13	1.12E+08	0.253223	2.126922	0.034862	0.933651
cg076104						
06	chr2	2.14E+08	-0.15867	-2.12967	0.034631	0.932378
cg088130						
62	chr2	1.75E+08	0.325434	2.125112	0.035015	0.933766
cg078934						
91	chr4	38056620	0.207463	2.127629	0.034803	0.932991
cg029645						
55	chr2	1.57E+08	0.297786	2.130266	0.034581	0.932091
cg019346						
38	chr1	3720744	0.44366	2.126648	0.034886	0.933766
cg193205						
05	chr11	1.07E+08 C11orf65	-0.16839	-2.12765	0.034801	0.932991
cg241395						
20	chr8	28573832	0.345207	2.125642	0.034971	0.933766
cg186602						
78	chr19	6166026	0.276153	2.129461	0.034649	0.9326
cg002055						
98	chr10	1.34E+08	0.250473	2.126278	0.034917	0.933766
cg217000						
70	chr19	54641527	-0.14607	-2.12477	0.035045	0.933766
cg165383						
90	chr10	1.35E+08	-0.20567	-2.12755	0.034809	0.932997
cg249650						
80	chr18	24133451	-0.3583	-2.12638	0.034908	0.933766
cg106280						
35	chr2	6086404	-0.31551	-2.12741	0.034821	0.933112
cg216190						
17	chr6	31465649	-0.20272	-2.12517	0.03501	0.933766
cg246430						
62	chr3	1.84E+08	0.18951	2.126191	0.034924	0.933766
cg244806						
		E2F8;ENSG0000				
95	chr11	18727628 0255160	0.480007	2.125662	0.034969	0.933766

cg216804							
74	chr1	28463306	ATPIF1	0.268466	2.126074	0.034934	0.933766
cg231461							
72	chr1	2.31E+08		0.336031	2.125909	0.034948	0.933766
cg263935							
34	chr14	1.02E+08	MOK	-0.24006	-2.131	0.03452	0.932018
cg087577							
30	chr16	409254		-0.16744	-2.12565	0.03497	0.933766
cg027189							
66	chr3	42846970		0.28516	2.125523	0.034981	0.933766
cg065222							
06	chr12	1.18E+08		-0.30087	-2.12623	0.03492	0.933766
cg150685							
22	chr6	57086371		0.202801	2.126042	0.034937	0.933766
cg004369							
96	chr2	77962212		-0.24362	-2.12769	0.034798	0.932991
cg264742							
03	chr6	1.5E+08		-0.24294	-2.1304	0.03457	0.932091
cg228918							
62	chr10	1.01E+08		0.32962	2.123342	0.035166	0.934584
cg128028							
22	chr11	58910102		0.155473	2.125463	0.034986	0.933766
cg221695							
23	chr12	1.31E+08		-0.33499	-2.12658	0.034891	0.933766
cg197535							
26	chr2	1.06E+08		0.201112	2.1248	0.035042	0.933766
cg272365							
39	chr20	62289627		0.210569	2.125502	0.034982	0.933766
cg187673							
21	chr22	39096505		-0.1926	-2.12656	0.034893	0.933766
cg001190							
53	chr6	1.6E+08		-0.25907	-2.12479	0.035043	0.933766

			ENSG000002061				
			13;ENSG000002				
			48399;ENSG000				
			00249428;SH3B				
			P2;ENSG000002				
			43894;NOP14;F				
cg263437			AM86EP;ENSG0				
61	chr4	3254969	0000261643	0.312966	2.131463	0.034481	0.931769
cg131880							
11	chr20	39319326		0.240278	2.128829	0.034702	0.932714
cg044837							
01	chr16	86253703		-0.22793	-2.13043	0.034568	0.932091

cg238737							
03	chr3	1.56E+08		0.331701	2.12664	0.034886	0.933766
cg214440							
86	chr1	2.25E+08		-0.27558	-2.12736	0.034825	0.933112
cg068269							
29	chr19	5243870		0.230155	2.123812	0.035126	0.934289
cg040244							
81	chr13	1.14E+08	F10;GAS6	-0.26044	-2.12685	0.034869	0.933702
cg038758							
19	chr10	4386802		-0.66467	-2.12655	0.034894	0.933766
cg220890							
24	chr1	23038361		-0.25933	-2.12926	0.034665	0.932714
cg051943			DOCK9;STK24-				
16	chr13	98869706	AS1;FARP1	0.870245	2.125512	0.034981	0.933766
cg201158							
02	chr19	51321569		0.320147	2.126472	0.0349	0.933766
cg098451							
33	chr1	95699825		-0.20516	-2.12308	0.035188	0.934694
cg031053							
48	chr10	50599620		0.285284	2.123178	0.035179	0.934605
cg168035							
09	chr12	1.32E+08		0.27412	2.127818	0.034787	0.932991
cg043528							
03	chr2	36824275		0.262004	2.123879	0.03512	0.934289
cg081747							
89	chr8	2078112		-0.32681	-2.12607	0.034934	0.933766
			RAD51B;ENSG00				
cg042693			000240210;RDH				
51	chr14	68142533	11	0.216467	2.128851	0.0347	0.932714
cg199469							
82	chr10	1.05E+08		0.168822	2.125121	0.035015	0.933766
cg050588							
46	chr10	79270707	DLG5-AS1	0.191084	2.129753	0.034624	0.932378
cg092631							
64	chr14	77605789		0.25099	2.124472	0.03507	0.93393
cg202855							
46	chr19	58728728		0.423275	2.123339	0.035166	0.934584
cg031673							
39	chr7	1498866		-0.1436	-2.12664	0.034886	0.933766
cg219486							
65	chr15	41519554		0.27048	2.125329	0.034997	0.933766
cg165589							
94	chr1	21023132		-0.68655	-2.14763	0.033153	0.928551
cg029632							
29	chr11	1.26E+08		-0.60115	-2.12629	0.034916	0.933766
cg164535							
60	chr11	1.3E+08		0.351318	2.125693	0.034966	0.933766

cg044608							
47	chr7	1.28E+08	LRRC4;SMO	0.313223	2.123223	0.035176	0.934605
cg172453							
37	chr1	25558596		-0.19544	-2.12673	0.034879	0.933766
cg091409							
66	chr7	1.56E+08		-0.18225	-2.1252	0.035008	0.933766
cg031035							
25	chr16	4817352		-0.19842	-2.12561	0.034973	0.933766
cg004690							
15	chr15	69744684		0.405323	2.124344	0.03508	0.934048
cg053875							
65	chr15	93128729		-0.3474	-2.12154	0.035319	0.934815
cg170109							
68	chr15	31619006		-0.17377	-2.12378	0.035128	0.934289
cg073181							
45	chr1	2.48E+08		-0.41618	-2.12316	0.035181	0.934605
cg230657							
93	chr3	1.7E+08		-0.19443	-2.12388	0.03512	0.934289
cg182781							
84	chr10	70847430	TSPAN15	0.527063	2.125309	0.034999	0.933766
cg213025							
62	chr1	44497012		0.162775	2.127344	0.034827	0.933112

			CSPG4P9;ENSG0				
			0000259328;EN				
			SG00000255769				
			;CSPG4P8;CSPG4				
cg172669							
63	chr15	82959442	P10	0.384769	2.125566	0.034977	0.933766
cg232769							
12	chr1	35326118		0.239109	2.126439	0.034903	0.933766
cg069662			ENSG000002612				
77	chr1	1.01E+08	54	-0.19023	-2.1269	0.034864	0.933651
cg065245							
31	chr13	98680120		-0.29871	-2.12354	0.035149	0.93436
cg186393							
42	chr2	38977756		0.164576	2.128342	0.034743	0.932876
cg102802							
23	chr15	83378836		-0.17066	-2.12469	0.035051	0.933801
cg261495							
67	chr19	866120		-0.35079	-2.12859	0.034722	0.932869
cg093336							
31	chr3	44802604		0.399401	2.124789	0.035043	0.933766
cg228881							
81	chr10	1.06E+08	ITPRIP	-0.39604	-2.12607	0.034934	0.933766
cg133563							
66	chr20	5100660		-0.13886	-2.12893	0.034694	0.932714
cg222265							
27	chr19	48823408	C5AR2	-0.21265	-2.12154	0.035319	0.934815

cg010082						
63	chr16	70605696	-0.29835	-2.13049	0.034563	0.932091
cg230314						
93	chr12	1.14E+08	0.265453	2.121747	0.035301	0.934815
cg007596						
99	chr19	12991918	0.305855	2.124357	0.035079	0.934048
cg171877						
55	chr2	2.43E+08	0.249221	2.125157	0.035012	0.933766
cg143129						
65	chr9	1.12E+08	-0.22464	-2.13051	0.034561	0.932091
cg184699						
17	chr18	12433231	-0.23363	-2.12453	0.035065	0.93393
cg108050						
39	chr17	750241 DOC2B	0.392836	2.124449	0.035072	0.93393
cg046189						
03	chr17	77914869	0.254144	2.127557	0.034809	0.932997
cg220766						
14	chr1	3335858	-0.24544	-2.12506	0.03502	0.933766
MSMB;OGDHL;E						
cg170308		NSG0000023561				
20	chr10	51549260 8	0.438621	2.128759	0.034708	0.932714
cg245204						
79	chr4	1.64E+08	-0.41127	-2.12244	0.035242	0.934815
cg271912						
07	chr4	1.24E+08	0.216652	2.125569	0.034977	0.933766
cg239707						
58	chr19	38893547	-0.1488	-2.12739	0.034823	0.933112
cg157427						
58	chr2	2.37E+08	-0.23079	-2.12549	0.034983	0.933766
cg246542						
66	chr2	1.15E+08	0.691498	2.125965	0.034943	0.933766
cg226408						
68	chr17	26661374	0.256985	2.126521	0.034896	0.933766
cg008851						
76	chr8	71581445	-0.19414	-2.12251	0.035237	0.934815
cg121448						
52	chr7	1.58E+08	-0.42575	-2.12561	0.034973	0.933766
cg035099						
27	chr7	22396296	-0.13834	-2.12537	0.034994	0.933766
cg152314						
62	chr1	2.48E+08 NLRP3	-0.32065	-2.12246	0.035241	0.934815
cg212452						
87	chr2	2.31E+08	-0.21812	-2.12857	0.034723	0.932869
cg212759						
32	chr21	46410877	-0.23516	-2.12553	0.03498	0.933766
cg266655						
07	chr19	3596441	-0.27438	-2.12365	0.03514	0.934289
cg023994						
69	chr19	57631118	-0.37659	-2.12523	0.035005	0.933766

cg212336							
75	chr12	66122497		0.347559	2.123147	0.035182	0.934605
			DCDC1;MPPED2;				
cg055684			ENSG000002550				
54	chr11	30567189	29	0.309153	2.133064	0.034348	0.931624
cg014739							
42	chr4	41218683		0.286022	2.122082	0.035273	0.934815
cg094300							
60	chr19	49306842		-0.24706	-2.12383	0.035124	0.934289
cg131455							
04	chr11	2594840	TNNT3	-0.26525	-2.12428	0.035086	0.934048
cg198561							
39	chr1	1.85E+08		-0.1641	-2.12718	0.03484	0.933359
cg035221							
32	chr2	74725040		0.229214	2.124544	0.035064	0.93393
cg100099							
30	chr1	9599403		-0.17586	-2.12134	0.035336	0.934815
cg251337							
86	chr1	1.45E+08		0.367427	2.124896	0.035034	0.933766
cg063794							
03	chr1	1.55E+08		0.256643	2.120693	0.035391	0.934815
cg013858							
36	chr2	1.91E+08		-0.31854	-2.12384	0.035123	0.934289
cg168421							
87	chr2	26951473		-0.36518	-2.12231	0.035254	0.934815
cg092101							
35	chr10	1.34E+08		0.250797	2.124647	0.035055	0.933834
cg249465							
97	chr8	31497464		0.320496	2.127843	0.034785	0.932991
cg025688							
06	chr17	13400236		0.360618	2.124875	0.035035	0.933766
cg246083							
81	chr2	1.4E+08		-0.36201	-2.12534	0.034996	0.933766
cg013822			ENSG000002696				
81	chr19	56104340	96	-0.34895	-2.12487	0.035036	0.933766
cg116156							
07	chr3	1.2E+08		0.379125	2.123207	0.035177	0.934605
cg009444							
33	chr1	1.08E+08		0.31621	2.125757	0.034961	0.933766
cg267852							
50	chr3	13461660		0.179056	2.122794	0.035212	0.934815
cg170612							
44	chr12	81331469		0.383796	2.120993	0.035366	0.934815
cg243559							
07	chr6	99273157		0.2218	2.126938	0.034861	0.933651
cg247926							
92	chr5	10229929		-0.26726	-2.12423	0.03509	0.934083
cg044251							
10	chr10	1.03E+08	BTRC	0.284235	2.123579	0.035145	0.934326

cg168021							
51	chr6	43211311		0.151398	2.121039	0.035362	0.934815
			HOXD- AS1;ENSG00000				
cg247041							
77	chr2	1.77E+08	230552;HOXD3	0.232762	2.128448	0.034734	0.932876
cg010223							
70	chr8	8749074		0.27968	2.122475	0.035239	0.934815
cg022781							
11	chr6	1.11E+08		0.228016	2.126121	0.03493	0.933766
cg262781							
03	chr7	1.24E+08		0.264767	2.120275	0.035427	0.934815
cg069277							
17	chr12	1.23E+08		-0.27477	-2.12297	0.035197	0.934815
cg077075							
46	chr4	1.56E+08		0.23366	2.124939	0.03503	0.933766
cg195751							
32	chr14	21676297		-0.37243	-2.12371	0.035134	0.934289
cg164047							
84	chr14	38087605		0.308076	2.125806	0.034957	0.933766
cg100018							
45	chr13	20751945		0.368651	2.122046	0.035276	0.934815
cg071494							
54	chr10	43277850		-0.16599	-2.12373	0.035133	0.934289
cg009396							
18	chr14	77564292		-0.19211	-2.12962	0.034635	0.932378
cg079191							
31	chr16	725964		0.205181	2.12235	0.03525	0.934815
cg179164							
07	chr14	50234392		-0.17604	-2.12187	0.035291	0.934815
cg238082							
13	chr2	1.67E+08		-0.3807	-2.12169	0.035306	0.934815
cg005497							
06	chr9	1.39E+08		0.212854	2.125597	0.034974	0.933766
ch.11.721							
876F	chr11	34163014		-0.46735	-2.12325	0.035174	0.934605
cg259906							
78	chr19	4101212		-0.24638	-2.12337	0.035163	0.934584
cg152567							
43	chr12	94536509		-0.33895	-2.1205	0.035407	0.934815
cg050587							
06	chr6	17745633		0.290514	2.123891	0.035119	0.934289
cg248958							
71	chr12	54360836		0.228002	2.123742	0.035132	0.934289
cg093148							
03	chr17	79180344		-0.25298	-2.12084	0.035379	0.934815
cg135640							
64	chr9	1.26E+08		0.365874	2.12266	0.035224	0.934815



cg148735			SYNPO;PDGFRB; NDST1;CSNK1A1				
15	chr5	1.5E+08	;ARSI	-0.26388	-2.1263	0.034915	0.933766
cg236197							
53	chr1	81593103		-0.29651	-2.12571	0.034965	0.933766
cg250325							
35	chr14	97207786		-0.27911	-2.121	0.035365	0.934815
cg186014							
66	chr10	1.33E+08		-0.19329	-2.12582	0.034955	0.933766
cg171466							
17	chr12	1.22E+08		0.215964	2.123336	0.035166	0.934584
cg004933							
58	chr16	88980724		-0.30106	-2.12062	0.035398	0.934815
cg197311							
64	chr5	1.73E+08		-0.18145	-2.1196	0.035485	0.934815
cg267961							
90	chr17	42083195		0.278459	2.119327	0.035508	0.934815
cg063213							
76	chr5	1.11E+08		0.291482	2.120981	0.035367	0.934815
cg108333							
93	chr19	46651227		-0.29479	-2.12408	0.035103	0.934289
cg208643							
89	chr11	84431970		0.264876	2.125289	0.035	0.933766
ch.3.3630							
245F	chr3	1.85E+08		-0.33781	-2.1226	0.035229	0.934815
cg192577							
62	chr7	1.58E+08	PTPRN2	-0.27648	-2.12486	0.035037	0.933766
cg071377							
51	chr14	71377000	PCNX;MAP3K9	-0.42209	-2.12392	0.035116	0.934289
cg206421							
38	chr5	1.41E+08		-0.15646	-2.12208	0.035273	0.934815
cg213212							
48	chr7	1.51E+08		0.249291	2.120489	0.035409	0.934815
cg098538							
98	chr19	591536		0.331803	2.120182	0.035435	0.934815
cg165278							
05	chr2	63816164		-0.25852	-2.12012	0.03544	0.934815
cg043018							
00	chr14	50101980		-0.15566	-2.125	0.035025	0.933766
cg061349							
64	chr3	52812033		0.213515	2.122818	0.03521	0.934815
cg276075			ENSG000002720				
83	chr16	3767744	79	-0.15954	-2.12155	0.035318	0.934815
cg035172							
50	chr16	85196491		-0.31604	-2.12163	0.035312	0.934815
cg182065							
67	chr18	74828771		0.207508	2.122213	0.035262	0.934815

cg144880							
12	chr13	27166439	GTF3A	-0.33146	-2.11977	0.035471	0.934815
cg095157							
66	chr16	67021338		0.238146	2.121534	0.03532	0.934815
cg003622							
85	chr1	2.36E+08	RYP2;NID1;MTR	-0.31022	-2.12588	0.03495	0.933766
cg267205							
98	chr19	37571729		-0.24355	-2.12658	0.034891	0.933766
cg215345							
84	chr20	57485816		0.326214	2.121185	0.035349	0.934815
cg206073							
18	chr19	36391512		-0.2124	-2.12368	0.035137	0.934289
cg086063							
56	chr11	35160571		-0.22011	-2.12079	0.035383	0.934815
cg185731							
96	chr7	45965873		-0.32547	-2.12124	0.035345	0.934815
cg027425							
55	chr11	15200692		-0.36269	-2.12492	0.035032	0.933766
cg241549							
37	chr12	5153711		0.246771	2.121654	0.035309	0.934815
cg036235							
68	chr16	6915990		0.35947	2.121149	0.035352	0.934815
cg035689							
57	chr12	6155761		-0.24343	-2.11989	0.03546	0.934815
cg184922							
08	chr14	1.02E+08		-0.22474	-2.11843	0.035585	0.934815
cg098478							
39	chr9	213650		0.310881	2.125595	0.034975	0.933766
cg239562							
60	chr10	23632740		0.240334	2.119706	0.035476	0.934815
cg178272							
71	chr4	1.89E+08		-0.36228	-2.11913	0.035525	0.934815
cg248109							
17	chr11	79130675	TENM4	-0.35624	-2.12473	0.035048	0.933766
cg197218							
01	chr19	12807424		0.140289	2.119069	0.03553	0.934815
cg200069							
24	chr15	61521976		0.217888	2.120727	0.035388	0.934815
cg219422							
18	chr1	7723420		-0.23059	-2.12367	0.035138	0.934289
cg155846							
30	chr3	1.5E+08		0.200266	2.119736	0.035473	0.934815
cg046572			GOLGA8B;ENSG				
05	chr15	34807050	00000231409	0.226182	2.12132	0.035338	0.934815
cg198634							
56	chr1	9186001		0.342249	2.122455	0.035241	0.934815
cg209495							
68	chr5	16938859		0.251748	2.122226	0.035261	0.934815

cg067005							
21	chr13	73413970		0.31807	2.120628	0.035397	0.934815
cg216441							
11	chr1	2.32E+08		-0.21262	-2.11896	0.03554	0.934815
cg148476							
58	chr15	33489750 RYR3		-0.25581	-2.11815	0.035609	0.934815
cg085614							
42	chr16	49891857		-0.21928	-2.12386	0.035122	0.934289
cg017126							
86	chr1	2.36E+08		0.265926	2.120812	0.035381	0.934815
cg192145			ADM2;ENSG000				
94	chr22	50629038 00273188		0.298879	2.122816	0.03521	0.934815
cg095841							
18	chr11	45273975		0.260673	2.118598	0.035571	0.934815
cg232955							
92	chr1	19971176		0.191955	2.118699	0.035562	0.934815
cg074690							
63	chr15	69755704		0.243771	2.118049	0.035618	0.934815
cg267495							
18	chr19	51506165		0.548962	2.122128	0.035269	0.934815
cg063716			GALNS;ENSG000				
28	chr16	89173705 f3	00260259;SPAT	0.586291	2.122988	0.035196	0.934815
cg147801			A33;GAS8;C16or				
15	chr6	31660861 LSM2;AIF1;TUBB		0.249987	2.122084	0.035273	0.934815
cg175347							
70	chr3	1.19E+08		-0.19554	-2.11941	0.035501	0.934815
cg036956							
66	chr19	38210224 CATSPERG		0.204525	2.120641	0.035396	0.934815
cg103366							
71	chr7	31008806 PDE1C		-0.30313	-2.11996	0.035454	0.934815
cg255564							
32	chr2	2.4E+08		0.233673	2.123151	0.035182	0.934605
cg044969							
20	chr16	2032394 ZG16B;TBC1D24		0.187784	2.123972	0.035112	0.934289
cg052393							
11	chr15	78913147		0.349206	2.122787	0.035213	0.934815
cg144081							
73	chr9	1.4E+08		0.498929	2.120498	0.035408	0.934815
cg097973							
12	chr18	74206912		-0.2134	-2.12501	0.035024	0.933766
cg051193							
74	chr6	32399399		-0.20654	-2.12475	0.035046	0.933766
cg018389			MAPK8IP1;TSPA				
71	chr11	45825448 N18;CRY2		0.234951	2.120818	0.035381	0.934815

cg022036							
56	chr7	23285761		-0.23708	-2.12144	0.035328	0.934815
cg134146							
79	chr11	70243843		0.228715	2.119533	0.035491	0.934815
cg263724							
23	chr22	20067491		-0.14678	-2.11941	0.035501	0.934815
cg020621							
91	chr9	1.39E+08		-0.1467	-2.1194	0.035502	0.934815
cg231781							
86	chr11	1321213 PKP3		0.349708	2.121798	0.035297	0.934815
cg152364							
60	chr22	30163365		0.138561	2.11992	0.035457	0.934815
cg154279							
41	chr14	58711122		0.321977	2.12093	0.035371	0.934815
cg225158							
85	chr2	1573839		-0.25284	-2.11876	0.035557	0.934815
cg236304			SH2D4A;PSD3;AS				
42	chr8	18245225 AH1		0.20669	2.120638	0.035396	0.934815
cg174167							
48	chr6	28872093		-0.20807	-2.12259	0.03523	0.934815
cg229276							
53	chr12	66860050		0.315346	2.124299	0.035084	0.934048
cg250798							
65	chr2	2.2E+08		-0.27964	-2.11729	0.035683	0.934815
cg133210							
77	chr2	2.2E+08		0.369895	2.118757	0.035557	0.934815
cg256097							
49	chr6	3743352		0.361876	2.121161	0.035351	0.934815
cg134338							
81	chr2	96804750		-0.28269	-2.12046	0.035411	0.934815
cg094170							
38	chr21	47716443 YBEY		0.444508	2.121424	0.035329	0.934815
cg023648							
31	chr16	52417584		-0.27455	-2.12212	0.035269	0.934815
cg107696							
58	chr11	33061540		-0.17825	-2.1211	0.035357	0.934815
cg261721							
08	chr7	25220162		0.199321	2.119496	0.035494	0.934815
cg089429			ENSG000002616				
39	chr1	1.2E+08 62		0.353958	2.117594	0.035657	0.934815
cg062338							
15	chr17	10105216		0.371289	2.124485	0.035069	0.93393
cg095342							
43	chr6	1.07E+08		0.203119	2.117301	0.035682	0.934815
cg012302							
07	chr19	54107821 LENG9		-0.24489	-2.12449	0.035068	0.93393

		ZNF274;ZNF154; ENSG000002689					
cg240661							
98	chr19	58695006	48	0.408003	2.116683	0.035735	0.934815
cg225350							
57	chr3	9542104		0.169143	2.116985	0.035709	0.934815
cg271162							
32	chr22	35775959		0.16748	2.117886	0.035632	0.934815
		HSPA12A;ENO4; ENSG000002253					
cg077606							
22	chr10	1.18E+08	02	-0.2078	-2.12114	0.035353	0.934815
cg214166							
02	chr10	74927745		0.218961	2.116022	0.035792	0.934815
cg148547							
58	chr22	46727740		-0.2044	-2.12026	0.035428	0.934815
cg075754							
09	chr6	18694265		-0.25829	-2.11794	0.035627	0.934815
cg047760							
99	chr12	52464244		0.205744	2.118012	0.035621	0.934815
cg112899							
41	chr10	35207290	CUL2	0.215752	2.11819	0.035606	0.934815
cg213170							
88	chr18	48724267		0.157819	2.118783	0.035555	0.934815
cg140893							
07	chr14	69446181		-0.17863	-2.11874	0.035558	0.934815
cg122351							
46	chr16	1550585		-0.30762	-2.1197	0.035476	0.934815
cg205329							
72	chr3	1.71E+08		-0.27367	-2.12377	0.035129	0.934289
cg034554							
08	chr10	3171362		-0.35925	-2.11931	0.03551	0.934815
cg230456							
10	chr1	1.09E+08		-0.29114	-2.12194	0.035285	0.934815
cg132105							
80	chr1	1.61E+08		0.342826	2.121126	0.035354	0.934815
cg044690							
16	chr16	88976453	CYBA	-0.21869	-2.12128	0.035341	0.934815
cg238894							
40	chr18	48086416		0.206911	2.118665	0.035565	0.934815
cg141256							
04	chr14	85998439		0.330821	2.119463	0.035496	0.934815
cg056657							
14	chr3	1.61E+08		-0.28988	-2.11904	0.035533	0.934815
cg131238							
26	chr13	1.13E+08		-0.22604	-2.11912	0.035526	0.934815
cg027887			ENSG000002699				
18	chr8	10483120	18	-0.20037	-2.11806	0.035617	0.934815
cg067345							
10	chr2	1.99E+08	HSPD1	-0.26941	-2.11678	0.035727	0.934815

cg039961							
95	chr18	55095229		0.335517	2.119074	0.03553	0.934815
cg073888							
06	chr6	7108895		0.186739	2.121248	0.035344	0.934815
cg140529							
96	chr9	1.32E+08		-0.19792	-2.12152	0.035321	0.934815
cg143827							
50	chr9	1E+08		0.218113	2.122086	0.035272	0.934815
cg192424			ENSG000002619				
48	chr6	80816807	70	-0.24068	-2.11844	0.035585	0.934815
cg015193							
45	chr12	1.23E+08		-0.14856	-2.11731	0.035682	0.934815
			ARHGEF15;CLDN				
			7;TNFSF12;KCTD				
			11;ELP5;MPDU1;				
			MYH10;CTC1;VA				
			MP2;NLGN2;SLC				
cg059527			2A4;ACAP1;ATP1				
15	chr17	7990985	B2	-0.32556	-2.12359	0.035145	0.934326
cg034000							
60	chr5	78365801		0.245793	2.118937	0.035542	0.934815
cg269238							
10	chr16	20935690		0.241711	2.120148	0.035438	0.934815
cg132781							
15	chr2	47768650	BCYRN1	-0.14256	-2.11936	0.035505	0.934815
cg077794							
23	chr5	1948552		-0.47732	-2.1188	0.035553	0.934815
cg190520							
42	chr10	44321465		0.274964	2.125386	0.034992	0.933766
cg010792							
42	chr16	89689811		0.310552	2.121153	0.035352	0.934815
cg138014							
16	chr7	1.34E+08		-0.1851	-2.11809	0.035614	0.934815
cg102166							
15	chr20	37353158		0.288963	2.11892	0.035543	0.934815
cg245761							
33	chr2	69299868		0.257186	2.117755	0.035643	0.934815
cg171828							
70	chr22	19467413		0.198441	2.122438	0.035242	0.934815
cg037006							
79	chr2	1.78E+08		0.390325	2.120101	0.035442	0.934815
cg036604							
51	chr17	73664606		-0.25076	-2.11965	0.03548	0.934815
cg150732			ENSG000002666				
83	chr18	47090413	96	-0.18497	-2.12221	0.035262	0.934815

cg230398							
07	chr2	2.4E+08		-0.3084	-2.11954	0.03549	0.934815
cg191788							
09	chr20	32074532		-0.31702	-2.11905	0.035532	0.934815
cg185993							
61	chr13	1.13E+08		0.314607	2.11988	0.035461	0.934815
cg182312			BACH2;LYRM2;S				
29	chr6	90140023	RSF12	-0.18876	-2.12785	0.034784	0.932991
cg251602							
86	chr7	27282308		0.233805	2.12074	0.035387	0.934815
cg154231							
99	chr8	97274566		-0.16817	-2.11581	0.035811	0.934815
cg069286							
34	chr5	1.41E+08		0.416214	2.119201	0.035519	0.934815
cg039143							
97	chr5	1.52E+08		-0.32601	-2.12148	0.035324	0.934815
cg020113							
51	chr1	1.11E+08	KCNA3;AMPD2	0.200829	2.117863	0.035634	0.934815
cg005224							
03	chr16	31453591		0.569838	2.118278	0.035598	0.934815
cg273762							
71	chr18	70211835		0.362431	2.120322	0.035423	0.934815
cg009697							
87	chr1	45956256		-0.20187	-2.12021	0.035432	0.934815
cg212207							
19	chr15	91565613		-0.22237	-2.12038	0.035418	0.934815
cg162584							
45	chr2	1.12E+08		-0.13948	-2.11915	0.035523	0.934815
cg138968							
91	chr9	1.37E+08		-0.23534	-2.11857	0.035573	0.934815
cg150779							
22	chr4	2746542		-0.17212	-2.11781	0.035638	0.934815
cg136626							
28	chr9	1.28E+08		-0.39482	-2.11687	0.035719	0.934815
cg153985							
13	chr20	60718623		-0.1325	-2.12035	0.03542	0.934815
cg070174							
37	chr6	28601271		0.376593	2.117606	0.035656	0.934815
cg179164							
90	chr2	11810173		0.390245	2.119417	0.0355	0.934815
cg104578							
95	chr3	1.58E+08	MFSD1;GFM1	-0.27898	-2.11965	0.035481	0.934815
cg014404							
97	chr16	1273484		-0.22731	-2.11623	0.035774	0.934815
cg209991							
02	chr18	77516008		0.306525	2.115809	0.035811	0.934815
cg219506			ENSG000002620				
05	chr17	1077044	03;MYO1C	-0.3603	-2.1221	0.035271	0.934815

cg239468						
44	chr6	1.69E+08	0.259756	2.11694	0.035713	0.934815
cg146445						
70	chr22	26962815	0.254499	2.118386	0.035589	0.934815
cg019051						
02	chr1	2.45E+08	-0.22466	-2.11776	0.035643	0.934815
cg182674						
34	chr1	1.93E+08	-0.22472	-2.11904	0.035533	0.934815
cg028483						
31	chr11	1.34E+08	0.194701	2.118368	0.03559	0.934815
cg236335						
43	chr10	1.35E+08	0.296753	2.115494	0.035838	0.934815
cg075053						
34	chr10	13629015	0.187736	2.117262	0.035685	0.934815
cg069330						
72	chr1	1.68E+08	-0.31683	-2.11621	0.035776	0.934815
cg020489						
68	chr5	188824	-0.19705	-2.11809	0.035614	0.934815
cg099106						
35	chr7	97361026	0.34648	2.121038	0.035362	0.934815
cg046144						
59	chr10	1.04E+08	-0.19272	-2.12059	0.0354	0.934815
cg143836						
55	chr19	57831544	-0.30226	-2.11958	0.035486	0.934815
cg007738						
18	chr12	52426922	0.155437	2.118642	0.035567	0.934815
cg263128						
88	chr14	1.02E+08	-0.28863	-2.11678	0.035727	0.934815
cg206727						
11	chr3	1.11E+08	-0.32196	-2.11599	0.035795	0.934815
cg024528						
40	chr4	1.46E+08	-0.35516	-2.11469	0.035908	0.934815
cg139430						
52	chr15	40987167	-0.15279	-2.12061	0.035398	0.934815
cg160418						
06	chr1	1.74E+08	-0.21486	-2.11491	0.035888	0.934815
cg104331						
04	chr11	18417767	0.14397	2.117713	0.035647	0.934815
cg255064						
13	chr11	59323620	0.331445	2.115827	0.035809	0.934815
cg187373						
49	chr4	1.57E+08	0.220585	2.117585	0.035658	0.934815
cg031083						
30	chr19	2900762	-0.1597	-2.11802	0.03562	0.934815
cg140722						
19	chr1	2.42E+08	-0.26333	-2.11608	0.035788	0.934815
cg149813						
13	chr1	42847055	0.224241	2.11709	0.0357	0.934815

RAD51;RAD51-  
AS1



cg050015							
98	chr9	1.14E+08		-0.26544	-2.11699	0.035709	0.934815
			FASTKD5;C20orf				
cg168481			194;HSPA12B;ZN				
54	chr20	2785183	F343	0.285458	2.115738	0.035817	0.934815
cg083653							
01	chr10	5523060		-0.26069	-2.11912	0.035526	0.934815
cg214485							
54	chr6	36564272		-0.37902	-2.1165	0.035751	0.934815
cg007776							
27	chr6	1.66E+08		-0.29862	-2.11561	0.035828	0.934815
cg103465							
11	chr11	30344563		-0.14333	-2.11558	0.03583	0.934815
cg082713							
18	chr19	44809193		0.167356	2.117026	0.035706	0.934815
cg012778							
90	chr5	1.39E+08		-0.19062	-2.11732	0.035681	0.934815
cg071115							
01	chr17	62207504		0.141733	2.116934	0.035714	0.934815
cg176592			ENSG000002412				
71	chr7	5334261	69	-0.14092	-2.1179	0.03563	0.934815
cg186687			PEG3;ZNF671;ZN				
53	chr19	57352657	F154	0.208482	2.116445	0.035756	0.934815
cg064716							
81	chr17	72984322		-0.20147	-2.11541	0.035845	0.934815
cg058732							
34	chr17	7737355		0.14797	2.116583	0.035744	0.934815
cg014958							
31	chr3	97886467		-0.35116	-2.11602	0.035793	0.934815
cg157900							
37	chr17	37321490		0.290036	2.115058	0.035876	0.934815
cg004861							
13	chr6	31105711		-0.23277	-2.11683	0.035723	0.934815
cg007827							
07	chr19	1460273	SCAMP4	-0.26375	-2.11951	0.035492	0.934815
cg144707							
92	chr4	1.83E+08		-0.36949	-2.11628	0.03577	0.934815
cg020714							
54	chr1	2.13E+08		0.232117	2.116979	0.03571	0.934815
cg000207							
78	chr12	1.1E+08		0.352126	2.119665	0.035479	0.934815
cg054717							
75	chr6	26027531		-0.32855	-2.11791	0.03563	0.934815
cg158432							
62	chr2	25473895		0.364952	2.117124	0.035697	0.934815
cg123842							
62	chr21	45744725		-0.24854	-2.11445	0.035928	0.934815

cg001156							
54	chr9	1.36E+08		0.260498	2.116105	0.035785	0.934815
cg248841							
42	chr1	1.2E+08		0.338744	2.115427	0.035844	0.934815
cg258815							
53	chr1	1.51E+08		0.272572	2.118837	0.03555	0.934815
cg019561							
47	chr2	17935879		0.173214	2.115726	0.035818	0.934815
cg039557							
64	chr10	45604781		0.32288	2.115718	0.035819	0.934815
cg068241							
99	chr1	47157809 ATPAF1		0.234612	2.118462	0.035582	0.934815
cg018868							
93	chr5	1.02E+08		0.173661	2.121528	0.03532	0.934815
cg135718							
52	chr2	97652491		0.257637	2.11568	0.035822	0.934815
cg262481							
73	chr1	1.67E+08		0.317912	2.11963	0.035482	0.934815
cg229894							
07	chr21	44590650		-0.32218	-2.11931	0.03551	0.934815
cg010321							
19	chr5	10857295		0.510581	2.113328	0.036025	0.934815
cg044962							
50	chr16	22382754		0.225344	2.115938	0.0358	0.934815
cg088443							
87	chr1	1114172		0.244586	2.12005	0.035446	0.934815
cg187664							
75	chr1	1.8E+08		0.378664	2.1158	0.035812	0.934815
cg172778		ENSG000002700					
45	chr12	58019807 39		0.240134	2.116526	0.035749	0.934815
cg210319							
17	chr6	62596341		-0.35318	-2.11493	0.035886	0.934815
cg033551							
47	chr16	598833 FBXL16		-0.23384	-2.11563	0.035826	0.934815
cg179179							
22	chr10	55750870		-0.25264	-2.11565	0.035825	0.934815
cg204963							
11	chr17	1578602		0.247517	2.114868	0.035892	0.934815
cg212741							
36	chr15	69366047		-0.28834	-2.11689	0.035717	0.934815
cg141482							
53	chr7	1015460		0.237339	2.120293	0.035425	0.934815
cg055167							
55	chr16	889179		-0.26817	-2.1149	0.035889	0.934815
cg200631							
41	chr18	55101965		0.247035	2.114797	0.035898	0.934815
cg069058							
23	chr22	39638316		-0.1669	-2.11488	0.035891	0.934815
cg138555							
89	chr1	1.55E+08		0.360945	2.11566	0.035824	0.934815

cg186788						
51	chr3	12854554	-0.2243	-2.11406	0.035962	0.934815
cg070672						
80	chr2	2.2E+08	0.155816	2.117559	0.03566	0.934815
cg081196						
47	chr7	1295846	-0.26079	-2.11965	0.03548	0.934815
cg211227						
74	chr9	1.37E+08	-0.20736	-2.11417	0.035953	0.934815
cg160005						
99	chr22	19419185	-0.13949	-2.11585	0.035807	0.934815
cg253885						
27	chr18	43684054	0.28895	2.116278	0.03577	0.934815
cg003959						
29	chr15	57181938	0.184507	2.115427	0.035844	0.934815
cg069428						
14	chr7	27170819	0.354368	2.116615	0.035741	0.934815
cg199375						
72	chr13	1.01E+08	0.317256	2.114258	0.035945	0.934815
cg020379						
05	chr11	62067909	-0.24042	-2.11485	0.035893	0.934815
cg015485						
62	chr9	71836408	-0.37399	-2.11334	0.036024	0.934815
cg109974						
79	chr3	62362924	0.259692	2.117607	0.035656	0.934815
cg139262						
95	chr9	22009595	-0.2542	-2.11784	0.035636	0.934815
cg053960						
57	chr2	99224842	0.143405	2.116194	0.035778	0.934815
cg213505						
75	chr21	19617439	0.440673	2.114188	0.035951	0.934815
cg092406						
93	chr2	86038538	-0.31564	-2.11494	0.035886	0.934815
cg077336						
20	chr16	9184485	-0.15254	-2.11492	0.035888	0.934815
cg132901						
80	chr7	2082529	0.440122	2.116463	0.035754	0.934815
cg142098						
70	chr7	1.41E+08	0.231755	2.114085	0.03596	0.934815
cg000894						
64	chr6	29717223 ZNRD1-AS1	-0.22843	-2.11776	0.035643	0.934815
cg094486						
16	chr7	1798978	0.263123	2.116823	0.035723	0.934815
cg023035						
05	chr8	91592157	-0.27115	-2.11448	0.035925	0.934815
cg016527						
21	chr8	10755161	-0.32003	-2.11529	0.035856	0.934815
cg020974						
33	chr10	80538482	0.268249	2.114994	0.035881	0.934815
cg035495						
03	chr17	72197281	-0.16234	-2.11481	0.035897	0.934815

cg132808			ENSG000002550				
03	chr11	30255943	29;DCDC1	-0.4071	-2.11246	0.036101	0.934815
cg103517							
40	chr7	38470121		-0.29199	-2.11925	0.035514	0.934815
cg264625							
69	chr12	1.32E+08	GPR133	-0.27703	-2.11831	0.035595	0.934815
cg077295							
37	chr4	1.86E+08		0.413665	2.117178	0.035693	0.934815
cg266659							
04	chr12	9227237		-0.27546	-2.11398	0.035969	0.934815
cg258023							
99	chr20	61847276		-0.13347	-2.11591	0.035802	0.934815
cg273103							
11	chr2	8813841		-0.18497	-2.116	0.035794	0.934815
cg005495							
66	chr7	37488253	ELMO1	0.214655	2.113481	0.036012	0.934815
cg005468							
08	chr1	28560335		-0.15705	-2.11563	0.035826	0.934815
cg114060							
50	chr17	34998759		-0.25945	-2.11517	0.035866	0.934815
cg065157							
71	chr6	26614168		0.238004	2.113323	0.036026	0.934815
cg265329							
30	chr7	1137659		-0.20296	-2.11732	0.03568	0.934815
cg102768							
18	chr6	31671292		0.213232	2.11505	0.035876	0.934815
cg165428							
98	chr11	1.3E+08		-0.26228	-2.11523	0.035861	0.934815
cg097020							
96	chr6	32171786		-0.2565	-2.11506	0.035875	0.934815
cg030889							
90	chr20	44540278		0.204854	2.115127	0.03587	0.934815
cg160295							
34	chr17	41197783		-0.18313	-2.11287	0.036065	0.934815
cg105596							
33	chr16	58582488		0.355501	2.115974	0.035796	0.934815
cg019529							
89	chr7	1986334		-0.26071	-2.11817	0.035607	0.934815
cg253851							
16	chr1	1.5E+08		0.28751	2.116568	0.035745	0.934815
cg213402							
30	chr15	89955105		0.191282	2.113629	0.035999	0.934815
cg117180							
30	chr11	27744363		0.247604	2.114583	0.035917	0.934815
cg208564							
13	chr11	16760217	RPS13	0.186699	2.114271	0.035944	0.934815
cg233054							
08	chr1	32169701		0.294952	2.113354	0.036023	0.934815

cg135594							
39	chr8	12989237		0.242394	2.113736	0.03599	0.934815
ch.10.601							
9805R	chr10	5979799		-0.2868	-2.11256	0.036092	0.934815
cg039298							
16	chr8	1.41E+08		-0.25281	-2.11423	0.035947	0.934815
cg094815							
37	chr12	1.32E+08 GPR133;MMP17		0.326213	2.118502	0.035579	0.934815
cg220436							
34	chr8	1.45E+08		0.183189	2.115505	0.035837	0.934815
cg128846							
05	chr12	66123314 HELB;IRAK3		-0.27584	-2.11475	0.035903	0.934815
cg273419							
26	chr10	1.18E+08		0.238975	2.116031	0.035792	0.934815
cg142306							
06	chr2	43903526		0.463198	2.115125	0.03587	0.934815
cg243720							
43	chr1	1.09E+08		-0.16879	-2.11391	0.035975	0.934815
cg096060							
90	chr17	46184889		0.193356	2.11384	0.035981	0.934815
cg142842							
11	chr6	35570224		-0.4213	-2.11288	0.036064	0.934815
cg062570							
29	chr2	1.9E+08		-0.22333	-2.11667	0.035736	0.934815
cg185535							
70	chr12	48044905		-0.27844	-2.1138	0.035984	0.934815
cg101736							
94	chr12	1.33E+08		-0.42789	-2.11416	0.035953	0.934815
cg230999							
59	chr15	1.01E+08		0.300555	2.114498	0.035924	0.934815
cg209798							
15	chr11	94296907		-0.31663	-2.11877	0.035556	0.934815
cg231986							
23	chr2	1.11E+08		0.354818	2.115175	0.035865	0.934815
cg237484							
63	chr7	4948052		-0.37297	-2.11246	0.036101	0.934815
cg205858							
69	chr8	24772333 CDCA2		0.427152	2.113262	0.036031	0.934815
cg039281							
82	chr12	71314662		-0.19997	-2.11457	0.035918	0.934815
cg017428							
26	chr19	47104737		0.201836	2.115651	0.035824	0.934815
cg137906							
03	chr3	24536478		0.432561	2.112069	0.036135	0.934954
cg033841							
28	chr15	40311512		0.327719	2.116566	0.035745	0.934815
cg019415							
85	chr12	66240388 HMGA2		-0.37172	-2.11616	0.03578	0.934815
cg013738							
52	chr13	1.13E+08		-0.22253	-2.1207	0.035391	0.934815

cg135916							
73	chr11	1.06E+08		-0.28825	-2.11517	0.035866	0.934815
cg212798							
28	chr8	48343009		-0.26929	-2.11511	0.035872	0.934815
cg151023							
65	chr2	39004656		0.269893	2.115349	0.03585	0.934815
cg021746			ENSG000002535				
34	chr8	37824306	86	-0.26338	-2.11472	0.035904	0.934815
cg039493							
06	chr22	46663783		-0.16662	-2.11346	0.036014	0.934815
cg155314							
50	chr15	26047499		-0.22982	-2.11665	0.035739	0.934815
cg144844							
34	chr8	1.42E+08		0.220005	2.113452	0.036015	0.934815
cg031526							
02	chr17	38244572		-0.27212	-2.11419	0.03595	0.934815
cg193614							
30	chr8	6501499		-0.2402	-2.11409	0.035959	0.934815
cg211608							
24	chr9	1.32E+08		-0.18722	-2.1152	0.035863	0.934815
cg045342							
76	chr10	75255926		-0.14948	-2.1172	0.035691	0.934815
cg013098							
70	chr6	28584035	HCG14;ZSCAN12	0.351643	2.11339	0.03602	0.934815
cg101551							
26	chr7	36407188		0.286526	2.112488	0.036098	0.934815
cg223764							
65	chr2	1.37E+08		0.245913	2.11429	0.035942	0.934815
cg065798							
75	chr19	46001962	SNRPD2	0.180682	2.112899	0.036063	0.934815
cg228611							
16	chr5	1.41E+08		0.360163	2.116375	0.035762	0.934815
cg221403							
78	chr20	5891760		0.292134	2.115028	0.035878	0.934815
cg269240			SPATA5L1;SLC28				
12	chr15	45694286	A2;GATM	0.445993	2.112907	0.036062	0.934815
cg034669							
51	chr6	1.69E+08		-0.33879	-2.11465	0.035911	0.934815
cg143918							
32	chr13	46287862		-0.28146	-2.11389	0.035976	0.934815
cg165304							
91	chr2	2.43E+08	FARP2	-0.30377	-2.11299	0.036055	0.934815
cg053983							
21	chr14	91700968		-0.25663	-2.1124	0.036106	0.934815
cg215360							
96	chr4	1.74E+08		0.235187	2.11399	0.035968	0.934815
cg218443							
18	chr2	2E+08		-0.25753	-2.1146	0.035915	0.934815

cg177429							
47	chr19	42546977		0.249857	2.114714	0.035905	0.934815
cg000632							
91	chr5	1055962		0.259645	2.114171	0.035952	0.934815
cg159909							
72	chr2	1.77E+08		0.271442	2.115863	0.035806	0.934815
cg193701			C1orf172;SPCS2				
66	chr1	27709928	P4	0.203199	2.115923	0.035801	0.934815
cg183179							
51	chr8	96145702		-0.36022	-2.11511	0.035871	0.934815
cg050961							
61	chr17	46114674		0.318784	2.111594	0.036176	0.93501
cg047230							
73	chr2	1.83E+08		-0.22249	-2.11712	0.035698	0.934815
cg016251							
26	chr15	1.03E+08		0.232598	2.11271	0.036079	0.934815
cg020940							
18	chr17	17485934		0.217646	2.112095	0.036133	0.934954
cg123777							
09	chr3	1.39E+08		0.172151	2.114391	0.035933	0.934815
cg120828							
71	chr5	1.41E+08		0.204956	2.110701	0.036254	0.935167
cg009087							
58	chr1	84944699		-0.29972	-2.1127	0.03608	0.934815
cg011406							
60	chr11	1.33E+08		-0.30339	-2.11226	0.036118	0.934935
cg135515							
05	chr12	2014983		-0.3216	-2.11353	0.036008	0.934815
cg130010							
17	chr6	74072320		0.471682	2.113812	0.035983	0.934815
cg229609							
62	chr11	45723620		-0.22907	-2.11252	0.036096	0.934815
cg234904							
07	chr7	1.35E+08		-0.26681	-2.11307	0.036048	0.934815
cg076001							
27	chr13	30881527		-0.15022	-2.11097	0.036231	0.935077
cg043947							
63	chr1	1.54E+08		-0.20988	-2.11806	0.035617	0.934815
cg145150							
49	chr4	3075893		0.189716	2.115247	0.035859	0.934815
cg071668							
00	chr2	55509719		-0.22178	-2.11332	0.036026	0.934815
cg228764							
46	chr5	877002		-0.20237	-2.11206	0.036136	0.934954
cg266800							
97	chr3	70048832		-0.3882	-2.11203	0.036138	0.934954
cg115499			ENSG000002700				
58	chr12	1.24E+08	48	0.241504	2.113147	0.036041	0.934815
cg169112							
20	chr12	52695728		0.328348	2.112334	0.036112	0.934897

cg194801							
98	chr19	18896853	0.400725	2.112735	0.036077	0.934815	
cg025568							
55	chr16	87250516	0.517035	2.11608	0.035787	0.934815	
cg225780							
27	chr7	919518	-0.24409	-2.11499	0.035881	0.934815	
cg079909							
39	chr12	88536410	-0.25261	-2.11342	0.036017	0.934815	
cg214280							
01	chr2	1.19E+08	0.252929	2.11217	0.036126	0.934935	
cg162543							
74	chr15	83954150	-0.25237	-2.11173	0.036165	0.93501	
cg071442							
55	chr2	3323078	0.423796	2.121961	0.035283	0.934815	
cg093558							
20	chr1	10092237	-0.24484	-2.11479	0.035899	0.934815	
cg241874							
75	chr4	83821712	-0.15666	-2.11318	0.036038	0.934815	
cg185033							
81	chr19	58144462 ZNF749	0.22854	2.115883	0.035804	0.934815	
cg197466							
75	chr3	99536119	-0.20808	-2.1165	0.035751	0.934815	
cg089795							
71	chr19	408233	0.213565	2.112567	0.036091	0.934815	
cg075678							
00	chr6	1.49E+08	0.358818	2.112913	0.036061	0.934815	
cg025895		SNHG3;SNORA7					
38	chr1	28995181 3B	0.164007	2.11528	0.035856	0.934815	
cg083739							
04	chr11	1543275	-0.30399	-2.11311	0.036044	0.934815	
cg241563							
93	chr6	1.66E+08	-0.2628	-2.11033	0.036286	0.935609	
cg109437							
86	chr3	1.47E+08	0.267808	2.112608	0.036088	0.934815	
cg162199							
68	chr12	40500016	0.205449	2.115506	0.035837	0.934815	
cg011222							
41	chr4	41882748	0.206308	2.111652	0.036171	0.93501	
cg179291							
14	chr19	11747144	-0.21933	-2.11172	0.036165	0.93501	
cg118278							
37	chr2	71114932	0.165289	2.111705	0.036167	0.93501	
cg017488							
32	chr1	1911471 ATAD3C	-0.25747	-2.11478	0.035899	0.934815	
cg260246							
24	chr1	2.43E+08	-0.17303	-2.11169	0.036168	0.93501	
cg171298							
21	chr2	1.06E+08	0.266085	2.112411	0.036105	0.934815	



cg246454							
47	chr1	2.43E+08		0.405762	2.11194	0.036146	0.934999
cg140919							
54	chr13	28674885		0.179134	2.113351	0.036023	0.934815
cg085303							
17	chr11	20620824		0.263291	2.110402	0.03628	0.935609
cg080957							
70	chr19	7619558		-0.28573	-2.11482	0.035896	0.934815
cg036963							
46	chr10	44101789		0.268452	2.11377	0.035987	0.934815
cg010764							
59	chr17	2908230	ASPA;TRPV3	0.245956	2.111034	0.036225	0.935051
cg057376							
82	chr16	3021802		-0.31331	-2.1133	0.036028	0.934815
cg131740							
51	chr10	1.34E+08		-0.23099	-2.11198	0.036143	0.934999
ch.6.1692							
33872R	chr6	1.69E+08		-0.1922	-2.11344	0.036016	0.934815
cg038286							
03	chr17	43128308		0.28425	2.111142	0.036216	0.935044
cg140263							
25	chr8	1.45E+08		1.187685	2.1096	0.03635	0.93592
cg175819							
25	chr3	46798240		-0.35894	-2.11272	0.036078	0.934815

			HLA- DMA;PSMB9;TA P1;TAPSAR1;HLA- DMB;HLA- DRA;HLA- DOA;TAPBP;HLA- DPB1;PSMB8;HL				
cg019104							
19	chr6	33174761	A-DPA1;TAP2	-0.22637	-2.11323	0.036034	0.934815
cg073123							
57	chr1	2.17E+08		0.332144	2.113257	0.036032	0.934815
cg057170							
61	chr17	26637432		-0.35298	-2.11509	0.035873	0.934815
cg095098							
77	chr7	32537585		-0.2801	-2.11396	0.035971	0.934815

			IGFBP2;ENSG000 00224414;RPL7L				
cg276403							
16	chr2	2.18E+08	1P9;PECR	-0.15688	-2.11422	0.035948	0.934815
cg221757							
64	chr20	56803964		0.340099	2.112044	0.036137	0.934954

cg125255							
43	chr19	8812709	MYO1F;MARCH2	0.337073	2.112792	0.036072	0.934815
cg264631							
71	chr7	1.16E+08		-0.2548	-2.11167	0.03617	0.93501
cg254688							
63	chr13	36920660		-0.25889	-2.1122	0.036123	0.934935
cg193427							
82	chr1	70821806		-0.3231	-2.11243	0.036103	0.934815
cg030405							
30	chr1	2.29E+08		-0.19467	-2.11054	0.036268	0.935378
cg060545							
93	chr16	53737861		-0.19231	-2.113	0.036054	0.934815
cg148841							
60	chr7	89840396		0.299807	2.110657	0.036258	0.935167
cg025088							
30	chr7	1.03E+08		-0.45148	-2.11314	0.036042	0.934815
cg232640							
16	chr10	77794696		0.230209	2.111819	0.036157	0.93501
			FLT4;MAML1;GF				
cg044590			PT2;CNOT6;RNF				
91	chr5	1.8E+08	130	-0.2789	-2.11133	0.036199	0.93501
cg136412							
93	chr17	80477477		0.15601	2.115971	0.035797	0.934815
cg215154							
06	chr5	3325150		-0.30546	-2.11484	0.035894	0.934815
cg264514							
99	chr17	63694336		-0.29721	-2.11157	0.036178	0.93501
cg031476							
63	chr4	40823362		-0.16566	-2.11217	0.036126	0.934935
cg170766							
35	chr8	1.44E+08		0.471621	2.112875	0.036065	0.934815
cg010994							
53	chr22	39101431	CACNA1I	0.231717	2.111392	0.036194	0.93501
cg239244							
99	chr10	1.34E+08		-0.39627	-2.10997	0.036317	0.93592
cg172599							
52	chr20	58838244		-0.32856	-2.11155	0.03618	0.93501
cg077056							
39	chr1	1.75E+08		0.326902	2.111418	0.036191	0.93501
cg151125							
23	chr9	1.33E+08		0.190959	2.111304	0.036201	0.93501
cg222349							
30	chr15	72519739	NR2E3;GRAMD2	-0.32307	-2.11283	0.036068	0.934815
cg136233							
84	chr6	1.6E+08		0.240789	2.114565	0.035918	0.934815
cg118120							
23	chr19	40791312		-0.16671	-2.10944	0.036364	0.93592
cg045377							
29	chr15	83877135		0.3507	2.110343	0.036285	0.935609

cg148351						
38	chr10	7573552 KIN	-0.3171	-2.10997	0.036318	0.93592
cg114349						
73	chr17	7909983	-0.23631	-2.11246	0.036101	0.934815
cg146058						
74	chr6	1.01E+08	0.255184	2.115201	0.035863	0.934815
cg074494						
50	chr11	17566051 LDHA	0.335319	2.110199	0.036298	0.935746
cg235536						
59	chr13	46627004	-0.26829	-2.11115	0.036215	0.935044
cg133801						
18	chr11	71992113	0.280605	2.108855	0.036415	0.935978
cg159909						
55	chr18	55791455	-0.30444	-2.11174	0.036164	0.93501
cg230556						
82	chr2	27798724	-0.21316	-2.1099	0.036324	0.93592
cg084332						
93	chr15	89786622	0.175623	2.113638	0.035999	0.934815
cg039998						
72	chr20	62272968	0.512055	2.109142	0.03639	0.935928
cg021158						
18	chr17	42393931	0.280998	2.113744	0.035989	0.934815
cg075116						
33	chr6	29455331	-0.27913	-2.11122	0.036209	0.935044
cg086762						
42	chr7	75616848	0.238392	2.112824	0.036069	0.934815
cg245062						
37	chr20	62684484 PTK6	-0.27585	-2.1125	0.036098	0.934815
cg069465						
93	chr13	97986395	-0.26267	-2.11332	0.036026	0.934815
cg192231						
29	chr4	7052403	0.25874	2.109598	0.03635	0.93592
cg236845						
21	chr15	73926058	0.310917	2.110855	0.036241	0.935167
cg260016						
55	chr4	1356770	-0.24771	-2.1096	0.036351	0.93592
cg233042						
98	chr14	65744457 PPP1R36;TEX21P	0.347084	2.109732	0.036339	0.93592
cg139412						
92	chr15	78196623	-0.23013	-2.10806	0.036485	0.936333
cg072314						
51	chr12	1.24E+08 OGFOD2	-0.18831	-2.1117	0.036167	0.93501
cg073654						
04	chr6	26123915	-0.20477	-2.1097	0.036341	0.93592
cg081685						
85	chr16	50276772	-0.2798	-2.10959	0.036351	0.93592
cg003859						
06	chr1	1.18E+08	-0.14951	-2.11392	0.035974	0.934815
cg233870						
56	chr11	14280742	0.402519	2.109245	0.036381	0.93592

cg224016							
79	chr1	95080047		0.274903	2.112287	0.036116	0.934935
cg272433							
89	chr10	45869702		0.214748	2.111429	0.03619	0.93501
cg196467							
29	chr11	65794062		0.195594	2.111056	0.036223	0.935051
cg062231							
62	chr1	1.01E+08		-0.41495	-2.11078	0.036247	0.935167

			FAM81B;ENSGO				
			0000225165;CA				
cg123245							
98	chr5	95244262	ST;MCTP1	0.320171	2.117519	0.035663	0.934815
cg097644							
40	chr19	18263350		-0.20172	-2.11131	0.036201	0.93501
cg028709							
60	chr3	1.22E+08		-0.27287	-2.10967	0.036344	0.93592
cg160725							
35	chr10	1.32E+08		-0.20046	-2.10889	0.036412	0.935978
cg005736							
31	chr5	54472570		-0.21824	-2.11274	0.036077	0.934815
cg150235							
13	chr15	87667171		0.386189	2.109928	0.036321	0.93592
cg184224							
23	chr3	51576922		0.254653	2.114667	0.035909	0.934815
cg242399							
99	chr17	1316657	TSR1	-0.2184	-2.11298	0.036055	0.934815
cg136016							
59	chr9	98979119		-0.24058	-2.11441	0.035931	0.934815
cg118416							
52	chr19	1569056		-0.19962	-2.11506	0.035876	0.934815
cg167027							
25	chr1	1.61E+08		0.163454	2.111113	0.036218	0.935044
cg121943							
36	chr3	58067906		0.237988	2.112435	0.036103	0.934815
cg073739							
57	chr1	68148896		-0.3614	-2.11394	0.035972	0.934815
cg148075							
49	chr2	1.79E+08		-0.15124	-2.10772	0.036515	0.936504
cg026234							
00	chr1	50513749		0.428561	2.109539	0.036355	0.93592
cg247562							
13	chr17	14374231		-0.25934	-2.11273	0.036078	0.934815
cg209657							
43	chr14	1.05E+08		0.557531	2.108544	0.036443	0.935978
cg013108							
29	chr7	45928326		0.459739	2.108559	0.036441	0.935978
cg043728							
23	chr16	85690940	KLHL36	0.269476	2.111605	0.036175	0.93501

cg093012							
94	chr3	96533520		0.323485	2.114245	0.035946	0.934815
cg095950							
50	chr4	81110205	ANTXR2;PRDM8	0.310408	2.108472	0.036449	0.936027
cg072320							
63	chr1	86953050	ODF2L;DDAH1	-0.26225	-2.11508	0.035873	0.934815
cg195705							
45	chr1	2.01E+08		-0.25782	-2.11265	0.036084	0.934815
cg069628							
01	chr1	2.03E+08		-0.15603	-2.11066	0.036258	0.935167
cg111503							
53	chr1	9308197		0.236216	2.111212	0.036209	0.935044
cg041409							
06	chr15	78833505		-0.30654	-2.11117	0.036213	0.935044
cg088359							
56	chr7	39171034		-0.47308	-2.10838	0.036457	0.936075
cg227620							
88	chr20	33581493		-0.22948	-2.11283	0.036069	0.934815
cg153924							
89	chr2	72375612		-0.17142	-2.11259	0.036089	0.934815
cg243993							
95	chr21	34392203		0.301639	2.111936	0.036146	0.934999
cg108593							
29	chr14	54413218		-0.28823	-2.10911	0.036393	0.935928
cg111712							
21	chr10	1.25E+08		0.256335	2.108742	0.036425	0.935978
cg025791							
36	chr11	75917404		0.193021	2.112863	0.036066	0.934815
cg003039							
89	chr10	8302769		-0.26394	-2.11002	0.036313	0.93592
cg244138							
79	chr22	35652951		0.314141	2.10862	0.036436	0.935978
cg235694							
15	chr8	29120753		-0.16716	-2.11427	0.035944	0.934815
cg005124							
59	chr15	88266173		0.24622	2.112757	0.036075	0.934815
cg197985							
96	chr17	60829467		-0.2542	-2.1091	0.036394	0.935928
cg086887							
73	chr10	23461301		0.349835	2.109161	0.036389	0.935928
cg210434							
81	chr4	3250722		0.218368	2.110279	0.036291	0.935622
cg200708			IGHGP;ENSG000				
37	chr14	1.05E+08	00257270	-0.31396	-2.11036	0.036284	0.935609
cg171075							
40	chr10	72197470	TSPAN15	-0.34294	-2.10928	0.036378	0.93592
cg144101							
98	chr9	37424897		-0.25003	-2.11148	0.036186	0.93501

cg132125							
25	chr3	1.61E+08		-0.37495	-2.10714	0.036566	0.936661
cg037452							
34	chr19	42082102		0.210391	2.107259	0.036555	0.936661
cg225023							
08	chr5	6434966		0.259162	2.114385	0.035934	0.934815
cg004493		ENSG000002732					
84	chr9	1.31E+08 81		0.194546	2.109293	0.036377	0.93592
cg089669							
50	chr11	2871756		0.273364	2.112166	0.036126	0.934935
cg271414							
74	chr2	38358225 ARHGEF33		-0.2885	-2.10817	0.036476	0.936262
cg139869							
69	chr9	73984868 TMEM2		-0.4513	-2.10881	0.036419	0.935978
cg073480							
09	chr1	2985689		-0.19113	-2.10844	0.036452	0.936046
cg120125		ENSG000001299					
24	chr19	1268008 51;PCSK4		0.230672	2.108223	0.036471	0.936226
cg180243							
58	chr1	3420815		-0.2796	-2.11346	0.036014	0.934815
cg199812							
63	chr12	14927351		0.198204	2.109636	0.036347	0.93592
cg191480							
51	chr1	3713096		-0.18351	-2.11334	0.036024	0.934815
cg195940							
24	chr19	58919948		-0.24097	-2.11136	0.036196	0.93501
cg091587							
45	chr12	1.15E+08		0.178307	2.109623	0.036348	0.93592
cg010883							
82	chr10	23464290		0.330637	2.107354	0.036547	0.936632
cg258899							
18	chr2	1.8E+08		0.258219	2.109768	0.036335	0.93592
cg027642							
50	chr10	97145217		-0.25093	-2.10866	0.036432	0.935978
cg254152							
46	chr19	1762710		0.305031	2.10908	0.036396	0.935928
cg113827							
61	chr4	41031037		0.316604	2.110079	0.036308	0.93592
cg115863							
35	chr12	50101359 SPATS2		-0.15848	-2.10901	0.036402	0.935928
cg145567							
62	chr1	1.71E+08 SELL;F5		-0.3622	-2.10772	0.036515	0.936504
cg067474							
32	chr19	46916741		0.193979	2.116469	0.035754	0.934815
cg141721							
24	chr1	32757659		-0.15558	-2.10901	0.036402	0.935928
cg256458							
79	chr10	43047255		0.232672	2.114343	0.035937	0.934815

cg077546							
09	chr16	65269452	-0.26343	-2.10929	0.036377	0.93592	
cg270969							
81	chr4	1.24E+08	0.285676	2.110021	0.036313	0.93592	
cg031804							
04	chr11	1.27E+08	-0.3066	-2.10753	0.036532	0.936632	
cg060550							
14	chr4	7070796	0.269397	2.109653	0.036346	0.93592	
cg221996							
58	chr2	64455551	0.245406	2.107083	0.036571	0.936739	
cg026963							
51	chr20	61465651	-0.23622	-2.10863	0.036435	0.935978	
cg156016							
82	chr17	78060121	-0.44232	-2.10811	0.036481	0.936291	
cg019655							
08	chr1	2.07E+08	-0.16012	-2.10721	0.03656	0.936661	
cg108125							
26	chr12	1.01E+08	0.305558	2.10684	0.036592	0.936953	
cg273050							
60	chr11	2004506	-0.16249	-2.11113	0.036217	0.935044	
cg220175							
81	chr1	2.4E+08	-0.19445	-2.1159	0.035802	0.934815	
cg006678							
62	chr1	91300446	0.213101	2.111387	0.036194	0.93501	
cg247280							
99	chr8	80706829	-0.26823	-2.10661	0.036612	0.936953	
cg012058							
32	chr16	88371346	-0.23146	-2.10942	0.036366	0.93592	
cg170570							
86	chr8	1.33E+08	-0.26378	-2.10803	0.036487	0.936341	
cg169716							
68	chr3	27764810	0.242926	2.113811	0.035984	0.934815	
cg166314							
17	chr17	41993127	-0.27354	-2.10823	0.03647	0.936226	
cg091407							
23	chr10	72594465	-0.40759	-2.11331	0.036027	0.934815	
cg095451							
09	chr3	50388910 MAPKAPK3	0.213613	2.110965	0.036231	0.935077	
cg149834							
66	chr6	30012620 PPP1R18;HLA-E	0.33945	2.113875	0.035978	0.934815	
cg141401							
18	chr11	1.08E+08 ATM	-0.38923	-2.11252	0.036096	0.934815	
cg137842							
76	chr9	1.39E+08	0.228725	2.11282	0.03607	0.934815	
cg140518							
42	chr6	26988187	0.270881	2.110749	0.03625	0.935167	
cg180752							
87	chr12	10365459	-0.17216	-2.1097	0.036342	0.93592	
cg090264							
48	chr5	1.69E+08	-0.2676	-2.10538	0.03672	0.937422	

cg087588							
50	chr9	1.28E+08		-0.19842	-2.10718	0.036562	0.936661
cg021864							
41	chr2	63815398		0.345448	2.105782	0.036685	0.937366
cg112616							
78	chr6	33393183		0.300169	2.111047	0.036224	0.935051
cg035868							
20	chr1	16679780		0.455476	2.107971	0.036493	0.936423
cg247768							
80	chr18	42530692		-0.25585	-2.11072	0.036252	0.935167
cg008279							
89	chr2	1.75E+08		-0.31489	-2.10782	0.036507	0.936504
cg088070							
97	chr12	1.15E+08		-0.27729	-2.10684	0.036592	0.936953
cg215403							
99	chr3	61859135		0.304673	2.109265	0.036379	0.93592
cg058463							
36	chr12	1.14E+08		-0.19046	-2.10578	0.036685	0.937366
cg047075							
31	chr12	74931420		-0.19263	-2.11077	0.036248	0.935167
cg167702							
38	chr18	14747661		0.311114	2.108497	0.036447	0.936027
cg231456							
86	chr17	43503638 GJC1		-0.17127	-2.10821	0.036472	0.936226
cg140821							
23	chr15	42367977		-0.21215	-2.11168	0.036169	0.93501
cg125700							
13	chr19	57630160		-0.362	-2.10951	0.036358	0.93592
cg042704							
01	chr10	1.03E+08 SFXN3		0.254908	2.107449	0.036539	0.936632
cg242170							
05	chr22	19707567		-0.24698	-2.10576	0.036687	0.937366

cg177933			IQCA1;RAB17;C				
54	chr2	2.37E+08 OL6A3;COPS8		0.400625	2.112751	0.036076	0.934815

cg014516			ZMIZ1;ZCCHC24;				
04	chr10	80691791 PPIF		-0.29354	-2.11139	0.036194	0.93501
cg110155							
49	chr19	1026207		-0.24433	-2.10763	0.036523	0.936573
cg049588			ENSG000002532				
45	chr8	1.01E+08 99		-0.17901	-2.10903	0.0364	0.935928
cg140683							
01	chr10	3161106		0.399481	2.110948	0.036232	0.935077
cg095063							
19	chr1	2122601		0.164906	2.106696	0.036605	0.936953
cg190823							
04	chr7	1.57E+08		-0.24443	-2.10926	0.03638	0.93592



cg058619							
71	chr2	1.01E+08		-0.16411	-2.1087	0.036429	0.935978
cg183518							
58	chr3	1.84E+08		-0.24124	-2.11314	0.036041	0.934815
cg055264							
87	chr15	93126955		-0.22295	-2.10535	0.036723	0.937422
cg230837							
76	chr6	32381485		0.246102	2.108607	0.036437	0.935978
cg249484							
99	chr17	79224065	MAFG-AS1	0.195601	2.108554	0.036442	0.935978
cg107294							
19	chr6	28872100		0.192964	2.107416	0.036542	0.936632
cg229163							
38	chr5	1.41E+08	HDAC3	-0.29548	-2.10561	0.036701	0.937367
cg148814							
59	chr19	797693		0.113907	2.106343	0.036636	0.937055
cg212053							
20	chr2	3648280	TSSC1	-0.25268	-2.11066	0.036258	0.935167
cg029255							
94	chr16	57572900		-0.28943	-2.10786	0.036503	0.936504
cg032041			TCTN1;IFT81;M				
77	chr12	1.11E+08	MAB	0.348082	2.106917	0.036585	0.936953
cg134484			SLC35C1;PRDM1				
68	chr11	45231047	1;TSPAN18	0.292112	2.109056	0.036398	0.935928
cg135212							
86	chr9	71939182		0.356249	2.107719	0.036515	0.936504
cg009583							
81	chr1	3408036		-0.16529	-2.10649	0.036623	0.936959
cg095169							
58	chr19	1011150		-0.23563	-2.10835	0.03646	0.936085
cg155939							
65	chr8	1.46E+08	EXOSC4	-0.28897	-2.11297	0.036056	0.934815
cg230517							
03	chr3	50140275		0.23761	2.109286	0.036378	0.93592
cg170293			TBX3;TBX5;TBX5-				
54	chr12	1.15E+08	AS1	0.281848	2.113973	0.035969	0.934815
cg274958							
87	chr6	1.33E+08		-0.28854	-2.10736	0.036546	0.936632
cg109038							
26	chr4	1242276		-0.13267	-2.10792	0.036498	0.936493
cg125148							
73	chr20	48100798		-0.18634	-2.11082	0.036243	0.935167
cg211843							
20	chr1	21044207		0.25808	2.108636	0.036435	0.935978
cg179182							
70	chr2	1983484		0.272302	2.107396	0.036543	0.936632

cg119591							
56	chr20	62865391		0.274683	2.107682	0.036518	0.936512
cg234052							
18	chr19	38183456		0.322236	2.107283	0.036553	0.936661
cg255620							
59	chr19	42871952		0.247147	2.106782	0.036597	0.936953
cg254231			TMEM40;CAND2				
74	chr3	12236303	;IQSEC1	-0.30357	-2.1084	0.036455	0.936067
cg247016							
62	chr6	30166168		-0.2096	-2.10973	0.036338	0.93592
cg025198							
97	chr12	54133730		-0.27924	-2.10778	0.03651	0.936504
cg123681							
69	chr2	27073192		0.277728	2.105897	0.036675	0.937366
cg104574							
36	chr12	6745871	CLSTN3	-0.36818	-2.10961	0.03635	0.93592
cg009680							
21	chr1	70876888		-0.24344	-2.10487	0.036766	0.937422
cg025616							
93	chr2	4931074		-0.31111	-2.10558	0.036703	0.937367
cg126193							
47	chr11	57280909	TIMM10	-0.30693	-2.10341	0.036895	0.937425
cg097118			ENSG000002546				
41	chr8	1.46E+08	90	-0.24095	-2.10736	0.036546	0.936632
cg269516							
14	chr16	48281291	ABCC11	0.350155	2.107224	0.036558	0.936661
cg043878							
35	chr17	4649076		0.396509	2.104313	0.036815	0.937422
cg246832							
22	chr4	41880440		0.272558	2.104826	0.03677	0.937422
cg214751							
50	chr2	1.02E+08	LONRF2	0.296405	2.105778	0.036686	0.937366
cg066630							
68	chr3	9994061		0.128037	2.109495	0.036359	0.93592
cg050569							
89	chr3	1.97E+08		-0.16535	-2.10372	0.036867	0.937425
cg100400							
59	chr1	43312005		0.217557	2.106486	0.036623	0.936959
cg250306							
94	chr2	1.34E+08	NCKAP5;MGAT5	0.347938	2.108991	0.036403	0.935928
cg235172							
08	chr5	72530472		0.273613	2.109295	0.036377	0.93592
cg076985							
91	chr4	1840877		-0.25105	-2.10673	0.036602	0.936953
ch.15.153							
0357F	chr15	89865772		-0.24751	-2.10472	0.036779	0.937422
cg150292							
48	chr1	2379937		-0.23599	-2.10662	0.036612	0.936953

cg211264							
53	chr7	1120247		0.221272	2.107355	0.036547	0.936632
cg161878							
83	chr14	76448191		0.258577	2.104552	0.036794	0.937422
cg181801							
55	chr22	45809454		0.414298	2.105618	0.0367	0.937367
cg086614							
70	chr4	1556833		0.23824	2.104718	0.036779	0.937422
cg005379							
10	chr2	2.2E+08		-0.22435	-2.10445	0.036803	0.937422
cg246464							
14	chr8	11565725		0.265994	2.106567	0.036616	0.936959
cg172180							
45	chr1	26758308 ZNF683		0.342769	2.103008	0.036931	0.937425
cg026199							
41	chr20	60370985		0.229079	2.103402	0.036896	0.937425
cg205440							
97	chr5	534078		0.269152	2.104551	0.036794	0.937422
cg173371							
18	chr15	79574993		0.210989	2.10673	0.036602	0.936953
cg149968							
07	chr19	17759239		-0.35215	-2.10521	0.036736	0.937422
cg085873							
97	chr16	672930		0.274457	2.104656	0.036785	0.937422
cg039656							
48	chr2	2E+08		0.2017	2.107245	0.036557	0.936661
cg140285							
77	chr9	89259694		-0.3939	-2.10449	0.036799	0.937422
cg272284							
13	chr15	88918514		-0.23146	-2.10562	0.036699	0.937367

			FANCI;WDR93;H				
cg265814			APLN3;ENSG000				
49	chr15	89285805 00259561		-0.34423	-2.10756	0.036529	0.936632
cg262806							
85	chr11	62104020		0.190275	2.110296	0.036289	0.935622
cg128030							
04	chr1	53306727		-0.2356	-2.10714	0.036566	0.936661
cg123662							
79	chr15	78578444		-0.2242	-2.10855	0.036442	0.935978

cg079031			TAP1;HLA- DMB;HLA- DPB1;HLA- DMA;HLA- DOA;TAP2;PSMB				
44	chr6	33358872	9;HLA-DRA	0.385215	2.104855	0.036767	0.937422
cg275832							
66	chr12	71315264		-0.24245	-2.10414	0.03683	0.937422
cg099011							
06	chr5	1.76E+08		-0.21217	-2.10886	0.036414	0.935978
cg240334							
71	chr12	2735579	WNT5B;FOXO1	-0.31611	-2.1039	0.036852	0.937422
cg139503							
62	chr20	30028062		-0.29059	-2.10393	0.036848	0.937422
cg045398							
95	chr11	1219644		-0.17972	-2.10326	0.036909	0.937425
cg034127							
84	chr11	86143260		-0.30906	-2.10314	0.036919	0.937425
cg137144							
37	chr13	1.15E+08		-0.23459	-2.10592	0.036674	0.937366
cg216852							
66	chr3	1.85E+08		-0.30544	-2.10549	0.036711	0.937408
cg141698							
23	chr9	35560087		-0.14143	-2.10633	0.036637	0.937055
cg206728							
71	chr10	1.18E+08		0.342505	2.106691	0.036605	0.936953
cg158253							
04	chr2	2.42E+08	SNED1;BOK	-0.26737	-2.1068	0.036595	0.936953
cg023836							
51	chr4	1.84E+08		0.320991	2.10439	0.036808	0.937422
cg163174							
41	chr11	93861839		0.166863	2.108116	0.03648	0.936291
cg027797							
24	chr17	20464366	ULK2;MEIS3P2	-0.24457	-2.10477	0.036775	0.937422
cg025525							
72	chr16	56597746		0.242724	2.104634	0.036787	0.937422
cg251432							
35	chr1	6187886		-0.23159	-2.10571	0.036692	0.937367
cg229490							
77	chr3	1.08E+08		-0.22871	-2.10427	0.036819	0.937422
cg175783							
80	chr5	1.31E+08		0.252881	2.107711	0.036516	0.936504
cg244497							
06	chr8	25229721		-0.20592	-2.10442	0.036806	0.937422
cg027925							
21	chr19	1434903	PCSK4;MUM1	0.285308	2.10344	0.036892	0.937425

cg131999			CD52;ZNF683;ZD				
63	chr1	27126172	HHC18	0.315208	2.102875	0.036942	0.937425
cg139021							
08	chr9	1.39E+08	SNHG7	0.269258	2.105365	0.036722	0.937422
cg045852							
09	chr11	6292311		0.668964	2.10148	0.037066	0.937578
cg239457							
25	chr6	1.36E+08		0.132074	2.102907	0.036939	0.937425
cg032905							
30	chr3	1.37E+08		0.275082	2.104026	0.03684	0.937422
cg150307			PRR15;ENSG000				
12	chr7	29304984	00272568	-0.28695	-2.10474	0.036778	0.937422
cg240696			HIST1H4H;HMG				
74	chr6	27230661	N4;HIST1H4K;HIS				
ch.2.4069			T1H4J	0.267474	2.10742	0.036541	0.936632
0643F	chr2	40837139		-0.28079	-2.10873	0.036426	0.935978
cg235943							
45	chr14	1.06E+08		-0.34446	-2.10491	0.036762	0.937422
cg038118							
29	chr1	949449		0.217626	2.106228	0.036646	0.937093
cg081876							
87	chr2	1.77E+08		0.236391	2.106517	0.036621	0.936959
cg001353							
99	chr4	7783873	PSAPL1;ABLM2	0.267869	2.102745	0.036954	0.937425
cg011752							
20	chr20	30617892		-0.16511	-2.10687	0.03659	0.936953
cg106900							
03	chr7	96622311		0.193555	2.103909	0.036851	0.937422
cg069289							
24	chr5	1.28E+08		0.203454	2.105584	0.036703	0.937367
cg168994							
86	chr17	1957832		-0.18173	-2.10628	0.036642	0.937091
cg096727							
65	chr1	67266843		-0.30322	-2.10296	0.036935	0.937425
cg140344			ANKRD24;GNA1				
76	chr19	3556718	5	-0.21196	-2.104	0.036842	0.937422
cg003531							
39	chr15	75017914		0.177389	2.104696	0.036781	0.937422
cg139014							
33	chr17	73285524		0.152139	2.104036	0.03684	0.937422
cg002346							
16	chr2	74740572		0.274567	2.101232	0.037088	0.937741
cg214155							
49	chr4	1.15E+08		-0.23274	-2.10407	0.036837	0.937422

cg107144							
03	chr17	55162284		-0.14919	-2.10636	0.036635	0.937055
cg232348							
32	chr3	24536323		0.17726	2.104893	0.036764	0.937422
cg039289							
61	chr3	1.97E+08	SLC51A	0.291523	2.104539	0.036795	0.937422
cg175082							
74	chr5	1.33E+08		0.221013	2.102441	0.036981	0.937425
cg274524							
51	chr7	56119366		-0.13737	-2.1093	0.036376	0.93592
cg221622							
81	chr2	2.07E+08		0.340405	2.106254	0.036644	0.937091
cg077693							
32	chr15	57211559		-0.25667	-2.10603	0.036664	0.937316
cg158072							
87	chr7	1530113		-0.26219	-2.10168	0.037048	0.937447
cg088317							
44	chr7	45961346		0.295699	2.107759	0.036511	0.936504
cg119665							
24	chr11	1.16E+08		-0.19577	-2.1031	0.036923	0.937425
cg231163							
40	chr6	28540475		0.279124	2.106049	0.036662	0.937316
cg237157			MRPS15;AGO3;				
49	chr1	37413867	GNL2;CDCA8	-0.31683	-2.10185	0.037033	0.937425
cg201245							
47	chr2	1.75E+08		0.303682	2.102046	0.037016	0.937425
cg243193							
81	chr15	83316911		0.188105	2.104854	0.036767	0.937422
cg091299							
76	chr17	39165006		-0.25589	-2.10411	0.036833	0.937422
cg253256							
45	chr6	1.66E+08		-0.27772	-2.10604	0.036662	0.937316
cg165447							
04	chr21	44037277	TMPRSS3	-0.27538	-2.10581	0.036683	0.937366
cg018109							
26	chr1	53663981	COA7	-0.21888	-2.10186	0.037032	0.937425
cg227636			SLFN12L;CCL4;E				
80	chr17	33815432	NSG0000026707	0.379372	2.102004	0.03702	0.937425
cg126944			4;ENSG0000026				
40	chr20	10415917	7554;ENSG0000	0.192641	2.104507	0.036798	0.937422
cg164223							
16	chr16	71844250		-0.28778	-2.10411	0.036833	0.937422

cg273913							
99	chr8	1.46E+08		-0.17534	-2.10463	0.036787	0.937422
cg214000							
15	chr18	55102461		-0.1951	-2.10414	0.036831	0.937422
cg149482							
79	chr4	1.51E+08		0.237368	2.102802	0.036949	0.937425
cg140010							
35	chr15	26026152		-0.25789	-2.10699	0.036579	0.936897
cg193402							
78	chr10	97453975		-0.13817	-2.10318	0.036915	0.937425
cg093686							
70	chr1	1.09E+08		0.159045	2.105094	0.036746	0.937422
cg186377							
61	chr12	1.23E+08	LRRC43	0.18768	2.105668	0.036695	0.937367
cg126759							
42	chr10	71160999		-0.23891	-2.1052	0.036737	0.937422
cg156956							
48	chr17	53828850		0.175991	2.10472	0.036779	0.937422
cg167883							
22	chr10	1.22E+08		0.309895	2.10261	0.036966	0.937425
cg140396			LGALS1;KCTD17;				
49	chr22	38352398	MFNG	-0.23547	-2.103	0.036931	0.937425
cg136300			ENSG000002616				
49	chr8	1.43E+08	55;PTP4A3	-0.3139	-2.10211	0.03701	0.937425
cg025899							
49	chr12	13027685		-0.2078	-2.10301	0.036931	0.937425
cg022839			ADAT2;ENSG000				
49	chr6	1.44E+08	00235740	0.330452	2.11169	0.036168	0.93501
cg089899			ATP6V1B1;PAIP2				
42	chr2	71063282	B	-0.32461	-2.10336	0.036899	0.937425
cg274242							
26	chr22	38201142		0.161972	2.105542	0.036707	0.937405
cg240837							
46	chr19	45826152		-0.17613	-2.10229	0.036994	0.937425
cg116701							
09	chr7	30810864		0.247647	2.104391	0.036808	0.937422
cg082841			ENSG000002147				
50	chr5	1.11E+08	84	-0.27543	-2.10661	0.036612	0.936953
cg217765							
72	chr6	33239236		-0.15541	-2.10417	0.036828	0.937422
cg019350							
86	chr1	32674191	LCK	0.215024	2.103374	0.036898	0.937425
cg165860							
93	chr2	2.04E+08		0.178197	2.102185	0.037004	0.937425
cg008980							
13	chr13	1.14E+08		0.395845	2.101968	0.037023	0.937425

cg029414							
31	chr16	68563886		-0.24317	-2.1046	0.03679	0.937422
cg062347							
41	chr12	58662850	DTX3	0.35577	2.10632	0.036638	0.937055
cg211261							
63	chr19	49149765		-0.14954	-2.10298	0.036933	0.937425

			ZSCAN18;ZIK1;Z				
			NF135;ZNF549;Z				
cg149727							
43	chr19	58609960	NF134	0.267449	2.102014	0.037019	0.937425
cg122968							
60	chr11	46409428		0.15355	2.105908	0.036674	0.937366
cg127855							
73	chr14	1.01E+08		-0.2345	-2.105	0.036754	0.937422
cg108227							
18	chr6	28478158	HIST1H2AJ	-0.2777	-2.10135	0.037078	0.937589
cg052698							
45	chr8	690059		0.333924	2.102974	0.036934	0.937425
cg184773							
80	chr15	1.02E+08		-0.25641	-2.1034	0.036896	0.937425
cg206928							
96	chr1	1.84E+08		0.200175	2.104757	0.036776	0.937422
cg247996							
20	chr4	55100025		0.308894	2.104057	0.036838	0.937422

			GSKIP;C14orf132				
			;SYNE3;LINC003				
cg101459							
26	chr14	95875792	41	-0.20726	-2.10326	0.036908	0.937425
cg057894							
76	chr6	1.59E+08		0.182409	2.103794	0.036861	0.937425
cg179871							
12	chr5	1.74E+08		-0.32408	-2.1032	0.036913	0.937425
cg146565							
38	chr1	1.98E+08		-0.3216	-2.10606	0.036661	0.937316
cg063819							
66	chr16	72994598		-0.21714	-2.10317	0.036916	0.937425
cg043079							
27	chr17	41132963		-0.16607	-2.10655	0.036618	0.936959

			ZNF663P;SLC13A				
			3;WFDC6;SYS1;S				
			DC4;EPPIN;TOM				
cg236094							
50	chr20	44313578	M34;HSPD1P21	-0.29991	-2.10262	0.036965	0.937425
cg260256							
91	chr17	29901842		0.241378	2.105429	0.036716	0.937422



cg026756							
46	chr19	40996118		0.460303	2.104687	0.036782	0.937422
cg222672			SNORA23;RPL27				
34	chr11	9087524	A	0.202918	2.103477	0.036889	0.937425
cg145600							
30	chr6	33159572		0.130122	2.103435	0.036893	0.937425
cg219156							
39	chr1	46769308	RPS15AP10	-0.1674	-2.10461	0.036789	0.937422
cg117816							
76	chr2	22416541		0.292016	2.103953	0.036847	0.937422
cg134574							
62	chr8	49801972		-0.2964	-2.10195	0.037024	0.937425
cg209259							
54	chr10	1.12E+08		-0.26514	-2.10149	0.037065	0.937578
cg090031							
35	chr10	1.03E+08		0.223825	2.101136	0.037097	0.937845
cg208288							
97	chr11	2610595		-0.21223	-2.10138	0.037075	0.937578
cg114952							
85	chr10	90636202		-0.30962	-2.1045	0.036798	0.937422
cg088262							
81	chr19	49655176	SLC6A16	0.236937	2.102822	0.036947	0.937425
cg030528							
56	chr22	43578698		-0.21774	-2.1023	0.036993	0.937425
cg019479							
36	chr11	47470633	PTPRJ;LRP4	-0.25996	-2.10478	0.036774	0.937422
cg158624							
52	chr14	23235611		-0.26071	-2.10188	0.037031	0.937425
cg044034							
42	chr8	24287082		-0.31883	-2.10865	0.036433	0.935978
cg258704							
20	chr3	37493949		-0.12777	-2.10341	0.036895	0.937425
cg008352							
79	chr2	3642710		0.333547	2.102221	0.037	0.937425
cg272450							
56	chr10	1.22E+08		0.267129	2.102544	0.036972	0.937425
cg229636							
29	chr7	31147341	MTURN	-0.30159	-2.10283	0.036947	0.937425
cg111663							
12	chr1	2.07E+08		0.25249	2.099284	0.037262	0.938449
cg085545							
36	chr13	1.13E+08		-0.2493	-2.10172	0.037045	0.937425
			RRM2;MBOAT2; CYS1;ADAM17;E NSG0000026110				
cg059919							
02	chr2	9385082	4;ASAP2	-0.46565	-2.10174	0.037043	0.937425

cg153493							
41	chr22	25595697		-0.22232	-2.1045	0.036799	0.937422
cg250879							
58	chr5	34915621		-0.14663	-2.10235	0.036989	0.937425
cg056829							
68	chr16	71471898		-0.2383	-2.10156	0.037059	0.937578
cg187294							
88	chr3	3221555		0.20618	2.1049	0.036763	0.937422
cg051405							
93	chr4	1.3E+08		0.231001	2.102871	0.036943	0.937425
cg160617							
61	chr7	89127 CYP2W1		-0.25812	-2.10209	0.037012	0.937425
cg037911							
59	chr7	1.55E+08		0.191615	2.103088	0.036923	0.937425
cg187046							
91	chr1	2.21E+08		0.244487	2.101762	0.037041	0.937425
cg025434							
02	chr12	68647356		0.285998	2.103716	0.036868	0.937425
cg116110			UHRF1BP1;SRPK				
97	chr6	35173534	1;SPDEF;TULP1	-0.28923	-2.09994	0.037203	0.938449
cg006580							
85	chr3	1.5E+08		-0.26348	-2.1018	0.037037	0.937425
cg215642							
42	chr3	1.8E+08		0.195096	2.101931	0.037026	0.937425
cg226397							
87	chr20	57464973		0.220008	2.100196	0.03718	0.938449
cg268019							
36	chr1	1916344		-0.22975	-2.10329	0.036905	0.937425
cg215835							
65	chr2	1.74E+08		0.212247	2.100631	0.037142	0.938423
cg080768							
30	chr18	44774923		0.279392	2.10184	0.037034	0.937425
cg248614							
44	chr19	48956265		-0.24466	-2.1039	0.036852	0.937422
cg109051							
80	chr11	4701824		-0.35734	-2.1023	0.036994	0.937425
cg032536							
92	chr2	2.43E+08		-0.15248	-2.09985	0.037211	0.938449
cg275593							
43	chr14	99947096		-0.19429	-2.10217	0.037005	0.937425
cg238713							
88	chr19	56609854		-0.24318	-2.10346	0.03689	0.937425
cg120728							
03	chr19	4968558		0.273361	2.104248	0.036821	0.937422
cg038101							
98	chr17	74679597		2.44017	2.09776	0.037398	0.938449
cg067891							
94	chr7	1.53E+08		0.247369	2.101987	0.037021	0.937425

cg260107							
51	chr3	51742513		-0.26793	-2.10024	0.037177	0.938449
ch.1.4812							
384F	chr1	2.42E+08		-0.3599	-2.10138	0.037075	0.937578
cg056309							
43	chr16	76521159		-0.33788	-2.10079	0.037127	0.938232
cg035101							
17	chr7	25164991		0.190795	2.105906	0.036674	0.937366
cg133534							
72	chr19	39343117		0.14079	2.101839	0.037034	0.937425
cg271583							
40	chr14	1.06E+08		0.19557	2.102344	0.036989	0.937425
cg206028							
43	chr10	95351603		-0.24708	-2.10091	0.037117	0.938141
cg113673							
54	chr7	96651983		0.200486	2.101479	0.037066	0.937578
cg123894		ENSG000002426					
23	chr3	1.19E+08 22		-0.27591	-2.10489	0.036764	0.937422
cg268139							
08	chr17	28443598		0.292947	2.098969	0.03729	0.938449
cg066466							
82	chr1	1273442		0.30797	2.099868	0.03721	0.938449
cg095616							
63	chr20	2276435		-0.23659	-2.10253	0.036973	0.937425
cg065630							
89	chr12	75601157		0.347912	2.104287	0.036817	0.937422
cg264173							
61	chr6	99292838		0.240951	2.098417	0.037339	0.938449
cg139653							
28	chr20	2539876		-0.28987	-2.09983	0.037213	0.938449
cg147918							
31	chr16	28565295		-0.12837	-2.10288	0.036942	0.937425
cg036223							
14	chr15	50838905		0.254501	2.10189	0.03703	0.937425
cg082007							
70	chr17	80723486 FN3KRP		0.49234	2.098846	0.037301	0.938449
cg234207							
79	chr14	23530483		-0.19028	-2.10348	0.036889	0.937425
cg021522							
65	chr19	17324656 COLGALT1		-0.24692	-2.10178	0.037039	0.937425
cg111410							
13	chr16	30583056		-0.16957	-2.09929	0.037261	0.938449
cg134780		ENSG000002639					
31	chr18	47808184 16		-0.13752	-2.09967	0.037228	0.938449
cg022557							
00	chr11	69455274		-0.19926	-2.1015	0.037064	0.937578
cg254878							
04	chr11	3187511		-0.27834	-2.10058	0.037146	0.938433
cg151327							
10	chr18	44237801		-0.23777	-2.10003	0.037195	0.938449

cg271360						
78	chr13	1.12E+08	0.288994	2.102031	0.037017	0.937425
cg165149						
95	chr1	1.01E+08	0.233931	2.101444	0.037069	0.937578
cg134252						
79	chr9	1.41E+08	-0.28781	-2.09901	0.037287	0.938449
cg063699						
92	chr10	1.19E+08	0.370674	2.102903	0.03694	0.937425
cg066291						
30	chr18	44787585	0.383786	2.099677	0.037227	0.938449
cg082607						
60	chr20	3451529	-0.1503	-2.09838	0.037342	0.938449
cg154803						
67	chr14	93389485 FBLN5	0.228715	2.10078	0.037128	0.938232
cg165206						
52	chr22	22302600	-0.22198	-2.10067	0.037138	0.93839
cg040792						
15	chr1	95095221	-0.26358	-2.10203	0.037017	0.937425
cg042279						
45	chr12	243842	-0.20506	-2.10039	0.037163	0.938449
cg053421						
36	chr4	3528373	0.263759	2.100421	0.03716	0.938449
cg172502						
96	chr17	37331628 THRA	-0.25146	-2.10024	0.037177	0.938449
cg110723						
73	chr4	1E+08	-0.20796	-2.10362	0.036876	0.937425
cg105147						
70	chr5	1.09E+08	0.281315	2.102016	0.037019	0.937425
cg081079						
09	chr3	1.5E+08	0.335427	2.100235	0.037177	0.938449
cg182341						
15	chr1	2.46E+08	-0.32192	-2.10477	0.036774	0.937422
cg094310						
58	chr7	45216061	-0.28345	-2.0991	0.037278	0.938449
cg231900						
93	chr19	11465559 RAB3D;ZNF788	0.215423	2.10037	0.037165	0.938449
cg179099						
96	chr19	8214685	-0.34023	-2.10583	0.036681	0.937366
cg078128						
49	chr16	1183588	-0.26922	-2.09749	0.037423	0.938449
cg084758						
27	chr2	1.52E+08	0.395474	2.098839	0.037302	0.938449
ch.15.465						
126R	chr15	42729071	-0.29439	-2.10146	0.037068	0.937578
cg211120						
99	chr6	75912633 MYO6	-0.22985	-2.10644	0.036628	0.937013
cg254475						
59	chr10	38073387	0.288028	2.098843	0.037301	0.938449
cg033750						
02	chr7	73623876	-0.26368	-2.10307	0.036925	0.937425

cg090001							
12	chr5	1.07E+08		-0.25386	-2.10085	0.037122	0.938211
cg000129							
20	chr17	73911257		-0.22739	-2.09946	0.037246	0.938449
cg077745							
89	chr18	73625808		-0.27441	-2.09797	0.037379	0.938449
cg044751							
93	chr5	1.32E+08		-0.27053	-2.0999	0.037207	0.938449
cg077827							
44	chr11	73051203		-0.1382	-2.10286	0.036944	0.937425
cg259908							
48	chr14	1.06E+08		-0.19423	-2.10016	0.037183	0.938449
cg053361							
98	chr7	50853341		-0.26448	-2.09952	0.037241	0.938449
cg190133							
91	chr3	1.23E+08		0.239462	2.099535	0.037239	0.938449
cg143662							
92	chr10	1.24E+08		-0.20855	-2.10217	0.037005	0.937425
cg067156							
06	chr9	1.4E+08		-0.29654	-2.10015	0.037184	0.938449
cg186739							
54	chr10	1.05E+08		0.23555	2.097881	0.037387	0.938449
cg110726							
37	chr7	65773051	TPST1;INTS4L2	-0.37915	-2.10105	0.037104	0.937928
cg007350			ADARB1;ENSG00				
80	chr21	47285121	000267857	-0.42687	-2.09984	0.037212	0.938449
cg165822							
55	chr5	41152767		0.578928	2.098236	0.037356	0.938449
cg167246							
96	chr11	1.19E+08	CD3E	-0.18049	-2.09922	0.037268	0.938449
cg181534							
99	chr19	47142459		-0.1923	-2.1048	0.036772	0.937422
cg173233							
36	chr8	1.39E+08		-0.27076	-2.10233	0.03699	0.937425
cg196178							
97	chr15	71818628	THSD4;LARP6	0.445113	2.101961	0.037023	0.937425
cg120978							
83	chr17	62774939	C17orf72	0.407778	2.101948	0.037025	0.937425
cg097625							
15	chr7	1.02E+08		-0.30101	-2.10408	0.036835	0.937422
cg019346							
26	chr5	1.8E+08		-0.28442	-2.10667	0.036607	0.936953
cg030468							
12	chr1	2.06E+08		-0.18539	-2.10549	0.036711	0.937408
cg121182			CD300LF;CD300				
46	chr17	72462441	A	0.307788	2.098396	0.037341	0.938449
cg206742							
48	chr1	1.58E+08		-0.21786	-2.10138	0.037075	0.937578

cg006223							
18	chr10	1.31E+08		0.252874	2.099719	0.037223	0.938449
			RCN3;FCGRT;TE				
			AD2;CARD8;CPT				
			1C;HRC;PLA2G4				
			C;PPFIA3;HSD17				
			B14;EMP3;NTF4;				
cg085368			CA11;ENSG0000				
41	chr19	49250452	0268001	0.518615	2.098181	0.03736	0.938449
cg043143			ENSG000002702				
08	chr19	19336150	70	-0.22382	-2.09934	0.037257	0.938449
cg166223							
53	chr17	48454200		-0.19718	-2.09979	0.037217	0.938449
cg050192							
21	chr2	2.41E+08		-0.25492	-2.10243	0.036982	0.937425
cg068464							
41	chr7	4780516		-0.32396	-2.10199	0.037021	0.937425
cg072782							
07	chr11	31391293		0.275387	2.099921	0.037205	0.938449
cg187882							
05	chr20	43103897		0.192856	2.098487	0.037333	0.938449
cg023089							
54	chr3	15140799		-0.18437	-2.09808	0.03737	0.938449
cg028022			SLC3A1;ENSG00				
98	chr2	44001252	000230587	-0.19368	-2.09907	0.037281	0.938449
cg217921							
56	chr6	27775847		-0.2293	-2.1053	0.036728	0.937422
cg273060							
34	chr1	1.55E+08		0.176212	2.098035	0.037374	0.938449
cg097536							
57	chr1	1.6E+08	SLAMF6;CD84	0.359651	2.101304	0.037082	0.937634
cg017639							
02	chr6	1.13E+08		-0.23981	-2.09883	0.037302	0.938449
cg212458			LARP6;UACA;KIF				
75	chr15	70354825	23	0.325634	2.098633	0.03732	0.938449
cg096892							
96	chr2	12866929		-0.20982	-2.09965	0.037229	0.938449
cg073066							
76	chr12	1.33E+08		0.24976	2.103003	0.036931	0.937425
cg022146							
98	chr4	888127		0.275752	2.097812	0.037394	0.938449

			EFCAB6;TTLL1;EFCAB6-AS1;MCAT;CENPM;MPPED1;BIK;A4GALT;PACSIN2;ARFGAP3;SMDT1;NAGA;NFAM1;SCUBE1;ATP5L					
cg02935298	chr22	43036734	2	0.378507	2.102933	0.036937	0.937425	
cg24949251	chr18	22006480		-0.2612	-2.0999	0.037207	0.938449	
cg23046154	chr13	25879162		-0.27226	-2.09865	0.037318	0.938449	
cg11346333	chr1	12833744		-0.29578	-2.09717	0.037451	0.938538	
cg08963118	chr16	89636230		-0.25309	-2.09917	0.037272	0.938449	
cg19822176	chr6	43251485	TMEM63B	-0.32551	-2.09772	0.037402	0.938449	
			MPV17L;ABCC6;C16orf45;ABCC1					
cg16702014	chr16	16168399	;KIAA0430	0.415905	2.097059	0.037461	0.938538	
cg08601192	chr10	1.32E+08	EBF3;GLRX3	0.305616	2.096921	0.037473	0.938538	
cg25116269	chr2	55509523		-0.25812	-2.09937	0.037254	0.938449	
cg03117540	chr1	3498927		-0.25584	-2.09896	0.037291	0.938449	
cg04302628	chr2	2.41E+08		-0.25741	-2.10003	0.037195	0.938449	
cg24013105	chr8	1.38E+08		-0.29765	-2.09846	0.037335	0.938449	
cg05093576	chr17	54263750		-0.39274	-2.09769	0.037404	0.938449	
cg25368667	chr1	26675790		-0.26886	-2.09661	0.037501	0.938538	
cg21082271	chr19	18319197	HOMER3	0.18758	2.100267	0.037174	0.938449	
cg14576824	chr1	2.13E+08		0.368391	2.097001	0.037466	0.938538	
cg19180542	chr10	43047893		-0.25692	-2.09706	0.037461	0.938538	

cg098966							
22	chr13	1.03E+08		0.28187	2.098974	0.03729	0.938449
cg007789							
28	chr2	1.28E+08		-0.21757	-2.097	0.037466	0.938538
cg095489							
50	chr19	55580897		-0.18959	-2.09748	0.037424	0.938449
cg253716							
72	chr10	1.3E+08		-0.2273	-2.09666	0.037497	0.938538
cg112659							
16	chr22	22221056 IGLV1-44		-0.2084	-2.09818	0.037361	0.938449
cg111311			ENSG000001763				
17	chr7	1891496 49;TTYH3		0.323359	2.098298	0.03735	0.938449
cg233415							
67	chr17	38278395		-0.27002	-2.09749	0.037422	0.938449
cg195128							
48	chr14	94463829 SERPINA10		0.205172	2.098802	0.037305	0.938449
cg111908							
90	chr17	73870956		-0.21949	-2.09947	0.037245	0.938449
cg199429							
77	chr11	83394759 DLG2		-0.30919	-2.09917	0.037272	0.938449
cg102909							
88	chr11	1673766		-0.24229	-2.09749	0.037422	0.938449
cg213050			ADARB1;ENSG00				
68	chr21	45622219 000268805		0.222486	2.099363	0.037255	0.938449
cg049469							
10	chr16	3243392		0.313319	2.095663	0.037587	0.938655
cg261107							
33	chr1	1.12E+08		-0.23581	-2.09903	0.037284	0.938449
cg191888							
81	chr17	40912968		0.312514	2.098152	0.037363	0.938449
cg181434							
88	chr2	2.02E+08		0.204753	2.096745	0.037489	0.938538
cg006464							
92	chr10	1.06E+08		0.29843	2.09722	0.037447	0.938538
cg047556							
07	chr10	94000543		-0.34424	-2.09822	0.037357	0.938449
cg243659							
84	chr11	1.21E+08		-0.31613	-2.09688	0.037477	0.938538
cg122109							
14	chr1	2.28E+08		0.353208	2.099271	0.037263	0.938449
cg037077							
76	chr11	8190448		-0.20134	-2.09476	0.037668	0.938719
cg028751							
18	chr11	1.13E+08		-0.26048	-2.09948	0.037244	0.938449
cg261858							
59	chr2	60691266 BCL11A		0.262391	2.09825	0.037354	0.938449
cg191419							
13	chr11	61684526		0.182433	2.099255	0.037264	0.938449



cg241208							
25	chr3	1.22E+08		0.170188	2.098914	0.037295	0.938449
cg081664							
31	chr16	11272247		0.262992	2.097583	0.037414	0.938449
cg010976							
96	chr13	53426032		-0.29627	-2.09532	0.037617	0.938655
cg040597							
73	chr19	53561563		0.419037	2.097273	0.037442	0.938538
cg071540							
63	chr2	1.76E+08		-0.19482	-2.0978	0.037394	0.938449
cg011395							
53	chr3	1.93E+08	MB21D2	-0.24187	-2.09548	0.037603	0.938655
cg045881							
65	chr17	35300874		0.270705	2.097451	0.037426	0.93845
cg137017							
30	chr9	99179288		-0.2209	-2.09457	0.037685	0.938719
cg111732			IFITM2;TSPAN4;				
46	chr11	841376	DUSP8	0.285837	2.096035	0.037553	0.93861
cg076677							
65	chr6	1.7E+08		-0.33084	-2.09523	0.037625	0.938655
cg153195							
85	chr7	4307392		-0.25092	-2.0983	0.03735	0.938449
cg002666							
47	chr12	976027		-0.22686	-2.09697	0.037469	0.938538
cg263549			ENSG000002583				
08	chr12	49610040	34;FMNL3;SPATS	-0.27255	-2.09697	0.037469	0.938538
cg051844			2;ASIC1;PRPH;W				
56	chr8	1.46E+08	NT10B;KCNH3	0.295529	2.095943	0.037561	0.93861
cg074973							
15	chr14	50697894		-0.2332	-2.0964	0.037521	0.938538
cg012446							
51	chr1	43734751		0.225824	2.096435	0.037517	0.938538
cg178863							
03	chr1	1.54E+08		-0.25927	-2.09639	0.037521	0.938538
cg182642							
19	chr17	34346433		-0.25797	-2.09532	0.037617	0.938655
cg160054							
94	chr7	70597713		0.272993	2.094263	0.037713	0.938719
cg154434							
03	chr3	9404422		0.333815	2.095566	0.037595	0.938655
cg243360							
89	chr6	1E+08		0.270504	2.096799	0.037484	0.938538
cg231150							
69	chr15	93615677		-0.17104	-2.09831	0.037349	0.938449

cg115390							
55	chr4	80886264	0.478424	2.096481	0.037513	0.938538	
cg185226							
55	chr17	77461284	-0.30633	-2.10049	0.037154	0.938449	
cg100306							
58	chr6	56298004	0.46788	2.09791	0.037385	0.938449	
cg109653							
84	chr11	64119977	-0.18852	-2.09442	0.037698	0.938719	
cg032525							
27	chr11	798106	-0.1538	-2.09916	0.037273	0.938449	
cg220788							
69	chr5	1.34E+08	-0.14167	-2.09955	0.037238	0.938449	
cg143819							
08	chr10	43697817	0.340566	2.09777	0.037397	0.938449	
cg042721							
33	chr14	1.01E+08	-0.19574	-2.09816	0.037362	0.938449	
cg117792							
39	chr17	73762276	0.163143	2.098821	0.037303	0.938449	
cg268870							
85	chr6	88861706	-0.35018	-2.09823	0.037356	0.938449	
cg102197							
83	chr16	75302381	0.205513	2.095136	0.037634	0.938655	
cg045244							
33	chr16	88924729	-0.12902	-2.09601	0.037555	0.93861	
cg028357							
42	chr8	29121006	-0.2401	-2.09594	0.037562	0.93861	
cg174279							
86	chr1	1.54E+08	-0.20127	-2.09873	0.037312	0.938449	
cg105535							
96	chr2	2.43E+08	-0.21991	-2.09563	0.037589	0.938655	
cg148525							
40	chr17	79683076	-0.21006	-2.09762	0.037411	0.938449	
cg098771							
36	chr14	54955533	0.188918	2.100546	0.037149	0.938449	
cg023475							
27	chr12	1.14E+08	0.258114	2.096422	0.037518	0.938538	
cg161751							
46	chr7	75783554	-0.21998	-2.09796	0.03738	0.938449	
cg002166							
80	chr6	88117358	-0.3223	-2.10108	0.037102	0.937923	
cg010798							
60	chr2	2.2E+08	-0.26349	-2.09889	0.037297	0.938449	
cg057329							
79	chr14	57284219	-0.20844	-2.09889	0.037297	0.938449	
cg150558							
08	chr19	40030247	0.209831	2.09758	0.037414	0.938449	
cg204433							
14	chr17	40925245	0.357128	2.096097	0.037547	0.93861	
cg064248							
66	chr17	45570168	0.205828	2.096364	0.037523	0.938538	

cg245117						
38	chr8	9762716	0.218061	2.09896	0.037291	0.938449
cg021107						
01	chr16	88556838	-0.26251	-2.09478	0.037666	0.938719
cg274485						
74	chr1	24127224	0.203804	2.102466	0.036979	0.937425
cg119136						
15	chr16	84273157	0.281478	2.097638	0.037409	0.938449
cg231213						
35	chr11	67784489	-0.23826	-2.09707	0.03746	0.938538
cg161369						
39	chr10	13344341	-0.18408	-2.09636	0.037524	0.938538
cg010729						
52	chr5	83679364	0.224187	2.097687	0.037405	0.938449
cg120742						
21	chr15	31732992	0.191197	2.099374	0.037254	0.938449
cg150321						
66	chr7	1.55E+08	0.217846	2.094274	0.037712	0.938719
cg049280						
96	chr16	338079 POLR3K	0.27372	2.098014	0.037375	0.938449
cg018221						
30	chr3	96534005	0.336903	2.097564	0.037416	0.938449
cg081515						
96	chr3	1.31E+08	0.276552	2.09536	0.037614	0.938655
cg029943						
49	chr1	66999753	0.358596	2.096423	0.037518	0.938538
cg109506						
15	chr2	1.22E+08	-0.44208	-2.0968	0.037484	0.938538
cg237123						
59	chr10	31609905	0.319705	2.095662	0.037587	0.938655
cg058551						
57	chr4	1.11E+08	0.331627	2.094141	0.037724	0.938719
cg184300						
34	chr5	447746	-0.27771	-2.09619	0.037539	0.93861
cg089314						
04	chr13	29227083	-0.26637	-2.09524	0.037625	0.938655
cg252500						
73	chr15	75229567	0.30897	2.0995	0.037243	0.938449
cg039453						
20	chr16	733905	-0.17487	-2.09641	0.03752	0.938538
cg032162						
61	chr6	44265681	-0.16013	-2.0983	0.03735	0.938449
cg000051						
64	chr19	35511522	0.197524	2.094881	0.037657	0.938719
cg035332						
94	chr2	2.2E+08	0.241201	2.097653	0.037408	0.938449
cg075250						
03	chr13	36871646	0.41047	2.096955	0.03747	0.938538
cg229479						
65	chr11	1.24E+08	-0.34027	-2.09438	0.037702	0.938719

cg160575							
87	chr7	1.37E+08		-0.37857	-2.0958	0.037574	0.938655
cg014900							
94	chr8	72917363		0.34902	2.096483	0.037513	0.938538
cg035278							
87	chr11	1.08E+08		0.242145	2.10215	0.037007	0.937425
cg083592							
00	chr15	78236860		-0.17973	-2.09406	0.037731	0.938719
cg196019							
91	chr5	10353435		0.147461	2.09623	0.037536	0.93861

			ENSG000002583				
			34;CCDC65;PRP				
			H;KCNH3;CACNB				
			3;C12orf68;FMN				
			L3;TUBA1A;TMBI				
			M6;RHEBL1;ZNF				
			641;LMBR1L;KA				
cg267916			NSL2;SPATS2;DN				
82	chr12	49186590	AJC22	0.333054	2.10195	0.037024	0.937425
cg006740							
04	chr10	1.01E+08		0.28402	2.095307	0.037619	0.938655
cg221758			ENSG000002464				
73	chr5	1.41E+08	22	0.346856	2.095224	0.037626	0.938655
cg176578							
14	chr5	1.12E+08	MCC	0.347223	2.099693	0.037225	0.938449
cg001048							
45	chr5	1.41E+08	PCDHB2	0.482647	2.096384	0.037522	0.938538
cg169805							
30	chr2	69099584		-0.26229	-2.09412	0.037725	0.938719
cg057928							
61	chr3	18145434		-0.28515	-2.09758	0.037414	0.938449
cg248220							
74	chr8	1.43E+08		-0.20947	-2.09674	0.03749	0.938538
cg045464							
13	chr19	29218101		-1.48155	-2.09284	0.037841	0.938719
cg143769							
68	chr9	1.32E+08		-0.15072	-2.09669	0.037494	0.938538
cg072816							
88	chr12	57082442		-0.26657	-2.09595	0.037561	0.93861
cg268617							
03	chr18	28622918		0.184938	2.101185	0.037092	0.93779
cg140827							
39	chr9	1.27E+08	NEK6;PSMB7	-0.40881	-2.0964	0.037521	0.938538

cg043919						
72	chr4	1.83E+08		0.308384	2.099092	0.037279 0.938449
cg026105						
07	chr8	1.46E+08 ZNF34		-0.18075	-2.09493	0.037653 0.938719
cg094896						
82	chr13	1.14E+08		-0.24364	-2.0965	0.037512 0.938538
cg043967						
65	chr10	76585478		0.16137	2.098725	0.037312 0.938449
cg143473						
00	chr9	6009806 JAK2		-0.27466	-2.09739	0.037432 0.938538
cg031822						
18	chr17	7100221		-0.25887	-2.09356	0.037776 0.938719
cg211523						
51	chr6	16057773		-0.25577	-2.09805	0.037372 0.938449
cg164561						
72	chr7	1.5E+08		-0.21162	-2.09272	0.037852 0.938719
cg140061						
70	chr19	12721583 CACNA1A		-0.18253	-2.09463	0.03768 0.938719
cg134676						
49	chr8	27630342		-0.30529	-2.09736	0.037434 0.938538
cg216544						
04	chr12	1.19E+08		-0.24217	-2.09463	0.037679 0.938719
cg010509						
20	chr6	1.23E+08		0.388244	2.093933	0.037742 0.938719
cg241416						
90	chr10	1.25E+08		0.190783	2.095764	0.037577 0.938655
cg137842						
64	chr15	93199130		0.15105	2.098828	0.037303 0.938449
cg083120						
83	chr2	1.15E+08		-0.17808	-2.09295	0.037831 0.938719
cg233357						
36	chr2	6717184		-0.26082	-2.0943	0.03771 0.938719
cg022523						
23	chr3	22414339		0.224981	2.093667	0.037766 0.938719
cg057881		ENSG000002235				
76	chr10	1.29E+08 28;DOCK1		0.262984	2.099136	0.037275 0.938449
cg272125						
41	chr3	49507385		-0.44285	-2.09697	0.037469 0.938538
cg123349						
90	chr2	1.06E+08		-0.18585	-2.09509	0.037638 0.938655
cg005072						
34	chr20	5986979		0.216635	2.093994	0.037737 0.938719
cg003658						
80	chr15	64647465		0.285617	2.100767	0.03713 0.938232
cg179524						
46	chr6	1.12E+08		0.190458	2.097897	0.037386 0.938449
cg009349						
97	chr14	73957439 ZFYVE1		-0.19744	-2.09516	0.037632 0.938655

cg172316						
77	chr10	1.03E+08		0.320355	2.094332	0.037706 0.938719
cg264184						
33	chr6	33239716 WDR46		-0.21887	-2.09821	0.037358 0.938449
cg022642						
29	chr14	95240560		0.232966	2.092396	0.037881 0.938916
cg142317						
04	chr17	80402432		-0.25558	-2.10061	0.037144 0.938423
cg192140						
24	chr19	3227772		0.195554	2.096167	0.037541 0.93861
cg186636						
21	chr5	1178277 NKD2		-0.23438	-2.09457	0.037685 0.938719
cg134874						
56	chr9	37773816		-0.27346	-2.09353	0.037779 0.938719
cg193448						
78	chr12	1.31E+08		0.519518	2.114599	0.035915 0.934815
cg062807						
34	chr16	89117326		0.233782	2.095681	0.037585 0.938655
cg254656						
41	chr8	1.42E+08		-0.2783	-2.09596	0.03756 0.93861
cg093065						
84	chr19	21579833		0.271917	2.095388	0.037611 0.938655
cg016954						
12	chr3	1.96E+08		0.348368	2.09538	0.037612 0.938655
cg091833						
88	chr5	1.76E+08		0.237678	2.095206	0.037628 0.938655
cg002101						
44	chr17	7210280		-0.19683	-2.093	0.037827 0.938719
cg148260						
31	chr11	75376361		-0.31324	-2.09522	0.037626 0.938655
cg184421						
87	chr6	50794722		0.361364	2.095552	0.037596 0.938655
cg157101						
98	chr8	55370334		0.281809	2.093326	0.037797 0.938719
cg088574						
36	chr7	90813370		0.299043	2.093013	0.037826 0.938719
cg034283						
99	chr1	1.65E+08 UCK2		-0.28419	-2.09495	0.037651 0.938719
cg036815						
62	chr6	1.51E+08		-0.27104	-2.09609	0.037548 0.93861
cg268635						
63	chr1	17973341 CROCC		-0.27526	-2.09461	0.037682 0.938719
cg161783						
53	chr5	81630266		-0.38319	-2.09412	0.037725 0.938719
cg023001						
14	chr12	1.31E+08 FZD10-AS1;GPR133		-0.2136	-2.10099	0.03711 0.938002
cg049240						
99	chr1	2.29E+08		0.201481	2.095161	0.037632 0.938655

cg266405							
15	chr6	1.33E+08		0.293443	2.099261	0.037264	0.938449
cg028445							
45	chr6	10882043		0.264496	2.094401	0.0377	0.938719
cg263327							
97	chr7	1.18E+08		0.192274	2.097242	0.037445	0.938538
cg237404							
91	chr6	27228267		0.307742	2.093969	0.037739	0.938719
cg045105							
64	chr7	27034796		-0.30355	-2.09396	0.03774	0.938719
cg116891							
02	chr19	36229251 FXVD3		-0.27692	-2.09144	0.037968	0.938916
cg228967							
93	chr20	3712795		-0.17305	-2.09345	0.037786	0.938719
cg237390							
27	chr6	31850912		-0.14924	-2.09589	0.037566	0.938648
cg110380							
73	chr18	47088421		-0.31462	-2.09401	0.037736	0.938719
cg196582							
68	chr7	1E+08		-0.21619	-2.09587	0.037568	0.938648
cg079372							
71	chr4	13542719		0.261146	2.093075	0.03782	0.938719
cg250967							
40	chr1	20140828		-0.17574	-2.09408	0.037729	0.938719
cg223700							
06	chr6	1.54E+08		0.392452	2.093514	0.03778	0.938719
cg026949							
72	chr6	43249501		-0.25387	-2.09101	0.038007	0.938916
cg224979							
33	chr1	65719344		-0.25707	-2.09463	0.03768	0.938719
cg242619							
21	chr3	45821484		0.208052	2.095181	0.03763	0.938655

			ENSG000002260				
cg212635			26;ABCA4;ABCD				
66	chr1	95561502	3;ARHGAP29	0.306376	2.09769	0.037404	0.938449
cg060084							
80	chr11	1.13E+08		0.165194	2.092123	0.037906	0.938916
cg138462							
70	chr13	51417929		0.283185	2.093338	0.037796	0.938719
cg108517							
15	chr8	49984830		0.304264	2.096161	0.037542	0.93861
cg137308							
59	chr3	1.84E+08		0.249602	2.093225	0.037806	0.938719
cg008990							
86	chr4	77871294		-0.23106	-2.09364	0.037769	0.938719
cg197884							
17	chr20	30027638		0.181328	2.095072	0.03764	0.938655

cg220974							
25	chr11	1.26E+08		0.313456	2.09386	0.037749	0.938719
cg020864							
31	chr10	48391314		-0.19756	-2.09382	0.037753	0.938719
cg187218							
38	chr4	1.56E+08		-0.37279	-2.09307	0.03782	0.938719
cg210923							
73	chr13	36430038		-0.33377	-2.09433	0.037706	0.938719
cg229947		ENSG000002411					
20	chr11	74441988	70	0.237294	2.096024	0.037554	0.93861
cg143661							
10	chr9	1.34E+08		-0.29997	-2.09364	0.037769	0.938719
cg093591							
51	chr14	1.04E+08		-0.23311	-2.09336	0.037794	0.938719
cg072070							
53	chr12	1.33E+08		-0.27643	-2.09223	0.037896	0.938916
cg004380							
71	chr16	47005331		-0.30424	-2.0932	0.037809	0.938719
cg128795							
76	chr22	51049360		-0.22475	-2.09374	0.037759	0.938719
cg070996							
09	chr7	4761835		-0.23821	-2.09142	0.03797	0.938916
cg173381							
33	chr3	1.84E+08	MCF2L2	0.346767	2.096106	0.037547	0.93861
cg056847							
15	chr12	1.31E+08		0.444811	2.092638	0.03786	0.938719
cg005144							
13	chr19	1238130		-0.14863	-2.09446	0.037695	0.938719
cg263700							
66	chr19	7685601		0.256179	2.093382	0.037792	0.938719
cg206554							
34	chr11	67159118		-0.14942	-2.09804	0.037373	0.938449
cg248780							
51	chr1	3305115		-0.39403	-2.09481	0.037663	0.938719
cg044150							
45	chr11	10315754		0.199425	2.097576	0.037415	0.938449
cg204034							
09	chr10	1.27E+08		0.213912	2.094827	0.037662	0.938719
cg060201							
82	chr2	365232		-0.27813	-2.09304	0.037823	0.938719
cg124020							
38	chr10	53459369		0.177114	2.096526	0.037509	0.938538
cg053422							
50	chr12	58240843	MARS	-0.1939	-2.09316	0.037812	0.938719
cg237150							
30	chr1	96500991	EEF1A1P11	-0.286	-2.09872	0.037313	0.938449



cg017166			SRCIN1;PLXDC1; ARHGAP23;HNF 1B;LINC00672;PI P4K2B;MLLT6;NE UROD2;STARD3; PCGF2;ENSG000 00214546;CACN				
03	chr17	37029974	B1	0.344164	2.098908	0.037295	0.938449
cg271425			FAM149A;ANKR D37;C4orf47;CC DC110;LRP2BP;O				
30	chr4	1.87E+08	RAOV1P1	-0.3392	-2.09712	0.037455	0.938538
cg018129			ENSG0000002699				
19	chr12	1.24E+08	38	0.283008	2.090472	0.038056	0.938916
cg162462							
00	chr18	77222022		-0.41143	-2.09232	0.037888	0.938916
cg099698							
06	chr2	2.42E+08		0.236833	2.092547	0.037868	0.938737
cg097728							
31	chr19	12175160		0.219085	2.098175	0.037361	0.938449
cg109375							
90	chr2	2.07E+08	NDUFS1	0.272811	2.096348	0.037525	0.938538
cg176974							
83	chr7	98610013		-0.22727	-2.09125	0.037985	0.938916
cg224970							
95	chr6	28601375		0.513991	2.094724	0.037671	0.938719
cg072008							
71	chr17	1040975		0.399455	2.093945	0.037741	0.938719
cg092368							
19	chr11	64876055	FAU;DRAP1	-0.23127	-2.09834	0.037347	0.938449
cg023497							
39	chr19	50354824		-0.1604	-2.09393	0.037743	0.938719
cg111861							
22	chr4	1.74E+08		0.160543	2.091718	0.037943	0.938916
cg019630							
61	chr14	65879906		-0.206	-2.09295	0.037831	0.938719
cg147556							
99	chr2	2.4E+08		-0.26572	-2.09288	0.037837	0.938719
cg133969							
43	chr4	1.18E+08		-0.34178	-2.08976	0.03812	0.938916
cg075528							
03	chr8	24771326		0.378804	2.094971	0.037649	0.938719

cg145384						
41	chr4	89444921	-0.13933	-2.09263	0.03786	0.938719
cg053588						
48	chr7	44579475	-0.24571	-2.0933	0.0378	0.938719
cg133869						
03	chr6	1.67E+08	-0.30361	-2.09105	0.038003	0.938916
cg005474						
14	chr10	1.13E+08	0.267262	2.096582	0.037504	0.938538
cg146664						
73	chr12	27091463	-0.18125	-2.09642	0.037518	0.938538
cg134004						
43	chr10	94593558	-0.24231	-2.09268	0.037856	0.938719
cg127039						
04	chr3	1.26E+08	-0.25981	-2.09556	0.037596	0.938655
cg125048						
82	chr2	1.77E+08	0.234626	2.093845	0.03775	0.938719
cg114135						
70	chr1	1.09E+08	0.269408	2.092144	0.037904	0.938916
cg144771						
35	chr3	1.7E+08	0.205784	2.096103	0.037547	0.93861
cg118648						
82	chr18	43652232	-0.15154	-2.09381	0.037754	0.938719
cg217803						
93	chr17	46618919	0.26983	2.090862	0.038021	0.938916
cg202349						
10	chr13	1.05E+08	-0.32525	-2.09531	0.037618	0.938655
cg024857						
29	chr12	1.29E+08	-0.28219	-2.09078	0.038028	0.938916
cg237325						
60	chr3	45267976	-0.14702	-2.09256	0.037866	0.938737
cg005226						
79	chr11	1.3E+08	-0.12945	-2.0942	0.037718	0.938719
cg012697						
18	chr18	13869025	0.30089	2.093739	0.03776	0.938719
cg001192						
84	chr3	9904130	-0.29633	-2.09399	0.037738	0.938719
cg211753						
26	chr14	59074518	0.234479	2.092795	0.037845	0.938719
ch.7.7473						
31F	chr7	30520804	-0.31382	-2.09312	0.037816	0.938719
cg104440						
37	chr6	42531637 USP49	-0.17624	-2.09634	0.037526	0.938538
cg076083						
33	chr19	7813422	0.313705	2.091563	0.037957	0.938916
cg169092						
93	chr1	68171537 DEPDC1	-0.29165	-2.08993	0.038105	0.938916
cg073828						
42	chr6	18278113	-0.25085	-2.09187	0.037929	0.938916
cg112363						
11	chr7	1.05E+08	0.372067	2.093707	0.037763	0.938719

cg088156						
70	chr10	76995827	0.159279	2.091196	0.03799	0.938916
cg086071						
08	chr7	2109890 PSMG3	-0.26617	-2.09506	0.03764	0.938655
cg087505						
04	chr2	1.73E+08	0.295592	2.090933	0.038014	0.938916
cg161717						
71	chr3	34187750	-0.344	-2.09078	0.038028	0.938916
cg240020						
03	chr15	1.02E+08 SPATA41	0.277099	2.094688	0.037674	0.938719
cg031829						
58	chr2	2.23E+08	-0.32368	-2.09422	0.037716	0.938719
cg158381						
42	chr17	77184010	0.238678	2.092547	0.037868	0.938737
cg035784						
95	chr2	9283920	-0.2055	-2.09195	0.037922	0.938916
cg041215						
61	chr21	44007550	-0.2208	-2.09317	0.037812	0.938719
cg081800						
70	chr2	1.1E+08	0.325965	2.093852	0.03775	0.938719
cg172353						
74	chr17	27717757	-0.15578	-2.09334	0.037796	0.938719
cg064539						
97	chr4	1.87E+08	0.214313	2.092685	0.037855	0.938719
cg139176						
62	chr13	1.01E+08	0.227962	2.092078	0.03791	0.938916
cg081981						
76	chr3	37494602 ITGA9	0.291281	2.089541	0.038141	0.938916
cg007022						
31	chr6	1.44E+08	-0.33145	-2.09507	0.03764	0.938655
cg076833						
30	chr7	1.3E+08	-0.1511	-2.0958	0.037575	0.938655
cg015180						
16	chr19	39695237	-0.24047	-2.08978	0.038119	0.938916
cg180733						
90	chr5	1.4E+08	0.371929	2.090751	0.038031	0.938916
cg212645						
21	chr1	2.03E+08	-0.19201	-2.0918	0.037936	0.938916
cg241098						
94	chr1	36108212	0.260102	2.08995	0.038104	0.938916
cg098962						
98	chr10	76818435	0.259538	2.090563	0.038048	0.938916
cg140130						
99	chr1	2.48E+08	-0.36037	-2.09053	0.038051	0.938916
cg271565						
84	chr11	58207784	-0.31141	-2.09281	0.037844	0.938719
cg143365						
66	chr14	1.04E+08 TDRD9	0.382026	2.092754	0.037849	0.938719
cg055157						
13	chr2	10262434	-0.14364	-2.0886	0.038227	0.938916

cg005085							
75	chr12	90050967		0.27626	2.091117	0.037997	0.938916
cg107077							
33	chr11	1104492		0.217236	2.090675	0.038038	0.938916
cg021869							
66	chr7	93633904		0.23796	2.092105	0.037908	0.938916
cg039151							
67	chr11	1.06E+08		-0.1488	-2.09023	0.038078	0.938916
cg118006							
08	chr20	56724999	SLMO2	-0.25549	-2.09031	0.038071	0.938916
cg025625							
79	chr15	68889832		-0.20238	-2.09564	0.037589	0.938655
cg004995							
24	chr2	1.23E+08		-0.16916	-2.09118	0.037992	0.938916
cg150000							
71	chr3	1.35E+08		-0.20282	-2.08955	0.03814	0.938916
cg160843							
63	chr7	38331753		-0.30047	-2.09418	0.03772	0.938719
cg113247							
12	chr6	1.66E+08	PRR18;C6orf118	-0.28265	-2.09142	0.03797	0.938916
cg245767							
35	chr10	99473759		0.179871	2.093268	0.037803	0.938719
cg273527							
65	chr3	98620662		-0.1974	-2.09171	0.037944	0.938916
cg102982							
15	chr6	32730046		0.26515	2.092791	0.037846	0.938719
cg126010							
32	chr20	35402306		-0.11794	-2.09507	0.03764	0.938655
cg052890							
22	chr2	98377864	INPP4A;ZAP70	-0.37091	-2.09163	0.037951	0.938916
cg120254			ENSG000002647				
36	chr17	80034445	69	-0.19692	-2.09465	0.037678	0.938719
cg152038							
33	chr19	46406024		0.123746	2.090271	0.038074	0.938916
ch.6.7775							
5434R	chr6	77698715		-0.22094	-2.08893	0.038196	0.938916
cg088851			GAPDHP61;PLEK				
00	chr15	65322449	HO2;IGDCC4	0.483175	2.09127	0.037984	0.938916
cg143472							
19	chr6	1.71E+08	THBS2	-0.2037	-2.0895	0.038144	0.938916
cg182327							
72	chr22	50165512		0.34081	2.091135	0.037996	0.938916
cg097827							
46	chr12	1.33E+08		-0.21281	-2.09321	0.037808	0.938719
cg005762							
79	chr12	54427293		0.276031	2.090152	0.038085	0.938916

cg241373			ART3;FAM47E;S				
22	chr4	77484566	HROOM3;CDKL2	0.248763	2.091303	0.037981	0.938916
cg164641							
44	chr14	59113178		-0.32999	-2.09008	0.038092	0.938916
cg159368							
61	chr12	1.3E+08	FZD10-AS1	0.425608	2.090204	0.03808	0.938916
cg126713							
36	chr14	52119439	GNG2	-0.20706	-2.08986	0.038112	0.938916
cg174514							
57	chr3	39186729		0.197629	2.093562	0.037776	0.938719
cg034503							
70	chr3	36986589		0.187196	2.091783	0.037937	0.938916
cg231225							
70	chr15	45883463		-0.31873	-2.09435	0.037705	0.938719
cg273499							
09	chr4	746564		-0.26081	-2.09105	0.038003	0.938916
cg018692							
43	chr2	2.33E+08		-0.18912	-2.08889	0.0382	0.938916
cg058522							
76	chr5	1.41E+08		0.402877	2.091634	0.037951	0.938916
cg118663							
31	chr3	1.09E+08		0.227352	2.089349	0.038158	0.938916
cg057387							
43	chr8	1.19E+08		0.213197	2.091048	0.038004	0.938916
cg029317							
53	chr4	1.54E+08		-0.18278	-2.08996	0.038102	0.938916
cg097775							
25	chr17	74965708		-0.16364	-2.09156	0.037957	0.938916
cg027799							
48	chr10	70092852		-0.3061	-2.09314	0.037814	0.938719
cg055543							
53	chr6	1.26E+08		-0.13183	-2.08752	0.038325	0.938916
cg214554							
85	chr1	27930657		-0.14679	-2.09103	0.038006	0.938916
cg188038							
56	chr8	1495169		-0.28984	-2.09043	0.03806	0.938916
cg187874							
01	chr19	56879559		0.186128	2.090311	0.038071	0.938916
cg072477							
78	chr6	793612		0.250321	2.089919	0.038106	0.938916

cg250676			HLA-DPB1;HLA-DMA;LST1;GPSM3;HLA-DOA;LTB;HLA-DPA1;HLA-DRA;HCP5;HLA-				
86	chr6	32078453	DMB;TAPSAR1	-0.18173	-2.09121	0.037989	0.938916
cg125863			ENSG000002363				
86	chr11	77299805	04	0.475974	2.088574	0.038229	0.938916
cg263918							
32	chr2	45237929		-0.28795	-2.0917	0.037945	0.938916
cg163694							
00	chr17	58041258		0.319986	2.089803	0.038117	0.938916

cg018611			C16orf71;CDIP1;SMIM22;GLYR1;C16orf89;ENSG0000266994;GLI				
31	chr16	4845708	S2;SEC14L5;COR	0.272352	2.092923	0.037834	0.938719
cg094558			O7;SRL;ROGDI				
23	chr2	2.02E+08	AOX1;TRAK2	0.255852	2.09251	0.037871	0.938766
cg037469							
29	chr21	33684319	TIAM1	0.244256	2.090644	0.03804	0.938916
cg079059							
75	chr6	33288366		0.458973	2.090134	0.038087	0.938916
cg132191							
08	chr20	9495130		0.325362	2.091541	0.037959	0.938916

cg220753			IGLV1-44;IGLC3;GNAZ;I				
28	chr22	23412381	GLV3-21;IGLV3-25	-0.16976	-2.08922	0.03817	0.938916
cg069961							
65	chr15	51559577		-0.19367	-2.0894	0.038154	0.938916
cg236366							
82	chr15	76196679		0.232239	2.090979	0.03801	0.938916

cg056414							
39	chr1	1.68E+08		0.183158	2.089995	0.0381	0.938916
cg251437			CNNM2;CYP17A				
71	chr10	1.05E+08	1	0.343546	2.090842	0.038022	0.938916
cg085260							
74	chr16	51184562		-0.33855	-2.08833	0.038252	0.938916
cg157701							
25	chr3	8693781		-0.21041	-2.08946	0.038148	0.938916
cg064816							
39	chr22	41940642		-0.13614	-2.09183	0.037933	0.938916
cg256018							
30	chr1	19630524		0.184931	2.090627	0.038042	0.938916
cg229390							
05	chr7	55128553		0.235445	2.098277	0.037352	0.938449
cg182368							
63	chr22	38470483		0.195612	2.088755	0.038213	0.938916
cg225306							
68	chr1	5919081		-0.23884	-2.09273	0.037851	0.938719
cg002929							
78	chr5	1.78E+08		-0.15577	-2.08795	0.038286	0.938916
cg040751							
84	chr2	1.22E+08		-0.24876	-2.0888	0.038209	0.938916
cg054267							
02	chr15	40574544		-0.15872	-2.08896	0.038194	0.938916
cg132891							
18	chr15	75255681		0.242475	2.089573	0.038138	0.938916
cg048454							
49	chr22	18560810		-0.14765	-2.09323	0.037806	0.938719
cg225839							
67	chr20	35580439		0.24487	2.090705	0.038035	0.938916
cg050315							
19	chr17	47834172		-0.22196	-2.09121	0.037989	0.938916
cg049636							
97	chr16	3570555		-0.43373	-2.09123	0.037987	0.938916
cg270772							
50	chr19	47852528		0.22988	2.089452	0.038149	0.938916
cg127526							
27	chr10	94827528		0.32098	2.089342	0.038159	0.938916
cg274653							
84	chr16	1435426		-0.29489	-2.0881	0.038272	0.938916
cg188587							
17	chr14	90863402		0.144156	2.093114	0.037816	0.938719
cg091009							
88	chr11	66725961	RBM14	-0.2088	-2.09026	0.038076	0.938916
cg272480							
29	chr17	71039644		0.266443	2.090143	0.038086	0.938916
cg096808							
27	chr4	1.47E+08		0.240384	2.091776	0.037938	0.938916
cg041294							
30	chr3	49236376		0.241183	2.08814	0.038269	0.938916

cg156018							
07	chr10	45495677		-0.31018	-2.09162	0.037952	0.938916
cg105896							
02	chr1	30853096		-0.13636	-2.08922	0.03817	0.938916
cg039603			TNFRSF19;LINC0				
13	chr13	24152357	0327	0.313562	2.089611	0.038134	0.938916
cg081720							
65	chr8	70981796		0.295455	2.090305	0.038071	0.938916
cg250580							
23	chr7	1.55E+08		0.256154	2.091743	0.037941	0.938916
cg051284							
14	chr1	1.98E+08		0.324882	2.089422	0.038152	0.938916
cg176161			MAFG- AS1;WDR45B;PC YT2;SECTM1;BAI				
92	chr17	80009015	AP2;C17orf62	0.246674	2.089692	0.038127	0.938916
cg081297							
61	chr6	35743705	STK38	-0.19539	-2.09164	0.03795	0.938916
cg063671							
17	chr17	26903928		-0.23214	-2.08905	0.038185	0.938916
cg140819							
50	chr15	69615415		-0.2083	-2.08877	0.038211	0.938916
cg022037							
60	chr11	71294819		-0.23379	-2.09061	0.038044	0.938916
cg112473							
78	chr22	39784982	ADSL	0.551087	2.087403	0.038336	0.938965
cg112414							
98	chr12	14134816		0.28274	2.088909	0.038198	0.938916
cg039971							
67	chr2	2829723		0.239822	2.092672	0.037856	0.938719
cg081088							
68	chr14	90920921	TTC7B;TDP1	-0.14106	-2.09036	0.038066	0.938916
cg123299							
33	chr5	59968073		0.238439	2.089498	0.038145	0.938916
cg108302							
79	chr11	27971709		0.22141	2.087644	0.038314	0.938916
cg114104							
73	chr6	1.68E+08	MLLT4	-0.25202	-2.09658	0.037504	0.938538
cg114142							
02	chr17	26501467		0.259659	2.087788	0.038301	0.938916
cg092696							
20	chr19	30335920		0.280184	2.086656	0.038404	0.939456
cg227743							
79	chr19	2269889		-0.11809	-2.09206	0.037912	0.938916
cg158857							
86	chr10	54054127		-0.38667	-2.0889	0.038199	0.938916



cg080383							
53	chr3	68982064		0.33179	2.088015	0.03828	0.938916
cg029278							
36	chr10	1.05E+08		0.284046	2.086537	0.038415	0.939538
			PTPRN2;ENSG00				
cg269062			000231980;LINC				
58	chr7	1.59E+08	00689;WDR60	-0.1859	-2.09145	0.037968	0.938916
cg175999							
58	chr11	993718		-0.33587	-2.08834	0.03825	0.938916
cg163835							
73	chr1	1017019		0.187175	2.088441	0.038241	0.938916
cg154431							
28	chr17	78165092		-0.19843	-2.08872	0.038216	0.938916
			ENSG000002723				
cg144620			20;SERPINB9;BP				
67	chr6	3158207	HL	0.187238	2.09153	0.03796	0.938916
cg044898							
51	chr1	25172226		-0.24154	-2.09105	0.038003	0.938916
cg180378							
93	chr8	12952665		-0.2278	-2.0903	0.038072	0.938916
cg096967							
06	chr7	47479511		0.240554	2.090307	0.038071	0.938916
cg215043							
45	chr13	36505140		-0.33862	-2.09131	0.03798	0.938916
cg044676							
18	chr6	1.34E+08	TCF21;SLC2A12	0.305457	2.089085	0.038182	0.938916
cg168104							
49	chr7	98973241		-0.17505	-2.0886	0.038226	0.938916
cg114284							
82	chr22	45405333		0.135628	2.088344	0.03825	0.938916
cg091674							
13	chr5	90172358		-0.27741	-2.08886	0.038203	0.938916
cg140742							
01	chr6	31698037		-0.2018	-2.08732	0.038343	0.939091
cg089003							
63	chr7	637454		-0.21984	-2.09236	0.037884	0.938916
cg012391							
54	chr20	30776159	HM13;TTLL9	0.233558	2.087467	0.03833	0.938916
cg081781							
68	chr22	35934864	RASD2	-0.21106	-2.08952	0.038143	0.938916
cg171744							
00	chr8	97712676		0.224136	2.090987	0.038009	0.938916
cg055274							
59	chr1	92012148		0.549944	2.088289	0.038255	0.938916
cg256503							
90	chr19	34895271		0.171691	2.088255	0.038258	0.938916

cg236450							
52	chr13	61490822		0.328508	2.086379	0.03843	0.939538
cg143529							
83	chr18	6414976		-0.43644	-2.09	0.038099	0.938916
cg151808							
67	chr20	591076 SDCBP2		0.299901	2.090513	0.038052	0.938916
ch.1.8221							
36R	chr1	24746734		-0.31308	-2.08745	0.038332	0.938916
cg111221							
48	chr13	45150705 LINC00284		-0.2303	-2.08818	0.038265	0.938916
cg178408							
43	chr20	30135158		0.169851	2.086995	0.038373	0.939306
cg205866							
07	chr14	50235780		0.176342	2.091261	0.037984	0.938916
cg134032							
32	chr10	98802990		0.355171	2.087509	0.038326	0.938916
cg063334							
35	chr8	22102724		-0.13213	-2.08842	0.038243	0.938916
cg068884							
15	chr1	1.5E+08		0.146422	2.088947	0.038195	0.938916
cg073883							
47	chr12	1.33E+08		0.347745	2.08844	0.038241	0.938916
cg025988							
72	chr15	96952150		0.290756	2.085832	0.03848	0.939761
cg244301							
47	chr1	1.16E+08 DENND2C		-0.24237	-2.09173	0.037942	0.938916
cg147078							
98	chr6	41888549		-0.19604	-2.09054	0.03805	0.938916
cg019584							
81	chr8	1.45E+08 TSTA3;SLC52A2		0.225039	2.088103	0.038272	0.938916
cg023676							
96	chr10	1.03E+08		0.247171	2.086533	0.038416	0.939538
cg061719							
08	chr19	57630340 ZNF135		0.358869	2.089289	0.038164	0.938916
cg261867							
27	chr18	70534534		0.333945	2.088225	0.038261	0.938916
cg196014							
47	chr10	1.35E+08		0.215842	2.088895	0.0382	0.938916
cg092172							
19	chr21	46021244 LINC00205		-0.18946	-2.08798	0.038283	0.938916
cg239909							
32	chr17	38521365		-0.19571	-2.08834	0.03825	0.938916
cg016272							
01	chr6	30551221		-0.23225	-2.08616	0.03845	0.93955

			ADSSL1;C14orf7				
cg239764			9;IGHV3-				
87	chr14	1.06E+08	21;IGHV3-11	0.258039	2.086236	0.038443	0.939538

cg082221							
85	chr21	46494823	-0.16891	-2.08687	0.038385	0.939306	
cg017988							
99	chr12	1.26E+08	-0.25458	-2.0883	0.038254	0.938916	
cg243895							
99	chr21	47531945	-0.26515	-2.09141	0.037971	0.938916	
cg153318							
34	chr10	45360969	-0.27485	-2.08995	0.038104	0.938916	
cg246958							
49	chr19	58552671	-0.23525	-2.08586	0.038477	0.939761	
cg195480							
04	chr17	27046597	-0.15784	-2.08928	0.038164	0.938916	
cg246358							
66	chr12	69979163	-0.20014	-2.08849	0.038236	0.938916	
cg261557							
19	chr21	47918693	-0.29734	-2.08753	0.038324	0.938916	
cg086235							
56	chr1	2.13E+08	0.149263	2.088072	0.038275	0.938916	
cg241326							
94	chr19	7984945	0.24706	2.087489	0.038328	0.938916	
cg087163							
72	chr1	50489954	0.312205	2.092955	0.037831	0.938719	
cg264414							
86	chr22	50317300	-0.35713	-2.08683	0.038389	0.939306	
cg149001							
54	chr17	4074385 P2RX5	0.202741	2.090706	0.038035	0.938916	
cg074613							
70	chr5	49397	-0.20731	-2.08644	0.038424	0.939538	
cg196345							
27	chr17	30814814	-0.3185	-2.0876	0.038318	0.938916	
cg241062							
57	chr19	3572869	-0.17692	-2.0885	0.038236	0.938916	
cg122534							
69	chr22	37420454	0.276747	2.088139	0.038269	0.938916	
cg129687							
01	chr12	57881178	0.257596	2.09	0.038099	0.938916	
cg032905							
22	chr15	80634248 TMED3	-0.25584	-2.08867	0.038221	0.938916	
cg181985							
50	chr6	35889893	0.231623	2.092739	0.03785	0.938719	
cg094737							
59	chr16	9057885	0.152814	2.087746	0.038305	0.938916	
cg043382							
50	chr19	46543685	-0.19924	-2.08748	0.038329	0.938916	
cg194369							
29	chr3	1.5E+08	0.29674	2.086945	0.038378	0.939306	
cg236573							
93	chr20	42790697 OSER1	0.222372	2.086275	0.038439	0.939538	
cg019434							
47	chr1	1.81E+08	-0.22385	-2.08718	0.038357	0.93923	

cg000824							
97	chr1	32802133		0.249327	2.084836	0.038572	0.940085
cg190629							
66	chr18	32924746		0.224983	2.086794	0.038392	0.939306
cg121981							
57	chr3	1.34E+08		-0.22819	-2.08617	0.038449	0.93955
cg268469							
59	chr6	1.44E+08		0.235842	2.086889	0.038383	0.939306
cg259380							
42	chr16	87637283		0.295247	2.087801	0.0383	0.938916
cg083474							
71	chr19	36297670		0.319417	2.087575	0.03832	0.938916
cg042583							
29	chr7	1.59E+08		0.183936	2.087205	0.038354	0.93923
cg239944							
43	chr6	32049924		0.193002	2.088663	0.038221	0.938916
cg206438							
97	chr8	1.43E+08		0.309188	2.090034	0.038096	0.938916
cg173933							
21	chr12	1.31E+08		-0.21295	-2.08581	0.038482	0.939761
cg185155							
91	chr11	1.11E+08		0.296142	2.087777	0.038302	0.938916
cg156709							
24	chr11	73669256		0.428265	2.085895	0.038474	0.939761
cg085069							
31	chr2	2.23E+08 KCNE4		0.193915	2.08862	0.038225	0.938916
cg243896							
32	chr10	38146246 SEPT7P9		-0.20107	-2.08932	0.038161	0.938916
cg014135							
22	chr16	86519105		-0.27224	-2.08762	0.038316	0.938916
cg172218							
56	chr5	1.8E+08 BTNL8		0.413162	2.098491	0.037333	0.938449
cg074478							
45	chr17	81032781		-0.3841	-2.08751	0.038326	0.938916
cg093026							
71	chr2	16847218		0.203522	2.08549	0.038512	0.939865
cg225100		ENSG000002333					
74	chr7	71803123 69		0.254662	2.084787	0.038576	0.940085
cg078670							
52	chr10	1.05E+08		-0.17356	-2.09026	0.038076	0.938916
cg114147							
42	chr1	1288586		-0.18577	-2.08727	0.038348	0.939146
cg077214							
58	chr19	55685292		-0.29424	-2.08461	0.038593	0.940085
cg168807							
83	chr19	13227289		-0.15283	-2.08782	0.038298	0.938916
cg046635							
64	chr7	1.34E+08 AKR1B10		-0.30039	-2.09033	0.038069	0.938916
cg049567							
01	chr11	1.32E+08		-0.39046	-2.08527	0.038532	0.939865

cg167822							
36	chr4	1321463		0.278532	2.084796	0.038575	0.940085
cg117854							
71	chr12	53574366		-0.23217	-2.08521	0.038537	0.939865
cg123253							
49	chr2	73143076	ALMS1-IT1	-0.1627	-2.09177	0.037938	0.938916
cg095243							
34	chr6	15496979		-0.33159	-2.08866	0.038221	0.938916
cg167212							
02	chr7	21467390		-0.33151	-2.08573	0.038489	0.939781
cg188091							
22	chr2	1.92E+08		0.177577	2.09125	0.037985	0.938916
cg101339							
53	chr8	20031081		-0.22112	-2.08678	0.038393	0.939306
cg128635							
65	chr8	25902558		-0.28001	-2.08758	0.03832	0.938916
cg204267							
68	chr1	1296671		-0.25953	-2.08685	0.038387	0.939306
cg187829							
91	chr5	1.4E+08	ARAP3	0.214881	2.086282	0.038439	0.939538
cg166965							
36	chr3	59035729		0.247085	2.088302	0.038254	0.938916
cg242251							
96	chr20	18118434		-0.16657	-2.08367	0.038679	0.940085
cg133962							
01	chr5	1.71E+08		0.229407	2.087754	0.038304	0.938916
cg178229							
78	chr15	72073485		0.243939	2.087655	0.038313	0.938916
cg018593			FAM83H;MROH				
21	chr8	1.45E+08	6;FAM83H-AS1	-0.67771	-2.08381	0.038666	0.940085
cg145310							
93	chr14	1.03E+08		1.20272	2.084696	0.038585	0.940085
cg003686							
04	chr10	1.31E+08		-0.24377	-2.0881	0.038272	0.938916
cg031951							
64	chr3	1.29E+08		-0.2927	-2.08475	0.03858	0.940085
cg036102							
28	chr10	21799395		0.334433	2.085337	0.038526	0.939865
cg081735			ENSG000002681				
15	chr19	21657529	19;ZNF429;ENSG				
			00000268081;Z				
			NF493;ENSG000				
			00268416;ZNF2				
			08;ZNF626	0.478385	2.083596	0.038686	0.940085

cg044006							
53	chr6	7986462		0.282881	2.087687	0.03831	0.938916
cg116715							
98	chr4	1.12E+08		0.222333	2.086093	0.038456	0.939644
			CEP41;SMO;UBE				
			2H;NRF1;SMKR1;				
			KLHDC10;IRF5;FL				
cg084045							
57	chr7	1.29E+08	NC;TPI1P2	0.440883	2.088809	0.038208	0.938916
cg115733							
90	chr10	1.33E+08		0.306997	2.090117	0.038088	0.938916
cg178267							
63	chr4	4405058		0.278787	2.08425	0.038626	0.940085
cg132215							
88	chr1	1.18E+08		0.256639	2.086051	0.03846	0.939676
cg007192							
11	chr6	28984453		0.24057	2.086239	0.038443	0.939538
cg035134							
64	chr1	58898672	OMA1	0.383321	2.085864	0.038477	0.939761
cg242207							
66	chr17	40976513		-0.15262	-2.08774	0.038305	0.938916
cg021933							
55	chr10	851439		-0.21292	-2.08675	0.038396	0.939306
cg010015							
33	chr10	44184868		0.181639	2.089168	0.038175	0.938916
cg268986							
05	chr15	93277307		0.259722	2.08367	0.038679	0.940085
cg013603							
33	chr15	65826759	IGDCC4;PIF1	0.364238	2.088744	0.038214	0.938916
cg003265							
59	chr7	4822006		-0.18973	-2.08896	0.038194	0.938916
cg083868							
32	chr5	1.72E+08		0.220217	2.091395	0.037972	0.938916
cg273057							
35	chr1	2.48E+08		0.388288	2.08463	0.038591	0.940085
cg024448							
10	chr17	27055702		-0.16417	-2.08676	0.038395	0.939306
cg075615							
52	chr3	45884065	CCR1	0.323207	2.085308	0.038528	0.939865
cg267349							
50	chr15	86313046		0.239718	2.086869	0.038385	0.939306
cg182240							
77	chr11	1.22E+08		0.257046	2.085449	0.038515	0.939865
cg034261							
94	chr16	27500918		0.26702	2.086357	0.038432	0.939538
cg142606							
30	chr1	1.55E+08		0.24167	2.085218	0.038537	0.939865

cg088067							
79	chr16	86965605	FOXF1;FENDRR	0.491957	2.086387	0.038429	0.939538
cg238715							
27	chr20	2854169	DDR GK1	0.166409	2.083988	0.03865	0.940085
cg045384							
73	chr16	981395		-0.28723	-2.08548	0.038512	0.939865
cg255465							
88	chr4	1.43E+08		-0.20673	-2.08569	0.038493	0.939781
cg260203							
65	chr19	44932260		-0.24141	-2.08396	0.038652	0.940085
cg160093							
81	chr5	1.73E+08		-0.2262	-2.08394	0.038655	0.940085
cg104268							
14	chr10	7255535		0.320182	2.082823	0.038757	0.940655
cg226649							
86	chr11	82905101		-0.14582	-2.08568	0.038494	0.939781
cg174937							
65	chr3	15374172		0.117766	2.088267	0.038257	0.938916
cg065979							
40	chr5	79279520		-0.34535	-2.08619	0.038447	0.93955
cg141393							
75	chr10	53071348		0.240076	2.086031	0.038462	0.939676
cg201165							
74	chr20	44718168		0.219981	2.087748	0.038305	0.938916
cg069514							
50	chr11	1.26E+08	PKNOX2	-0.16813	-2.08561	0.038501	0.939865
cg130415							
31	chr13	26796092		-0.13501	-2.0891	0.038181	0.938916
cg180571							
28	chr17	78326557		-0.28115	-2.08411	0.038638	0.940085
cg055708							
06	chr8	2060933		0.338576	2.084378	0.038614	0.940085

			PEG3;ZIK1;ZNF6				
			71;ZNF772;ZNF5				
			49;ZNF134;ZNF1				
cg010461							
04	chr19	58095588	54	0.284254	2.08463	0.038591	0.940085
cg226980							
28	chr5	400494		-0.20944	-2.08454	0.038599	0.940085
cg068460							
10	chr16	56651367		0.509774	2.083514	0.038693	0.940085
cg017555							
51	chr9	99615764		-0.28626	-2.08716	0.038358	0.93923
cg095721							
75	chr19	49122302		-0.13753	-2.08427	0.038624	0.940085
cg060313							
01	chr16	81818852		-0.25196	-2.08401	0.038648	0.940085
cg115575							
46	chr15	26047653		-0.24929	-2.08835	0.038249	0.938916

cg101224							
79	chr6	1.26E+08		0.346541	2.085801	0.038483	0.939761
cg120820							
15	chr2	1.48E+08		-0.34501	-2.08829	0.038255	0.938916
cg218011							
27	chr12	65672174		0.337977	2.088668	0.03822	0.938916
cg273828							
61	chr17	26926115		0.142351	2.084381	0.038613	0.940085
cg128680							
67	chr12	1.29E+08		0.259951	2.083561	0.038689	0.940085
cg042440							
56	chr16	28835698 SNX29P2		0.16899	2.085424	0.038518	0.939865
cg037111							
29	chr2	71124762		0.233078	2.083675	0.038679	0.940085
cg041530							
92	chr2	54342806		0.156959	2.088692	0.038218	0.938916
cg069699							
79	chr1	3557200 TP73-AS1		-0.22676	-2.08517	0.038541	0.939896
cg106659							
60	chr2	1.49E+08		-0.17209	-2.08637	0.038431	0.939538
cg126596							
06	chr6	33215807		0.247378	2.08489	0.038567	0.940085
cg196909							
84	chr6	29521631 GABBR1		0.444547	2.083445	0.0387	0.940085
cg274451							
06	chr1	38019966		-0.17295	-2.08586	0.038478	0.939761
cg069380							
63	chr1	2.08E+08		-0.19085	-2.08298	0.038743	0.940473
cg120303							
70	chr8	80699577		0.263951	2.087116	0.038362	0.939233
cg111004							
50	chr6	513211		0.325711	2.085225	0.038536	0.939865
cg156790							
		POLR1C;GLTSCR					
95	chr6	42789053 1L		0.379916	2.084564	0.038597	0.940085
cg233424							
55	chr12	54575517		-0.20367	-2.08305	0.038736	0.940467
cg059971							
31	chr22	39077908		0.178843	2.082926	0.038748	0.94052
cg275709							
51	chr17	79801578		0.228444	2.084997	0.038557	0.940085
cg006082							
99	chr7	1.56E+08		0.25773	2.08867	0.03822	0.938916
cg088871							
38	chr8	29661687		0.289527	2.083438	0.0387	0.940085
cg183523							
06	chr12	51664642		0.1921	2.08433	0.038618	0.940085
cg142543							
96	chr19	5294252		-0.20561	-2.08414	0.038635	0.940085



cg084364						
19	chr2	2.34E+08 EFHD1	0.35457	2.082607	0.038777	0.940725
cg219704						
38	chr6	1.68E+08 SFT2D1	-0.23105	-2.08344	0.038701	0.940085
cg098459						
41	chr1	18621725	0.288912	2.084712	0.038583	0.940085
cg174433						
59	chr1	91300231	0.240004	2.084157	0.038634	0.940085
cg268187						
35	chr7	19156621	0.389814	2.082907	0.038749	0.94052
cg270183						
80	chr14	93389876	-0.21607	-2.08768	0.038311	0.938916
cg129180						
09	chr4	1.09E+08	-0.18502	-2.08522	0.038537	0.939865
cg221802						
01	chr6	71666858	-0.21813	-2.08643	0.038425	0.939538
cg140094						
73	chr6	15502099	0.290057	2.083636	0.038682	0.940085
cg044197						
40	chr6	30181529	-0.27662	-2.08545	0.038515	0.939865
cg041328						
09	chr7	1.59E+08	-0.24227	-2.09319	0.037809	0.938719
cg087966						
40	chr8	1.19E+08	-0.14148	-2.08499	0.038557	0.940085
cg083651						
12	chr11	1492630	-0.2316	-2.08902	0.038188	0.938916
cg222489						
17	chr13	30056454	-0.27674	-2.08332	0.038711	0.940233
cg200951						
24	chr10	1.03E+08	-0.16992	-2.08498	0.038558	0.940085
cg223777						
41	chr15	74011071	0.201977	2.082503	0.038787	0.940725
cg167675						
06	chr7	1.42E+08 MGAM	0.191764	2.083151	0.038727	0.940402
cg102447						
06	chr4	3874057	0.197214	2.085837	0.03848	0.939761
cg018394						
64	chr18	49868477	0.348124	2.086881	0.038384	0.939306
cg121453						
49	chr11	63712934 RARRES3	0.185052	2.087119	0.038362	0.939233
cg202102						
63	chr7	42952391	-0.31572	-2.08301	0.03874	0.940473
cg099767						
24	chr15	41186526	0.183857	2.083873	0.03866	0.940085
cg084613						
52	chr8	58910391	-0.26972	-2.08457	0.038596	0.940085
cg136879						
96	chr2	5813483	0.262937	2.082629	0.038775	0.940725
cg053807						
93	chr13	73301995	-0.37899	-2.08391	0.038657	0.940085

cg134431							
22	chr2	70142154		-0.18185	-2.08427	0.038624	0.940085
cg232015							
13	chr6	28754198		0.246188	2.083648	0.038681	0.940085
cg044637							
19	chr7	1.59E+08		-0.29419	-2.08257	0.038781	0.940725
cg242496							
95	chr6	37896180	RNF8;PI16	0.294704	2.084417	0.03861	0.940085
cg044910							
89	chr16	84151300		0.291316	2.084649	0.038589	0.940085
cg192412							
79	chr2	1.76E+08		0.287463	2.084258	0.038625	0.940085
cg222095			NPLOC4;SECTM1				
73	chr17	79652244	;SIRT7;RFNG	-0.41235	-2.08373	0.038673	0.940085
cg103281							
57	chr14	21769240		0.304813	2.081161	0.038911	0.940725
cg071607							
46	chr20	43726765		0.385372	2.081946	0.038838	0.940725
cg148795							
69	chr12	1.06E+08		-0.22096	-2.08234	0.038802	0.940725
cg028951							
26	chr6	1.59E+08		0.262957	2.086601	0.03841	0.939527
cg033773							
96	chr3	1.14E+08		-0.31989	-2.08391	0.038657	0.940085
cg122118			ENSG000002325				
67	chr1	1.08E+08	51	0.349264	2.084506	0.038602	0.940085
cg004749							
43	chr17	78877076		0.242528	2.085474	0.038513	0.939865
cg234009							
04	chr2	70418872		0.305307	2.082333	0.038803	0.940725
cg095533							
58	chr11	790184	TMEM80	-0.22389	-2.08175	0.038856	0.940725
cg015150			ENSG000002574				
74	chr12	57585135	99	0.280222	2.084933	0.038563	0.940085
cg127004							
39	chr15	70342365		-0.23924	-2.08323	0.03872	0.940338
cg197110							
07	chr1	57044824		0.139466	2.088153	0.038267	0.938916
cg149812							
32	chr3	1.29E+08		-0.17116	-2.08368	0.038679	0.940085
cg004453							
05	chr2	20402197		-0.26011	-2.07956	0.039059	0.940725
cg015344							
16	chr19	51308546	NKG7	0.346721	2.081057	0.038921	0.940725
cg247894							
34	chr4	3526865		0.189603	2.082747	0.038764	0.940722
cg222025							
58	chr7	1.02E+08		0.260369	2.081065	0.03892	0.940725

cg124452							
68	chr6	31707680		0.181126	2.080775	0.038947	0.940725
cg005009							
89	chr1	1.56E+08		0.246558	2.086285	0.038439	0.939538
cg214571							
06	chr4	1.26E+08		0.27251	2.082091	0.038825	0.940725
cg137877							
82	chr2	2.39E+08		-0.20025	-2.08319	0.038724	0.940378
cg271785							
67	chr6	33874232		0.29386	2.080982	0.038928	0.940725
cg080746							
21	chr16	67427606		-0.24485	-2.08361	0.038684	0.940085
cg165631							
80	chr7	1570208		0.191058	2.082547	0.038783	0.940725
cg019107							
41	chr6	36843333		0.233425	2.082991	0.038742	0.940473
cg065434							
53	chr10	25756817		-0.25027	-2.08372	0.038674	0.940085
cg133689							
23	chr6	1379065		0.292962	2.08521	0.038537	0.939865
cg122408							
24	chr18	32870176		0.210668	2.083879	0.03866	0.940085
cg037191			ACP5;DOCK6;KA				
55	chr19	11689880	NK2;ZNF44	0.415073	2.081309	0.038897	0.940725
cg025913							
56	chr2	20442088		0.382968	2.081323	0.038896	0.940725
cg169989			FAM81B;ENSGO				
50	chr5	95252658	0000225165;GL RX	0.544587	2.084231	0.038627	0.940085
cg005021							
90	chr1	1.57E+08		0.271666	2.083954	0.038653	0.940085
cg193694							
38	chr19	33623230		0.283408	2.089277	0.038165	0.938916
cg013509							
93	chr3	19850542		-0.31226	-2.08573	0.03849	0.939781
cg066969							
11	chr12	1.33E+08		-0.25352	-2.08086	0.038939	0.940725
cg224630							
80	chr1	1.52E+08	RNY4P25	0.262844	2.082031	0.03883	0.940725
cg099202							
68	chr11	44105489		0.250167	2.083098	0.038732	0.940456
cg001338							
11	chr2	1.5E+08		0.306802	2.082288	0.038807	0.940725
cg171705							
68	chr7	1.56E+08		0.188751	2.081688	0.038862	0.940725
cg016166							
82	chr11	15095017		0.281717	2.086363	0.038431	0.939538

cg200664							
96	chr15	43213993		0.336571	2.083909	0.038657	0.940085
cg195606							
56	chr19	14444267		0.371535	2.08161	0.038869	0.940725
cg103810							
71	chr15	70391035		-0.26317	-2.08705	0.038368	0.939275
cg007083							
80	chr11	75378502		0.220152	2.083475	0.038697	0.940085
cg264321							
95	chr1	2.28E+08		0.225343	2.080658	0.038958	0.940725
cg070586							
39	chr14	24711602		-0.19198	-2.08111	0.038916	0.940725
cg068991							
86	chr7	1.48E+08		0.19861	2.083414	0.038703	0.940085
cg160614							
98	chr18	55095886		0.29402	2.08358	0.038687	0.940085
cg241444							
40	chr1	1.2E+08		0.251236	2.079924	0.039026	0.940725
cg027118							
01	chr19	37997798		0.203835	2.081127	0.038914	0.940725
cg006723			DDX52;FBXL20;S				
33	chr17	36728456	OCS7	-0.45782	-2.07989	0.039029	0.940725
cg019675							
11	chr4	659281		-0.21255	-2.0821	0.038824	0.940725
cg198734							
20	chr14	91691179		0.201686	2.081251	0.038903	0.940725
cg220761							
60	chr1	2.36E+08	GPR137B	-0.35278	-2.08017	0.039003	0.940725
cg154406			HAAO;PLEKHH2; ENSG000002305 87;DYNC2LI1;EN				
61	chr2	43395871	SG00000231826	-0.26104	-2.08504	0.038553	0.940085
cg168717							
63	chr8	11537909		-0.205	-2.08138	0.03889	0.940725
cg135786							
47	chr7	1.39E+08		-0.18839	-2.0852	0.038538	0.939865
cg138813							
27	chr3	12883055		0.246212	2.082255	0.03881	0.940725
cg048402							
03	chr5	1.56E+08	CLINT1	-0.25008	-2.08137	0.038892	0.940725
cg069971							
84	chr8	93661575		-0.31472	-2.08214	0.03882	0.940725
cg144747							
56	chr9	77567495		0.160153	2.081916	0.038841	0.940725

cg207566							
00	chr21	46435806		-0.22909	-2.08205	0.038829	0.940725
cg100661							
51	chr19	57874988		0.212495	2.087049	0.038369	0.939275
cg162812							
48	chr11	64014554		-0.20254	-2.08251	0.038786	0.940725
cg070701							
82	chr4	868311		-0.22151	-2.08204	0.03883	0.940725
cg031776							
31	chr11	18415927		-0.21546	-2.08184	0.038848	0.940725
cg009893							
15	chr7	21982818		-0.33476	-2.08065	0.038959	0.940725
cg062954							
95	chr10	1.3E+08		-0.32915	-2.08184	0.038848	0.940725
cg261069							
48	chr3	27766284		0.283826	2.082746	0.038764	0.940722

			SYTL3;RSPH3;C6				
			orf99;DYNLT1;EZ				
			R;ENSG0000023				
cg129890			6537;ZDHC14;F				
41	chr6	1.59E+08	NDC1	0.330006	2.089319	0.038161	0.938916
cg265963							
50	chr16	27931936	IL21R	-0.30097	-2.07985	0.039033	0.940725
cg094562							
89	chr2	43038399	HAAO	0.304744	2.081815	0.03885	0.940725
ch.2.1480							
72779R	chr2	1.48E+08		-0.35426	-2.08447	0.038605	0.940085
cg004062							
11	chr10	1.21E+08	GRK5;BAG3	-0.45556	-2.07902	0.03911	0.940725
cg102704							
30	chr6	34024362	HLA-DPB1;HLA-DPA1	-0.29986	-2.08064	0.038959	0.940725
cg060911							
19	chr10	71993466		-0.15839	-2.08464	0.03859	0.940085
cg003209							
80	chr10	1.35E+08		-0.20196	-2.08177	0.038855	0.940725
cg022342							
81	chr10	25790938		0.272301	2.078934	0.039118	0.940725
cg073486							
41	chr13	25746495		0.303124	2.081017	0.038924	0.940725
cg089344							
27	chr3	38347441		0.233221	2.082537	0.038784	0.940725

			PILRA;AZGP1;AP				
			1S1;AGFG2;COP				
cg140881							
61	chr7	1E+08	S6	-0.24665	-2.08127	0.038901	0.940725

cg01587662	chr19	29583604		-0.32235	-2.08026	0.038994	0.940725
cg05781049	chr10	44374390		0.321484	2.080301	0.038991	0.940725
cg13891659	chr6	1.7E+08		-0.20111	-2.08188	0.038845	0.940725
cg00320539	chr2	1983439		-0.22038	-2.082	0.038834	0.940725
cg10196720	chr4	1.34E+08		0.250924	2.080627	0.038961	0.940725
cg08162850	chr19	48352604		0.284408	2.085673	0.038495	0.939781
cg04202853	chr17	61777461		0.121895	2.080792	0.038945	0.940725
cg17350689	chr2	10372376		-0.23126	-2.08084	0.03894	0.940725
cg02888046	chr15	74709717	FAM219B	-0.2514	-2.08457	0.038596	0.940085
cg07682645	chr19	7197248		0.192544	2.080024	0.039017	0.940725
cg05241194	chr2	86850043		-0.22649	-2.08392	0.038656	0.940085
cg26938695	chr7	1.13E+08		-0.29499	-2.0792	0.039093	0.940725
cg18128536	chr17	47092178	ENSG00000262973	0.437742	2.079275	0.039086	0.940725
cg24883899	chr19	1461210		-0.23951	-2.07922	0.039092	0.940725
cg16773127	chr15	35280714		-0.17043	-2.08349	0.038696	0.940085
cg00712779	chr2	2.02E+08		0.295858	2.079818	0.039036	0.940725
cg14783987	chr12	6421437	IFFO1;CLSTN3;SCNN1A;LEPREL2;VWF;C1R;ANO2;C1S;C1RL;PLEKHG6;CD9;NTF3;ENSG00000257084;SPSB2;RBP5	-0.32839	-2.08104	0.038922	0.940725
cg08182565	chr11	66607594		-0.18096	-2.08071	0.038953	0.940725
cg16435561	chr2	1.02E+08		-0.55075	-2.07836	0.039172	0.940725

cg073459							
99	chr11	16632636		0.300229	2.080211	0.038999	0.940725
cg082334							
67	chr1	1.84E+08		-0.20713	-2.08122	0.038906	0.940725
cg116868							
19	chr5	2137080		-0.25433	-2.07986	0.039032	0.940725
cg109414							
84	chr2	70529325		0.247281	2.080089	0.039011	0.940725
cg109218							
02	chr3	1.9E+08		0.318548	2.081162	0.038911	0.940725
cg150759							
88	chr10	76974078		-0.26033	-2.08308	0.038734	0.940456
cg163925							
85	chr20	23402293		-0.28693	-2.07839	0.039169	0.940725
cg254478							
06	chr3	1.57E+08	LEKR1	0.26001	2.080904	0.038935	0.940725
cg135735							
82	chr1	44887933		-0.23465	-2.08219	0.038815	0.940725
cg175925							
65	chr1	22355055		0.247699	2.081741	0.038857	0.940725
cg184264							
77	chr17	48764504		-0.18419	-2.08186	0.038847	0.940725

			ABI3;COL1A1;M RPL27;NXPH3;FA M117A;ENSG00 000248954;EPN 3;PPP1R9B;LRRC				
cg122240							
30	chr17	48047608	59	0.260382	2.083888	0.038659	0.940085
cg087955							
57	chr7	70921332		-0.42172	-2.07974	0.039043	0.940725
cg032920							
69	chr3	1.26E+08	KLF15;TXNRD3	-0.15466	-2.07895	0.039116	0.940725
cg090644							
91	chr16	82045758		0.318738	2.083411	0.038703	0.940085
cg027352							
50	chr6	1.26E+08		-0.26821	-2.07825	0.039182	0.940725
cg219388							
94	chr11	66060589		-0.30395	-2.08094	0.038931	0.940725
cg109164							
29	chr15	64799784		0.364786	2.079793	0.039038	0.940725
cg016295							
45	chr5	1231351		-0.26364	-2.07882	0.039129	0.940725
cg016375							
37	chr22	40417285	FAM83F	-0.24831	-2.08231	0.038804	0.940725

cg215711			DYRK3;CR1L;SRG				
60	chr1	2.07E+08	AP2;PIGR	0.40334	2.079825	0.039035	0.940725
cg127145							
38	chr1	1.51E+08		0.156982	2.078925	0.039119	0.940725
cg120771							
94	chr10	69993117		0.345241	2.077109	0.039288	0.940725
cg016407							
11	chr14	73448582		-0.24525	-2.07992	0.039026	0.940725
cg035929							
03	chr5	33737936	TARS	-0.3558	-2.08112	0.038915	0.940725
cg244898							
13	chr12	53574330		-0.14644	-2.07892	0.03912	0.940725
cg170615							
05	chr11	1594896	C11orf89	-0.31955	-2.0835	0.038695	0.940085
cg099509							
16	chr6	1.01E+08		-0.25003	-2.07837	0.03917	0.940725
cg053693							
47	chr13	1.12E+08		-0.30594	-2.08163	0.038867	0.940725
cg022248							
19	chr3	1.7E+08		-0.25814	-2.07743	0.039258	0.940725

			ZNF486;ZNF90;Z				
cg137879			NF66;ZNF626;ZN				
82	chr19	20348926	F737	0.235284	2.080015	0.039017	0.940725
cg145304							
76	chr8	1.18E+08		0.166774	2.079804	0.039037	0.940725
cg258515							
97	chr15	89248474		0.224671	2.077453	0.039256	0.940725
cg133160							
61	chr18	47798969		-0.18318	-2.08405	0.038644	0.940085
cg137972							
05	chr3	1.87E+08		-0.21856	-2.08098	0.038928	0.940725
cg187944							
75	chr8	55533829		0.374888	2.079091	0.039103	0.940725
cg049681							
32	chr16	27560915		0.184899	2.080245	0.038996	0.940725
cg129694							
07	chr6	1.26E+08		-0.32526	-2.08524	0.038534	0.939865
cg210837							
09	chr3	1.29E+08		-0.13834	-2.08	0.039019	0.940725
cg085220							
65	chr12	46384600		-0.1716	-2.07982	0.039035	0.940725
cg206349							
40	chr10	465975		0.291529	2.076972	0.039301	0.940725
cg220614							
79	chr8	87484795		-0.25201	-2.07846	0.039162	0.940725
cg242280							
40	chr22	50496857		0.19913	2.079439	0.039071	0.940725



cg226115							
04	chr10	52750754		0.35046	2.08071	0.038953	0.940725
cg127345							
26	chr7	1986533		0.217576	2.080674	0.038956	0.940725
cg254468							
40	chr7	12607228		-0.25471	-2.07876	0.039134	0.940725
cg214905							
97	chr4	1.14E+08		-0.27203	-2.07993	0.039025	0.940725
cg145015							
48	chr5	1.16E+08		-0.28622	-2.07977	0.039041	0.940725
cg070687							
61	chr14	77505182		0.342546	2.078543	0.039154	0.940725
cg106885							
08	chr2	52799970		0.301985	2.078963	0.039115	0.940725
cg018401							
15	chr13	88788898		-0.24737	-2.07677	0.039319	0.940725
cg245737							
24	chr5	5303488		0.206183	2.079616	0.039054	0.940725
cg157162							
10	chr10	1.33E+08		0.275979	2.08326	0.038717	0.940318

			HIST1H2AB;HIST 1H3A;HIST1H2B G;HIST1H3C;HIST 1H3G;HIST1H4A; HIST1H2BB;HIST 1H4H;HIST1H3B; HIST1H2AE;HIST 1H3D				
cg225025							
02	chr6	25962567		-0.28924	-2.07939	0.039076	0.940725
cg185578							
91	chr20	60119099		-0.18154	-2.08036	0.038985	0.940725
cg147924							
80	chr16	66954257	TSNAXIP1	0.1964	2.07993	0.039025	0.940725
cg053402							
40	chr16	88109993		-0.28123	-2.07798	0.039207	0.940725

			JAK3;FCHO1;BST 2;IL12RB1;COLG ALT1;ENSG0000 0269640;MYO9B ;ISYNA1				
cg022859							
20	chr19	17958956		0.35559	2.080706	0.038953	0.940725
cg079549							
41	chr9	1.32E+08		-0.21467	-2.07847	0.039161	0.940725

ch.2.2685							
596F	chr2	1.29E+08		-0.40511	-2.07771	0.039232	0.940725
cg068127							
22	chr8	1.33E+08		-0.23678	-2.0792	0.039093	0.940725
cg124833							
57	chr19	10958336		-0.30981	-2.07639	0.039356	0.940725
cg091744							
21	chr5	1.77E+08		0.130507	2.078822	0.039128	0.940725
cg026761							
75	chr17	7253720		0.477767	2.076858	0.039312	0.940725

			DENND2C;AMPD				
cg268773			1;VANG1;CASQ				
57	chr1	1.16E+08	2;CD58	-0.29654	-2.07942	0.039073	0.940725
cg016848							
05	chr3	39508348		0.253456	2.081543	0.038876	0.940725
cg244834							
93	chr15	63333476	DAPK2	0.372812	2.078917	0.03912	0.940725
cg155724							
96	chr11	2189856		-0.15125	-2.08037	0.038984	0.940725
cg047278							
65	chr12	54331892		0.273888	2.076671	0.039329	0.940725
cg107498							
22	chr11	44332913	TSPAN18;ALX4	0.150284	2.086355	0.038432	0.939538
cg101152							
03	chr1	7121245		0.333963	2.079878	0.03903	0.940725
ch.12.159							
6805R	chr12	79189766		0.336003	2.077595	0.039243	0.940725
cg057400							
45	chr8	65499926		0.365011	2.080771	0.038947	0.940725
cg012256							
98	chr11	27742355		0.401652	2.077601	0.039242	0.940725
cg230476							
81	chr6	1.05E+08		-0.2473	-2.077	0.039298	0.940725
cg036356							
49	chr5	41510801		0.147829	2.08016	0.039004	0.940725
cg197216							
80	chr1	2.45E+08		-0.17096	-2.07882	0.039129	0.940725
cg041185							
19	chr16	1575267		-0.20013	-2.07889	0.039122	0.940725
cg164308							
62	chr1	17493806		0.289731	2.079174	0.039096	0.940725
cg252899							
73	chr4	41362397		-0.22027	-2.07985	0.039033	0.940725
cg155269							
39	chr5	82805379		0.37227	2.07625	0.039369	0.940725
cg170217							
98	chr7	226444	CYP2W1	-0.3485	-2.0763	0.039364	0.940725

cg234912							
36	chr17	262232		0.251601	2.078545	0.039154	0.940725
cg188735							
93	chr6	1.11E+08		-0.16524	-2.08103	0.038923	0.940725
cg092524							
95	chr20	21503898	PAX1	0.330504	2.07819	0.039187	0.940725
cg058965							
63	chr6	7390048		0.159138	2.077958	0.039209	0.940725
cg162093							
03	chr14	1.03E+08		0.197466	2.079917	0.039026	0.940725
cg157699							
21	chr17	38573932		-0.15162	-2.07775	0.039228	0.940725
cg159582							
89	chr11	1.26E+08		-0.38269	-2.07911	0.039101	0.940725
cg197334			ENSG000002354				
63	chr2	2.32E+08	19	-0.25272	-2.08038	0.038983	0.940725
cg123935							
89	chr7	45027643		0.242359	2.079707	0.039046	0.940725
cg088302							
25	chr13	34116653		-0.13123	-2.07864	0.039146	0.940725
cg056673							
11	chr10	98797490		0.290999	2.07669	0.039327	0.940725
cg220087							
72	chr2	80087301		-0.27633	-2.07856	0.039153	0.940725
cg178740							
53	chr1	2.36E+08	B3GALNT2	0.35785	2.079592	0.039057	0.940725
cg275128			MAPK12;MAPK1				
68	chr22	49766935	1	0.466136	2.082444	0.038792	0.940725
cg150836							
78	chr12	2724200		-0.22734	-2.07687	0.039311	0.940725
cg241094							
15	chr12	67462522		-0.16524	-2.08036	0.038986	0.940725
cg218699							
13	chr1	12289560		-0.21818	-2.07556	0.039433	0.940725
cg111682							
93	chr22	49067022		-0.36567	-2.07669	0.039327	0.940725
cg233726							
84	chr5	1.78E+08		-0.29772	-2.07642	0.039353	0.940725
cg077166							
24	chr16	787123	HAGHL	0.214278	2.081785	0.038853	0.940725
cg240345							
68	chr3	1.84E+08		-0.20352	-2.07619	0.039374	0.940725
cg114690							
61	chr11	31826421		0.162365	2.077818	0.039222	0.940725
cg195612							
74	chr2	96905601		-0.21991	-2.07822	0.039185	0.940725
cg144272			ENSG000002340				
43	chr2	88428522	28	-0.30416	-2.08018	0.039003	0.940725
cg177410							
80	chr1	2.3E+08		0.184521	2.080068	0.039013	0.940725

cg275852							
87	chr22	37963407	TRIOBP;NCF4	-0.25661	-2.08242	0.038794	0.940725
cg013820							
72	chr16	86787277		-0.26638	-2.07916	0.039097	0.940725
cg078032							
84	chr3	1.86E+08		0.296505	2.079794	0.039038	0.940725
cg145512							
79	chr8	42294139		-0.20566	-2.07964	0.039053	0.940725
cg186931							
41	chr12	1.25E+08	CCDC92;BRI3BP	0.448755	2.078466	0.039162	0.940725
cg101812							
81	chr2	2.15E+08		0.474445	2.077277	0.039273	0.940725
cg020167							
71	chr4	89069031		0.390209	2.077025	0.039296	0.940725
cg023187							
84	chr15	27213174		0.384777	2.076756	0.039321	0.940725
cg087194							
86	chr9	90112101		0.270769	2.077108	0.039288	0.940725
cg131224							
48	chr4	82433382	ENOPH1	-0.32707	-2.07962	0.039054	0.940725
cg002853							
14	chr16	68119255		-0.23265	-2.07792	0.039212	0.940725
cg185021							
42	chr7	96622709		0.408146	2.078307	0.039176	0.940725
cg087198							
69	chr9	8857486		0.397927	2.076559	0.03934	0.940725
cg148249							
21	chr4	57922113		0.440351	2.077541	0.039248	0.940725
cg147418							
88	chr10	3240019		-0.21328	-2.07762	0.03924	0.940725
cg014233							
94	chr10	8076679		0.177761	2.081662	0.038865	0.940725
cg109817							
17	chr8	95569815		-0.25255	-2.08553	0.038508	0.939865
cg023812							
79	chr19	16394366	HSH2D	0.440467	2.077343	0.039266	0.940725
cg185263							
32	chr12	1.1E+08		-0.16905	-2.08099	0.038927	0.940725
cg217969							
35	chr6	1.7E+08		-0.29202	-2.08164	0.038867	0.940725
cg155559							
85	chr3	73533854		-0.35679	-2.07711	0.039289	0.940725
cg221011							
90	chr17	77896096		-0.2137	-2.07969	0.039048	0.940725
cg196150							
11	chr13	1.13E+08		0.24201	2.075573	0.039432	0.940725
cg069273							
43	chr1	9635799		0.234457	2.076771	0.03932	0.940725
cg231950							
12	chr4	1.84E+08		0.135101	2.07832	0.039175	0.940725

cg225493							
83	chr2	73440252		-0.16274	-2.07736	0.039265	0.940725
cg067498							
19	chr4	24811770	SOD3;LGI2	0.268285	2.076084	0.039384	0.940725
cg073776							
62	chr17	81037199		-0.16007	-2.07826	0.039181	0.940725
cg108660							
62	chr17	72358370		-0.26553	-2.07696	0.039303	0.940725
cg113767			ENSG000002319				
06	chr7	1.58E+08	80	-0.24022	-2.07824	0.039183	0.940725
cg250682							
53	chr11	13124294		-0.22323	-2.07749	0.039253	0.940725
cg004895							
39	chr7	50466520	GRB10	0.313976	2.080237	0.038997	0.940725
cg164087							
84	chr11	1.17E+08		0.259995	2.077414	0.03926	0.940725
cg032132							
16	chr19	46001735	SNRPD2	0.173046	2.077004	0.039298	0.940725
cg032156							
57	chr17	65823530		0.328662	2.08026	0.038995	0.940725
cg269571							
10	chr8	4855451		0.203007	2.078984	0.039113	0.940725
cg034037							
19	chr20	23335483		-0.18372	-2.07877	0.039133	0.940725
cg235624							
06	chr2	27319374		0.232196	2.078464	0.039162	0.940725
cg023203							
56	chr8	1.27E+08	CCAT1;CASC19	-0.29131	-2.07699	0.039299	0.940725
cg014850							
67	chr17	41440852		0.300575	2.075948	0.039397	0.940725
cg107647							
62	chr13	78494272		0.285948	2.077762	0.039227	0.940725
cg003810							
76	chr18	51884797		-0.2359	-2.07916	0.039097	0.940725
			C1orf186;SLC41				
cg061748			A1;RAB7L1;KLHD				
82	chr1	2.05E+08	C8A	-0.27292	-2.07969	0.039048	0.940725
cg256374							
73	chr15	62537960		0.241855	2.07627	0.039367	0.940725
cg083142							
08	chr16	67682810		0.259627	2.077548	0.039247	0.940725
cg069295							
83	chr10	88172435		-0.31568	-2.07643	0.039352	0.940725
cg195748							
78	chr11	72943745		-0.18864	-2.07666	0.03933	0.940725
			DOCK2;LCP2;SPD				
cg267942							
27	chr5	1.69E+08	L1;GABRP	-0.30941	-2.07814	0.039192	0.940725

cg114811							
33	chr2	69611360		-0.24182	-2.08145	0.038884	0.940725
cg125995							
69	chr2	1.14E+08		0.232741	2.075314	0.039456	0.940725
cg123004							
98	chr18	43913565		0.26065	2.078035	0.039202	0.940725
cg140314							
73	chr9	1.34E+08 ASS1		-0.28536	-2.07737	0.039264	0.940725
cg050421			PRKRIRP7;ENSGO				
10	chr8	79470805 0000254352		-0.18487	-2.07658	0.039337	0.940725
cg090045							
81	chr6	74171029		0.380233	2.076701	0.039326	0.940725
cg121387							
80	chr7	1.58E+08		0.253176	2.078349	0.039172	0.940725
cg008812							
54	chr18	657522		-0.15627	-2.07746	0.039256	0.940725
cg212873							
47	chr8	59259110		-0.32976	-2.07541	0.039447	0.940725
cg226390							
11	chr11	30037875		0.327507	2.077268	0.039273	0.940725
cg199109							
37	chr4	1.29E+08		-0.29448	-2.07939	0.039075	0.940725
cg176109							
31	chr22	31476670		0.202145	2.077586	0.039244	0.940725
cg007566							
48	chr19	46215858		0.193381	2.078114	0.039194	0.940725
cg142607							
09	chr7	1.58E+08		-0.18258	-2.0778	0.039223	0.940725
cg068337							
21	chr2	24342860		0.240658	2.076554	0.03934	0.940725
cg163758							
20	chr5	55289001 GZMA		0.402615	2.078143	0.039192	0.940725
cg181546							
79	chr3	14441256 CHCHD4		0.160819	2.07693	0.039305	0.940725
cg015844							
48	chr16	50099761		-0.18506	-2.07463	0.03952	0.940725
cg048917							
61	chr1	1001973		-0.20111	-2.07684	0.039314	0.940725
cg142541							
26	chr9	1.37E+08		0.41407	2.076065	0.039386	0.940725
cg178312							
77	chr7	1.31E+08		-0.25912	-2.0747	0.039513	0.940725
cg030008							
44	chr2	2.43E+08		-0.17659	-2.07656	0.03934	0.940725
cg235098							
96	chr20	62680345		0.294541	2.076089	0.039384	0.940725
cg122816							
57	chr14	65016595		-0.26011	-2.07679	0.039318	0.940725

cg017140							
87	chr1	2.45E+08		0.223074	2.078356	0.039172	0.940725
cg043193							
99	chr16	85497962		0.22407	2.076924	0.039306	0.940725
cg123099							
38	chr13	98968161		0.285597	2.075795	0.039411	0.940725
cg064157							
42	chr21	45111964		0.293942	2.077637	0.039239	0.940725
cg061654			ENSG000002336				
95	chr2	64033792	94	-0.20426	-2.07467	0.039517	0.940725
cg042762							
88	chr14	39766390		-0.13616	-2.07618	0.039375	0.940725
cg047093							
02	chr7	6063328		0.288424	2.073355	0.03964	0.940725
cg020522							
17	chr7	99970869		0.209718	2.077549	0.039247	0.940725
cg061163							
97	chr18	32820960		-0.20327	-2.07606	0.039386	0.940725
cg213431			GABBR1;HLA-F-				
91	chr6	28917801	AS1	0.345066	2.075436	0.039445	0.940725
cg018341							
60	chr16	70713567		0.265919	2.077103	0.039289	0.940725
cg016886							
88	chr5	1.41E+08		0.240475	2.076944	0.039304	0.940725
cg206742							
12	chr8	12623766		-0.35503	-2.07419	0.039562	0.940725
cg079011							
99	chr2	2.42E+08		-0.23464	-2.0783	0.039177	0.940725
cg032301							
54	chr19	22817176		0.383513	2.075695	0.039421	0.940725
cg182265							
25	chr14	99849390		-0.15951	-2.07962	0.039055	0.940725
cg033127							
92	chr20	43849759	GDAP1L1	0.255261	2.074441	0.039538	0.940725
cg240407							
51	chr14	56661627		-0.29665	-2.07502	0.039484	0.940725
cg174167			TAP1;PSMB8;BA				
30	chr6	33245541	K1;RPL32P1;HLA-				
cg006143			DMB;SLC39A7	-0.29089	-2.07464	0.03952	0.940725
60	chr17	80858406		0.209683	2.074281	0.039553	0.940725
cg083921							
25	chr2	1.08E+08		-0.18196	-2.07474	0.03951	0.940725
cg032841							
13	chr19	1235093	HMHA1;MOB3A	-0.35912	-2.07462	0.039522	0.940725

cg163582							
57	chr10	1.13E+08		-0.21877	-2.07605	0.039387	0.940725
cg096699							
30	chr6	11233125		0.399542	2.073552	0.039622	0.940725
cg192517							
37	chr1	9795376		0.18507	2.078875	0.039123	0.940725
cg174608							
46	chr10	1.01E+08		0.196117	2.077925	0.039212	0.940725
cg083579							
47	chr3	8000942		-0.33277	-2.07498	0.039488	0.940725
cg165256							
06	chr2	264695		-0.23542	-2.0758	0.039411	0.940725
cg079029			KCNK6;ZNF546;Z				
83	chr19	39694477	NF780B	-0.33572	-2.07612	0.039381	0.940725
cg266457							
09	chr15	89987792	ABHD2	-0.31122	-2.07339	0.039637	0.940725
cg093784							
97	chr16	1525169		0.118999	2.075601	0.039429	0.940725
cg048294							
85	chr14	1.05E+08		0.233018	2.077783	0.039225	0.940725
cg260185							
44	chr1	25230915		0.151468	2.075488	0.03944	0.940725
cg144428							
41	chr6	20127257		-0.33975	-2.07679	0.039318	0.940725
cg073230							
55	chr20	3140559		-0.21185	-2.07648	0.039347	0.940725
cg137131							
72	chr9	98824421		-0.37807	-2.07523	0.039464	0.940725
cg139275							
60	chr4	41937623		-0.20564	-2.07621	0.039373	0.940725
cg117986							
60	chr2	25504398		0.329916	2.076086	0.039384	0.940725
cg161715							
26	chr1	1.55E+08		-0.18319	-2.07533	0.039454	0.940725
cg217402							
04	chr9	72873544		0.288154	2.07488	0.039497	0.940725
cg173497							
53	chr11	57227351		-0.32948	-2.0773	0.03927	0.940725
cg233979							
55	chr15	89148733		-0.27087	-2.07382	0.039596	0.940725
cg109118							
44	chr4	1230262		0.438592	2.074838	0.039501	0.940725
cg101247							
10	chr1	1.47E+08		0.245941	2.075737	0.039417	0.940725
cg084727							
81	chr11	1.01E+08		0.296181	2.076484	0.039347	0.940725
cg025036							
46	chr3	52444059		-0.15584	-2.07408	0.039572	0.940725



cg241461							
25	chr6	30690376	C6orf25	0.235981	2.07921	0.039092	0.940725
cg033558							
08	chr10	14302678		-0.35	-2.0736	0.039617	0.940725
			RAB20;ANKRD10				
cg172926			;COL4A1;ARHGE				
67	chr13	1.11E+08	F7;COL4A2;ING1	0.279739	2.080487	0.038974	0.940725
cg235361							
07	chr4	728111		0.242298	2.075259	0.039461	0.940725
cg066025							
45	chr16	85120870		0.302956	2.07534	0.039454	0.940725
cg245390							
60	chr17	76570762		-0.29154	-2.07799	0.039206	0.940725
cg108124							
39	chr10	80862771		0.292358	2.074102	0.03957	0.940725
cg060384							
70	chr16	410721		-0.23797	-2.0757	0.03942	0.940725
cg089389							
06	chr12	1.07E+08		0.228399	2.075831	0.039408	0.940725
cg150861							
13	chr19	1766358		0.216978	2.074278	0.039554	0.940725
cg261928							
26	chr11	68598649		0.277195	2.075426	0.039446	0.940725
cg035058							
66	chr14	70077191		-0.30841	-2.07487	0.039498	0.940725
cg152599							
47	chr6	1.51E+08		-0.16749	-2.07653	0.039342	0.940725
cg031265			ZBTB7A;GNA11;				
79	chr19	3822189	HMG20B	0.4057	2.075889	0.039402	0.940725
cg195009							
79	chr11	67287273		0.265306	2.076883	0.039309	0.940725
cg031161			ELF5;ENSG000000				
82	chr11	33934316	271369	-0.25976	-2.0745	0.039533	0.940725
cg243195							
08	chr6	394966	IRF4	-0.1925	-2.08039	0.038983	0.940725
cg048317							
28	chr16	1437752		0.24753	2.07352	0.039625	0.940725
cg240555							
56	chr18	9913434		-0.24573	-2.07617	0.039376	0.940725
cg005857							
14	chr8	97156859	CPQ	0.239681	2.074858	0.039499	0.940725

cg101629			ADAM17;ASAP2; RRM2;ATP6V1C				
71	chr2	10093493	2;MBOAT2	0.45977	2.078139	0.039192	0.940725
cg135773							
89	chr8	1.44E+08		-0.27991	-2.07228	0.039742	0.941008
cg165073							
54	chr20	3869575		-0.185	-2.07511	0.039475	0.940725
cg124537							
48	chr11	64085041		-0.19149	-2.07678	0.039319	0.940725
cg026961							
69	chr2	23886193		0.240172	2.073116	0.039663	0.940803
cg152708							
13	chr20	33814170		-0.32733	-2.07375	0.039603	0.940725

			ENSG000002537 73;ENSG000002 53704;LINC0053				
cg259474							
89	chr8	95246814	5	0.269182	2.073604	0.039617	0.940725
cg118413							
35	chr1	2.04E+08		0.255278	2.072531	0.039718	0.941008
cg189807							
33	chr5	1.38E+08		0.177338	2.076721	0.039325	0.940725
cg117947							
35	chr17	146404		0.393305	2.073848	0.039594	0.940725
cg269783							
68	chr16	1016357		0.220373	2.074332	0.039549	0.940725
cg105210							
14	chr16	83950036		0.312624	2.074806	0.039504	0.940725
cg190047							
75	chr13	1.06E+08		0.434028	2.074481	0.039535	0.940725
cg264014							
92	chr3	53003348		0.313365	2.07449	0.039534	0.940725
cg265095							
69	chr16	15826509		-0.21588	-2.07358	0.039619	0.940725
cg068409			TMEM99;STARD				
30	chr17	38642659	3	-0.27528	-2.07639	0.039356	0.940725
cg162946							
20	chr20	13280181		0.32185	2.075536	0.039436	0.940725
cg262980							
38	chr22	17565904	CECR2;CECR7	-0.24411	-2.07238	0.039732	0.941008
cg019412							
19	chr13	98795021		-0.19098	-2.07533	0.039455	0.940725
cg192615							
26	chr7	1.57E+08		-0.19555	-2.07948	0.039067	0.940725
cg105369							
55	chr2	55197220		0.274102	2.074126	0.039568	0.940725

cg107914							
22	chr11	68748528		-0.28926	-2.07682	0.039315	0.940725
cg033565							
95	chr16	51187807		0.317525	2.072772	0.039695	0.941008
cg089324							
40	chr10	1.26E+08	OAT	0.581424	2.073288	0.039647	0.940742
cg170414							
38	chr5	80601538		-0.31416	-2.07352	0.039625	0.940725
cg152675							
45	chr11	60929004		-0.12754	-2.07715	0.039284	0.940725
cg196008							
71	chr5	1.4E+08		0.339347	2.075532	0.039436	0.940725
cg002374							
89	chr6	1.67E+08		0.511432	2.07355	0.039622	0.940725
cg260725			ZFPM2;ENSG000				
61	chr8	1.07E+08	00254141	0.209702	2.07706	0.039293	0.940725
cg208133							
74	chr6	35657180	ETV7	-0.26923	-2.07451	0.039532	0.940725
cg055402							
21	chr15	99213144		-0.19681	-2.07406	0.039574	0.940725
cg056921							
23	chr5	1.23E+08		0.385444	2.073049	0.039669	0.940836
cg046595							
36	chr7	4218154		0.221212	2.075012	0.039485	0.940725
cg209474							
76	chr17	26554610		-0.16574	-2.07674	0.039323	0.940725
cg001709							
73	chr17	58755074		-0.2897	-2.07504	0.039482	0.940725
cg163233							
59	chr6	41913381		-0.2113	-2.07525	0.039463	0.940725
cg087924			HMGN3;LCA5;IR				
16	chr6	80404639	AK1BP1;PHIP;H	0.464126	2.075807	0.03941	0.940725
cg231724							
80	chr6	1.18E+08	MGN3-AS1	0.271391	2.074478	0.039535	0.940725
cg188381							
48	chr12	50629483		-0.28436	-2.07425	0.039556	0.940725
cg033129							
20	chr7	1106033		0.159019	2.074405	0.039542	0.940725

			SYNPO;HMGXB3 ;NDST1;PDGFRB; ENSG000002538 64;MIR143HG;P				
cg148553	78	chr5	1.5E+08	CYOX1L;MIR145	-0.16783	-2.0743	0.039551 0.940725
cg136141	81	chr13	42031103		0.224871	2.076123	0.03938 0.940725
cg150272	94	chr12	1609537		-0.47802	-2.07298	0.039675 0.940872
cg105517	59	chr7	1.21E+08		-0.17158	-2.07418	0.039562 0.940725
cg162647	22	chr12	1.09E+08		-0.26003	-2.07384	0.039595 0.940725
cg083647	30	chr16	3906833		0.275743	2.076931	0.039305 0.940725
cg065747	16	chr19	44331239	ZNF404;PLAUR	0.26689	2.074741	0.03951 0.940725
cg193984	96	chr6	26323437	HIST1H3A;HMG N4	0.312353	2.073392	0.039637 0.940725
cg134664	81	chr22	17849848		0.223631	2.073309	0.039645 0.940742
cg226899	04	chr15	66365153	IGDCC4	-0.26498	-2.0737	0.039608 0.940725
cg262187	26	chr12	1.22E+08		0.153224	2.07209	0.03976 0.941008
cg051696	66	chr11	1.19E+08	RPL5P30	0.190975	2.073563	0.039621 0.940725
cg088760	39	chr1	14342668	PDPN	-0.32748	-2.07643	0.039352 0.940725
cg272319	12	chr13	1.13E+08		-0.25656	-2.07221	0.039748 0.941008
cg018660	38	chr14	62583968		0.19207	2.074854	0.0395 0.940725
cg078383	88	chr13	45492839		-0.19748	-2.07208	0.03976 0.941008
cg139783	47	chr9	1.2E+08	ASTN2;TRIM32	-0.33674	-2.07228	0.039742 0.941008
cg006722	77	chr3	1.38E+08		-0.26436	-2.07296	0.039677 0.940872
cg236148	52	chr5	1.41E+08		0.359058	2.073692	0.039609 0.940725
cg250099	99	chr10	1.35E+08	INPP5A	0.2365	2.074217	0.039559 0.940725

cg215848						
00	chr1	2689171	-0.27227	-2.07122	0.039842	0.941167
cg237002						
78	chr4	3746874	0.256842	2.073832	0.039596	0.940725
cg217600						
34	chr3	1.96E+08	0.197374	2.071688	0.039798	0.941014
cg156066						
92	chr11	1.25E+08	-0.20684	-2.07341	0.039635	0.940725
cg091632						
70	chr4	1.89E+08	0.30949	2.073226	0.039653	0.940754
cg275517						
06	chr1	7015944	-0.19988	-2.07757	0.039245	0.940725
cg011520						
15	chr11	1.34E+08	0.213287	2.073871	0.039592	0.940725
cg157079						
48	chr13	65532796	-0.31118	-2.07479	0.039505	0.940725
cg161896						
71	chr8	65291562	0.31506	2.071657	0.039801	0.941014
cg070120						
91	chr17	30186062	-0.15501	-2.07157	0.039808	0.941014
cg149424						
95	chr10	90595470	0.263699	2.077394	0.039262	0.940725
cg091565						
42	chr13	1.12E+08	-0.21233	-2.07606	0.039386	0.940725
cg196569						
50	chr13	1.01E+08	0.215065	2.074764	0.039508	0.940725
cg035217						
36	chr19	291022	-0.18846	-2.0729	0.039684	0.94097
cg273144						
22	chr6	31105927	-0.19807	-2.07375	0.039603	0.940725
cg022897						
41	chr19	39616340	0.122712	2.073278	0.039648	0.940742
cg042796						
95	chr11	1.02E+08	0.218406	2.072699	0.039702	0.941008
cg156815						
77	chr11	41481497	0.412976	2.074152	0.039565	0.940725
cg156006						
69	chr5	1.26E+08	-0.27568	-2.07557	0.039432	0.940725
cg181374						
81	chr11	1.1E+08	-0.28385	-2.07507	0.039479	0.940725
cg158358						
25	chr7	1.55E+08	0.325458	2.075139	0.039473	0.940725
cg060498						
68	chr13	1.13E+08	0.20287	2.072816	0.039691	0.941008
cg004209						
11	chr5	2205990 NDUF5	-0.21892	-2.0742	0.039561	0.940725
cg091528						
53	chr5	1.49E+08	0.273883	2.074493	0.039533	0.940725
cg234652		ENSG000002262				
89	chr5	54909384 21	-0.22683	-2.07412	0.039568	0.940725

cg126230							
34	chr1	1.71E+08		-0.23034	-2.07078	0.039884	0.941177
			DNAJC18;ECSCR; CTNNA1;SPATA2				
cg199512							
97	chr5	1.38E+08	4	0.367768	2.073448	0.039632	0.940725
cg218212							
31	chr11	1262890		-0.2915	-2.07105	0.039858	0.941177
cg212645							
31	chr7	1.57E+08		-0.27218	-2.07349	0.039628	0.940725
cg195691							
70	chr5	1.42E+08		-0.20864	-2.07844	0.039164	0.940725
cg064599							
13	chr16	11361823		-0.25872	-2.07351	0.039626	0.940725
cg268194							
28	chr2	60784878	XPO1	0.331951	2.07671	0.039326	0.940725
cg040008			LILRB1;LAIR1;SU				
21	chr19	55014066	V420H2;LILRB2	-0.30652	-2.07221	0.039749	0.941008
cg038777							
67	chr2	11680057		-0.36323	-2.07251	0.03972	0.941008
cg022075							
54	chr17	11145805		0.269632	2.07311	0.039664	0.940803
cg004000							
96	chr11	41644529		-0.26401	-2.07648	0.039347	0.940725
cg068220							
62	chr10	13688106		-0.22089	-2.07474	0.03951	0.940725
cg229632							
96	chr2	64092376		-0.27911	-2.07484	0.039501	0.940725
cg232269							
14	chr1	2.48E+08		0.616238	2.074397	0.039542	0.940725
cg264665							
87	chr6	1E+08		0.416406	2.071628	0.039803	0.941014
cg255221							
19	chr19	47219957		-0.19987	-2.07272	0.039701	0.941008
cg168798							
71	chr19	48111593		-0.21421	-2.07475	0.039509	0.940725
			ITGA9;MYD88;E				
cg191280			NSG0000023525				
82	chr3	38537279	7	-0.23737	-2.07182	0.039786	0.941014
cg073780							
58	chr5	612255		-0.24745	-2.07172	0.039794	0.941014
cg146168							
24	chr9	1.02E+08		-0.29958	-2.07609	0.039383	0.940725
cg153486							
40	chr3	38179985		-0.25548	-2.0709	0.039872	0.941177
cg081934			ENSG000002398				
67	chr3	1.21E+08	35	0.225351	2.075516	0.039437	0.940725

cg009604							
19	chr6	1.71E+08	PHF10	0.132672	2.072174	0.039752	0.941008
cg135510							
88	chr19	38270430		-0.14898	-2.07158	0.039808	0.941014
cg083449			ENSG000002717				
43	chr5	1064462	81	-0.28069	-2.07158	0.039808	0.941014
cg216738							
12	chr2	2.43E+08		-0.34805	-2.07209	0.03976	0.941008
			PARD6B;MOCS3;				
cg093691			BCAS4;DPM1;SN				
36	chr20	49202225	AI1;CEBPB	0.41797	2.077881	0.039216	0.940725
cg192219							
59	chr7	94537347		0.176528	2.070416	0.039918	0.941177
cg247047							
59	chr10	1.33E+08	BNIP3	-0.27221	-2.07225	0.039744	0.941008
cg194328							
94	chr9	33025349		0.163358	2.073778	0.039601	0.940725
cg096827							
96	chr3	50383167		0.383716	2.073233	0.039652	0.940754
cg136560							
25	chr17	7744978	DNAH2	0.137585	2.075184	0.039469	0.940725
cg077575							
77	chr8	1.22E+08		0.299696	2.073116	0.039663	0.940803
cg217507							
09	chr3	1.09E+08		0.310191	2.071013	0.039862	0.941177
cg268322			ENSG000002509				
94	chr4	1.22E+08	38	0.29939	2.070524	0.039908	0.941177
cg014797							
38	chr13	60741560		-0.16665	-2.07354	0.039623	0.940725
cg175084							
40	chr22	39101710	PRDX3P1;ATF4	-0.18307	-2.07419	0.039562	0.940725
cg051776							
29	chr20	43834580		-0.33155	-2.07266	0.039706	0.941008
cg071231							
18	chr8	13133706		0.340388	2.071175	0.039846	0.941167
cg001345							
63	chr16	88082117		-0.22693	-2.07301	0.039673	0.940866
cg217647							
08	chr7	1.51E+08	SMARCD3	-0.34068	-2.07191	0.039777	0.941014
cg143017							
64	chr8	1.42E+08		0.221284	2.069817	0.039975	0.941177
cg164130							
30	chr2	1.77E+08		0.298399	2.069834	0.039973	0.941177
cg102518							
96	chr15	78632684		0.460281	2.07317	0.039658	0.940803
cg003966							
73	chr7	1.56E+08		0.30262	2.074432	0.039539	0.940725

cg103327						
87	chr14	45722622	0.255005	2.078552	0.039154	0.940725
cg275550						
36	chr16	87898191	-0.32901	-2.0724	0.039731	0.941008
cg197218						
89	chr5	1.54E+08	0.351503	2.068662	0.040085	0.941274
cg075712						
84	chr14	23398847 C14orf93	0.183707	2.071603	0.039806	0.941014
cg128054						
20	chr17	7165840	-0.20138	-2.07423	0.039558	0.940725
cg239625						
28	chr2	2.42E+08	-0.23808	-2.07088	0.039875	0.941177
cg041153						
81	chr22	21800988	-0.20998	-2.07023	0.039936	0.941177
cg096976						
96	chr5	1.39E+08 MZB1	0.326113	2.070361	0.039923	0.941177
cg147396						
64	chr5	1.41E+08 VTRNA1-3	0.261335	2.073886	0.039591	0.940725
cg065892						
39	chr7	961457	-0.27736	-2.06953	0.040002	0.941177
cg231746						
16	chr5	1.46E+08	0.262556	2.069327	0.040021	0.941242
cg092673						
24	chr17	60704634	-0.17518	-2.07122	0.039842	0.941167
cg079349						
41	chr4	1.86E+08	0.210803	2.071128	0.039851	0.941167
cg156863						
85	chr4	17299372	0.256672	2.072579	0.039714	0.941008
cg161321						
39	chr10	1.15E+08	-0.33822	-2.07358	0.039619	0.940725
cg145370						
90	chr2	2.3E+08	0.253306	2.070186	0.03994	0.941177
cg074197						
40	chr5	1.72E+08	0.235146	2.070211	0.039938	0.941177
cg123164						
75	chr9	72288069	-0.19016	-2.0707	0.039891	0.941177
cg040618						
73	chr11	67237179 TBC1D10C	0.25118	2.068814	0.04007	0.941274
cg041970						
86	chr13	1.13E+08	0.362845	2.069502	0.040005	0.941177
cg057491						
38	chr17	77536956	-0.33237	-2.07305	0.039669	0.940836
cg098826						
47	chr20	43991346	0.271383	2.071879	0.03978	0.941014
cg185581						
43	chr19	21929991	0.21077	2.070369	0.039923	0.941177
cg262823						
47	chr17	80968852	-0.23276	-2.07546	0.039442	0.940725
cg271177						
20	chr16	19600928 RPS15A;ARL6IP1	-0.27985	-2.07261	0.039711	0.941008



cg022300							
85	chr17	900491	-0.18611	-2.07145	0.039821	0.941014	
cg037640							
27	chr15	62530766	-0.30572	-2.07164	0.039802	0.941014	
cg232312							
68	chr3	46792462	1.160364	2.070359	0.039923	0.941177	
cg183645							
41	chr4	40750693	0.289141	2.070396	0.03992	0.941177	
cg062237							
36	chr2	2.4E+08	-0.29361	-2.07456	0.039527	0.940725	
cg105904							
42	chr11	1.25E+08	0.211758	2.071542	0.039812	0.941014	
cg008776							
19	chr3	38772426	-0.27689	-2.07103	0.03986	0.941177	
cg120904							
13	chr18	47807928	-0.17779	-2.06916	0.040037	0.941242	
cg132561							
60	chr10	1.34E+08	-0.19861	-2.07018	0.039941	0.941177	

			EHD2;TEAD2;HR C;FUT2;RASIP1;B AX;SLC6A16;PRR				
cg215197							
87	chr19	49133421	G2	0.308048	2.069925	0.039965	0.941177
cg163383							
06	chr18	74632044		0.211367	2.072088	0.03976	0.941008
cg257078							
05	chr1	1.13E+08		0.436845	2.069295	0.040024	0.941242
cg169307							
28	chr8	1.4E+08		-0.24268	-2.06991	0.039966	0.941177
cg134650							
00	chr1	9670867		0.24829	2.070747	0.039887	0.941177
cg178475							
20	chr5	1.75E+08		-0.36623	-2.07358	0.03962	0.940725
cg130713							
86	chr3	37494403		0.38785	2.069152	0.040038	0.941242
cg242661							
05	chr6	1.46E+08		-0.38013	-2.07597	0.039394	0.940725
cg164227							
14	chr5	3059137		0.258843	2.074982	0.039487	0.940725
cg167650							
06	chr17	66194258		0.210558	2.07113	0.039851	0.941167
cg135791							
12	chr19	407205		0.212586	2.069024	0.04005	0.94125
cg061679							
37	chr2	1.22E+08	TSN;NIFK	-0.14871	-2.07058	0.039903	0.941177
cg085083							
68	chr8	86157364		-0.22816	-2.07166	0.0398	0.941014
cg083302							
17	chr20	57982969	ZNF831	-0.33584	-2.06985	0.039971	0.941177

cg111344							
30	chr3	1.94E+08		0.300804	2.07004	0.039954	0.941177
cg131940							
45	chr1	1.66E+08		-0.24506	-2.07224	0.039746	0.941008
cg208855							
69	chr2	2.17E+08		-0.31183	-2.07063	0.039898	0.941177
cg013004							
10	chr10	95653653		0.118006	2.071709	0.039796	0.941014
cg272374							
20	chr14	1.06E+08		0.228444	2.071369	0.039828	0.941045
cg241441							
05	chr13	1.12E+08		-0.24176	-2.0697	0.039986	0.941177
cg117763		ENSG000002513					
21	chr5	9440470 70		0.235379	2.070891	0.039873	0.941177
cg230811							
93	chr12	1.08E+08		-0.27022	-2.07144	0.039821	0.941014
cg092407							
63	chr2	2E+08		0.326584	2.07143	0.039822	0.941014
cg082781							
08	chr17	48042917 ABI3;COL1A1		0.294386	2.070361	0.039923	0.941177
cg159513							
62	chr6	1.66E+08		-0.20665	-2.07506	0.03948	0.940725
cg050459							
69	chr7	2154423		-0.23149	-2.07117	0.039847	0.941167
cg180764							
30	chr20	40325863 PLCG1		-0.27511	-2.06857	0.040093	0.941282
cg031052							
44	chr2	1.06E+08		-0.35741	-2.06957	0.039998	0.941177
cg145681							
05	chr19	37282931		0.306011	2.069871	0.03997	0.941177
cg265576		ENSG000002148					
93	chr7	27265159 70;HOXA-AS2		0.237989	2.071867	0.039781	0.941014
cg142354							
16	chr4	1.41E+08		0.190164	2.070065	0.039951	0.941177
cg101398		ENSG000002378					
46	chr1	62207966 53		0.200925	2.069525	0.040003	0.941177
cg253386		ENSG000002516					
23	chr11	67250427 37		-0.20429	-2.07236	0.039734	0.941008
cg241573							
49	chr22	47081751 TTC38		0.360556	2.072272	0.039743	0.941008
cg218090							
07	chr19	6739524		-0.17047	-2.07078	0.039883	0.941177
cg039885							
27	chr2	1.02E+08		0.150212	2.069252	0.040029	0.941242
cg064742							
94	chr5	1.76E+08		0.162071	2.071911	0.039777	0.941014
cg238048							
42	chr12	8325216		-0.18942	-2.06981	0.039975	0.941177

cg005887							
34	chr2	1.63E+08		-0.28989	-2.07075	0.039886	0.941177
cg036016							
17	chr6	71337660		-0.27648	-2.06862	0.040088	0.941274
cg047042							
47	chr4	1672920		-0.1945	-2.0702	0.039939	0.941177
cg243303							
86	chr2	2.2E+08		0.176531	2.072376	0.039733	0.941008
cg183073			FABP6;ENSG000				
03	chr5	1.59E+08	00247699	-0.18257	-2.07045	0.039914	0.941177
cg182171							
45	chr1	40254695		0.185078	2.071783	0.039789	0.941014
cg268795							
78	chr1	95700272		-0.21572	-2.07144	0.039821	0.941014
cg069315							
23	chr8	854757		-0.22739	-2.07146	0.03982	0.941014
cg140281							
40	chr22	39953985		-0.21042	-2.06939	0.040015	0.941242
cg122895							
09	chr6	1.12E+08		-0.14383	-2.07026	0.039932	0.941177
cg128666							
48	chr8	23540388		-0.16676	-2.06906	0.040047	0.94125
cg010141							
13	chr8	1.45E+08	RHPN1-AS1	0.238735	2.069744	0.039982	0.941177
cg244663							
77	chr19	46268509	GIPR	-0.17146	-2.06956	0.039999	0.941177
cg156158							
29	chr17	12008797		-0.34858	-2.07337	0.039639	0.940725
cg184031							
93	chr6	1.66E+08	PRR18;C6orf118	-0.34164	-2.07016	0.039942	0.941177
cg273948							
59	chr19	35455201		-0.15756	-2.0695	0.040005	0.941177
cg101185							
13	chr14	1.01E+08		0.384613	2.068778	0.040074	0.941274
cg259732							
73	chr6	56407538		-0.16008	-2.06955	0.040001	0.941177
cg066673							
16	chr19	11550036		-0.27615	-2.0697	0.039986	0.941177
cg156804							
70	chr8	54938360		-0.2624	-2.07151	0.039815	0.941014
cg253550							
76	chr5	39074677		-0.13818	-2.07375	0.039603	0.940725
cg008838							
37	chr1	2.49E+08		-0.24182	-2.07282	0.039691	0.941008
cg082068							
81	chr2	12317357		-0.6475	-2.07058	0.039902	0.941177
cg122879							
36	chr5	1800606	C5orf38	-0.31451	-2.06996	0.039961	0.941177

cg049467							
09	chr16	59789030		-0.22701	-2.06869	0.040082	0.941274
cg246947							
48	chr4	1.41E+08		-0.19863	-2.0685	0.0401	0.941282
cg248899							
49	chr19	58551920		-0.2513	-2.06697	0.040246	0.942458
cg086356							
89	chr1	1.11E+08		-0.20859	-2.07	0.039957	0.941177
cg026291							
56	chr6	31856193		-0.18377	-2.06738	0.040207	0.942151
ch.2.6726							
424R	chr2	6808973		-0.30231	-2.07029	0.03993	0.941177
cg264657							
15	chr10	1.02E+08		0.287595	2.068841	0.040068	0.941274
cg021502							
62	chr11	1.25E+08 VSIG2;CHEK1		-0.24631	-2.07216	0.039753	0.941008
cg194982							
37	chr3	49314655		0.180515	2.070611	0.0399	0.941177
cg267805							
81	chr6	1.62E+08		0.216592	2.069582	0.039997	0.941177
cg075699							
94	chr1	44513877		-0.28804	-2.0722	0.039749	0.941008
cg060607							
31	chr2	86566113		0.207977	2.069102	0.040043	0.941243
cg142722							
75	chr11	72353596		-0.19204	-2.06747	0.040198	0.942151
cg124495							
28	chr2	24233341		0.278776	2.066827	0.040259	0.942489
cg272353			CAPN2;TP53BP2;				
15	chr1	2.24E+08 SUSD4		-0.37453	-2.0761	0.039382	0.940725
cg214838							
20	chr7	1.39E+08		0.202808	2.069454	0.040009	0.941223
cg125687							
56	chr2	2.19E+08		0.231253	2.066355	0.040305	0.942616
cg113548							
57	chr21	32128696		-0.26977	-2.06783	0.040163	0.94185
cg174421							
94	chr11	26743403		-0.31671	-2.06782	0.040164	0.94185
cg170017							
65	chr1	2.49E+08		-0.26497	-2.07261	0.039711	0.941008
cg198669							
44	chr1	1.75E+08		0.273353	2.07199	0.039769	0.941014
cg212611							
58	chr13	1.15E+08		0.36439	2.074693	0.039515	0.940725
cg043398							
82	chr1	17286363 EPHA2		-0.2554	-2.07116	0.039848	0.941167
cg253679							
05	chr5	1.77E+08		0.175425	2.070573	0.039903	0.941177

cg004242							
97	chr6	87865072		0.16687	2.067147	0.040229	0.942386
cg179305							
05	chr1	2.3E+08		0.360501	2.068455	0.040104	0.941326
cg048718							
75	chr6	89828172	RNGTT	0.235776	2.068648	0.040086	0.941274
cg015650							
13	chr3	46785957	CXCR6;CCR5	-0.2931	-2.06881	0.04007	0.941274
cg058381							
04	chr1	2559371		0.279706	2.070312	0.039928	0.941177
cg024058							
13	chr6	83072522		0.273775	2.067636	0.040182	0.942127
cg018099							
41	chr5	14581404		0.269989	2.067032	0.04024	0.942443
cg250036							
58	chr5	1.18E+08		0.225107	2.070996	0.039863	0.941177
cg022002							
07	chr7	29605237	NOD1;PRR15	0.314046	2.068724	0.040079	0.941274
cg182411							
30	chr17	12927974		0.161889	2.069265	0.040027	0.941242
cg234184							
34	chr17	67410731		-0.16345	-2.06993	0.039964	0.941177
cg111208			TTC5;TEP1;ENSG				
74	chr14	21673491	00000222489	0.334551	2.068093	0.040139	0.941757
cg172561							
57	chr6	1.42E+08		0.363692	2.071382	0.039827	0.941045
cg161122							
76	chr11	58806952		-0.36363	-2.0726	0.039711	0.941008
cg131480							
76	chr22	31742484		0.172979	2.071574	0.039809	0.941014
cg270685							
39	chr16	4896607		-0.20547	-2.06782	0.040165	0.94185
cg087016							
09	chr21	34961305		-0.25656	-2.06787	0.04016	0.94185
cg061739							
56	chr16	50666302		0.211776	2.068739	0.040077	0.941274
cg087400							
63	chr12	51180192		-0.26323	-2.07114	0.039849	0.941167
cg217517							
79	chr7	1.02E+08		-0.32971	-2.0706	0.039901	0.941177
cg157613							
64	chr10	97514120		-0.33282	-2.06796	0.040151	0.94185
cg052026							
54	chr16	88706241		0.223017	2.068003	0.040147	0.94185
cg132586							
10	chr7	24613676		-0.15782	-2.06785	0.040162	0.94185
cg088836							
96	chr15	22014725		-0.2966	-2.06783	0.040164	0.94185

cg158519							
04	chr12	64215680	PABPC1P4	0.33503	2.070346	0.039925	0.941177
cg260341							
45	chr1	1.17E+08		0.366306	2.066135	0.040325	0.942616
cg195643							
67	chr4	7941852		0.274115	2.069744	0.039982	0.941177
cg109486							
30	chr14	95562368		0.267503	2.06617	0.040322	0.942616
				MKS1;MSI2;SCPE			
				P1;ENSG000002			
				63004;DGKE;AK			
				AP1;SEPT4;VEZF			
				1;C17orf67;ENS			
cg139168			G00000263089;				
77	chr17	55601697	EPX	0.324855	2.072788	0.039694	0.941008
cg166614							
64	chr18	61037759	PHLPP1	0.266505	2.066766	0.040265	0.942574
cg274449							
40	chr13	99013093		-0.30423	-2.0691	0.040043	0.941243
cg141551							
93	chr9	1.29E+08		-0.25305	-2.06862	0.040089	0.941274
cg005408							
50	chr5	1277126		-0.18566	-2.07386	0.039592	0.940725
cg034723							
49	chr15	31319218		-0.26378	-2.06755	0.040191	0.942151
cg105330							
69	chr14	31021011	HECTD1;NUBPL	-0.35473	-2.06997	0.03996	0.941177
cg207395							
26	chr7	1.55E+08		0.405628	2.072741	0.039698	0.941008
cg232587			ENSG000002715				
03	chr7	1.29E+08	53	-0.34327	-2.06817	0.040132	0.941665
cg254031							
52	chr8	60031829		-0.25913	-2.06743	0.040202	0.942151
cg202299			SPATC1L;LINC00				
31	chr21	47647656	205	0.340944	2.066379	0.040302	0.942616
cg081834							
25	chr2	86037857	CD8A	-0.27688	-2.06554	0.040382	0.942616
cg158353							
12	chr4	27117234	STIM2	-0.36299	-2.07162	0.039804	0.941014
cg272135							
09	chr2	1.77E+08		0.211272	2.067127	0.040231	0.942386
cg116519							
36	chr2	1.21E+08		0.310696	2.069938	0.039963	0.941177

cg162036			LRRC37A3;ENSG				
07	chr17	62500946	00000264954	0.290399	2.068435	0.040106	0.941326
cg066190							
76	chr8	62627042		-0.17859	-2.06966	0.03999	0.941177
cg136066							
16	chr19	45926999		-0.11994	-2.0697	0.039986	0.941177
cg048526							
85	chr3	1.78E+08		0.314688	2.069672	0.039989	0.941177
cg220335							
59	chr17	7143253		0.131656	2.068283	0.040121	0.941494
cg021302							
66	chr22	17078353		-0.24537	-2.06586	0.040351	0.942616
cg087002							
84	chr7	75508179		-0.20542	-2.06916	0.040038	0.941242
cg185714							
97	chr6	32784676	TNXB;HLA-DQA1	-0.38523	-2.0763	0.039363	0.940725
cg209319							
73	chr6	1.11E+08		0.247734	2.070521	0.039908	0.941177
cg007973							
46	chr15	37391573		-0.2506	-2.06667	0.040274	0.942616
cg255377							
24	chr2	39663782		-0.19542	-2.06765	0.040181	0.942127
cg237301							
09	chr3	73731100		-0.31727	-2.06554	0.040383	0.942616
cg154627							
36	chr1	1.78E+08		-0.3351	-2.06893	0.040059	0.941274
cg216014							
05	chr20	44747006		0.398867	2.067242	0.04022	0.942358
cg246626							
98	chr1	18970515		-0.3079	-2.06654	0.040287	0.942616
cg045576							
65	chr10	1.15E+08		-0.34774	-2.06904	0.040049	0.94125
ch.9.1307							
20330F	chr9	1.32E+08		-0.22996	-2.06746	0.040199	0.942151
cg125300							
50	chr12	1.15E+08		-0.19559	-2.06792	0.040155	0.94185
cg050733							
82	chr8	2045798		-1.02042	-2.06631	0.040308	0.942616
cg179212							
48	chr17	64298993		0.188865	2.072111	0.039758	0.941008
cg016477							
36	chr12	59924853		-0.33719	-2.0663	0.04031	0.942616
cg180396							
43	chr11	62622929	POLR2G;FADS2	-0.30252	-2.06566	0.040371	0.942616
cg258638							
29	chr11	1.3E+08		0.303859	2.066601	0.040281	0.942616
cg002187							
92	chr15	81468599	ABHD17C	0.301578	2.067371	0.040208	0.942151

cg162212							
89	chr6	39757308		0.2748	2.068267	0.040122	0.941494
cg098159			GPR162;LRRC23;				
77	chr12	7021987	C1RL	0.277184	2.06578	0.040359	0.942616
cg218967							
66	chr8	1.14E+08		0.373585	2.067127	0.040231	0.942386
cg255818							
26	chr20	2821485		-0.15927	-2.06548	0.040388	0.942616
cg022294							
61	chr7	75185674		-0.25391	-2.06509	0.040425	0.942651
cg054993							
76	chr5	1.78E+08		-0.22027	-2.0683	0.040119	0.941494
cg142618							
68	chr1	1.5E+08		0.256084	2.069708	0.039985	0.941177
cg253402							
41	chr7	1.05E+08		-0.1842	-2.06923	0.04003	0.941242
cg270712							
34	chr15	37161343		0.271876	2.066857	0.040257	0.942473
cg161631							
16	chr1	3608758		-0.18461	-2.0684	0.04011	0.941357
cg073622							
58	chr13	41109707		-0.22889	-2.06606	0.040333	0.942616
cg113266							
13	chr9	35657478	RMRP	0.198505	2.06706	0.040237	0.942433
cg218707							
31	chr20	62496515		0.172001	2.066096	0.040329	0.942616
cg207122							
74	chr19	9946111		-0.11497	-2.06864	0.040087	0.941274
cg202197							
90	chr10	1.35E+08		-0.26524	-2.06483	0.04045	0.94273
cg241041							
28	chr11	33796038		-0.19355	-2.06488	0.040446	0.94273
cg248562							
58	chr15	41952827		0.187533	2.064604	0.040472	0.94273
cg203351							
85	chr1	1.56E+08		-0.33743	-2.06641	0.040299	0.942616
cg109512							
89	chr1	2.05E+08		0.260311	2.065801	0.040357	0.942616
cg243618							
23	chr19	1112732	SCAMP4;PCSK4	0.180663	2.068511	0.040099	0.941282
cg031331							
18	chr1	78001627		-0.29908	-2.06524	0.040411	0.942616
cg234287							
25	chr14	36278532		0.204619	2.065293	0.040406	0.942616
cg076611							
06	chr17	77956872		-0.21581	-2.06474	0.040459	0.94273
cg097642							
06	chr4	1.85E+08		-0.16582	-2.06741	0.040204	0.942151



cg049850							
32	chr1	944439		0.175993	2.06808	0.04014	0.941757
ch.9.1872							
490F	chr9	1.21E+08		0.207999	2.065756	0.040362	0.942616
cg265328							
12	chr11	1.34E+08	IGSF9B;JAM3	-0.48078	-2.06623	0.040316	0.942616
cg058621							
14	chr7	1.3E+08		-0.17903	-2.06638	0.040302	0.942616
cg005992							
80	chr4	1.66E+08		0.235355	2.066317	0.040308	0.942616
cg165093							
55	chr4	15471240		-0.24235	-2.06963	0.039992	0.941177
cg170160							
26	chr2	45203363	PREPL	-0.20961	-2.06612	0.040327	0.942616
cg122218							
64	chr2	29127558		-0.31209	-2.06918	0.040035	0.941242
cg039126							
61	chr10	1.33E+08		-0.23448	-2.06598	0.04034	0.942616
cg036617							
75	chr6	1.54E+08		0.368314	2.065674	0.04037	0.942616
cg156613							
32	chr10	90342814		-0.289	-2.07186	0.039782	0.941014
cg057212							
30	chr6	5004418		-0.24477	-2.06526	0.04041	0.942616
cg064527							
79	chr21	44590379		-0.30062	-2.06449	0.040483	0.94273
cg265424							
12	chr1	92350568		0.264866	2.066286	0.040311	0.942616
cg131739							
09	chr2	1.29E+08		0.210848	2.066416	0.040299	0.942616
cg101596							
30	chr2	1.77E+08		0.313091	2.068537	0.040096	0.941282
cg175749			FAM83H-				
11	chr8	1.46E+08	AS1;ARHGAP39	0.297314	2.065421	0.040394	0.942616
cg043868							
39	chr1	1.59E+08		0.251645	2.067411	0.040204	0.942151
cg025797			ENSG000002241				
06	chr3	1.88E+08	87	-0.30652	-2.06596	0.040342	0.942616
cg090193							
29	chr2	1.62E+08		0.194824	2.069144	0.040039	0.941242
cg030564							
36	chr11	22647496		-0.19782	-2.06474	0.040459	0.94273
cg072194							
94	chr5	1.66E+08		-0.27809	-2.06749	0.040196	0.942151
cg048977							
13	chr8	11832762		-0.20681	-2.06489	0.040445	0.94273
cg038638							
38	chr6	36562081	CCDC167	-0.18106	-2.06604	0.040335	0.942616

cg263850						
97	chr2	438095	0.23868	2.06462	0.040471	0.94273
cg050963						
98	chr16	30621516	0.234319	2.065894	0.040348	0.942616
cg113219						
65	chr19	12780562	0.236992	2.0658	0.040357	0.942616
cg074325						
79	chr5	1.71E+08	-0.21146	-2.06709	0.040234	0.942422
cg136888						
89	chr9	1.01E+08	-0.30519	-2.06527	0.040408	0.942616
cg182732						
78	chr7	1.56E+08	-0.19066	-2.06636	0.040304	0.942616
cg206386						
83	chr6	45982569	0.300718	2.063906	0.040539	0.94273
cg169081						
23	chr1	2.44E+08 ADSS	-0.43564	-2.06524	0.040412	0.942616
cg238854						
15	chr2	71127255	0.25063	2.065518	0.040384	0.942616
cg237261						
78	chr11	1847307	0.259666	2.068815	0.04007	0.941274
cg199697						
33	chr2	1.03E+08	0.403292	2.065332	0.040402	0.942616
cg241377						
74	chr11	19372014	-0.21638	-2.06689	0.040254	0.942458
cg194782						
23	chr4	1.41E+08 RNF150	0.314668	2.066006	0.040338	0.942616
cg234540						
82	chr2	55266232	-0.24481	-2.07234	0.039736	0.941008
cg079718						
94	chr16	1500430	0.243658	2.068624	0.040088	0.941274
cg005886						
21	chr12	1.05E+08	0.351498	2.065754	0.040362	0.942616
cg005710						
90	chr4	1.23E+08	-0.20271	-2.0692	0.040033	0.941242
cg059996		ENSG000002669				
28	chr17	32612684 47;CCL2	-0.22378	-2.07007	0.039951	0.941177
cg146055						
20	chr9	1.39E+08	0.382135	2.063901	0.04054	0.94273
cg183966						
75	chr17	56605391	-0.19589	-2.06415	0.040516	0.94273
cg044698						
73	chr20	304978	0.200622	2.065002	0.040434	0.94268
cg136571						
06	chr5	53294048	0.279872	2.064574	0.040475	0.94273
cg233062						
95	chr11	64684703 NRXN2;BATF2	0.194811	2.065156	0.040419	0.942616
cg231118						
37	chr11	1.3E+08	0.272519	2.065726	0.040365	0.942616

cg048511							
69	chr5	1.75E+08		-0.32092	-2.0619	0.040732	0.943224
cg080813			DCTPP1;SEPHS2;				
90	chr16	31195218	TGFB1I1	0.254184	2.066926	0.04025	0.942458
cg011928							
69	chr4	24470951		0.266447	2.064074	0.040523	0.94273
cg174131							
20	chr12	1.32E+08		-0.21866	-2.0669	0.040252	0.942458
cg054791							
74	chr12	1.32E+08		0.255622	2.064072	0.040523	0.94273
cg101075							
29	chr4	15344779		-0.32686	-2.06568	0.040369	0.942616
cg061898							
55	chr12	88535899		-0.17115	-2.0686	0.040091	0.941274
cg249201							
45	chr6	31628350		-0.19683	-2.06397	0.040533	0.94273
cg096155							
21	chr11	1.14E+08		0.368764	2.06304	0.040622	0.943033
cg062237							
97	chr12	95644358		-0.23694	-2.06458	0.040474	0.94273
cg008584							
00	chr16	87904580	CYBA	-0.26228	-2.06931	0.040023	0.941242

			ENSG000002583				
			34;PRPH;KCNH3;				
			LIMA1;TUBA1A;				
			METTL7A;GPD1;				
			SLC11A2;CERS5;				
			TFCP2;DIP2B;FM				
			NL3;TMBIM6;BC				
			DIN3D-				
cg267953			AS1;NCKAP5L;AS				
40	chr12	50504814	IC1;SMARCD1	0.271835	2.065592	0.040377	0.942616
cg082525							
85	chr2	24931616		-0.32914	-2.06341	0.040586	0.942812
cg129903							
37	chr2	1.68E+08		0.37757	2.067807	0.040166	0.94185
cg063749							
62	chr4	1.12E+08		0.334531	2.063986	0.040531	0.94273
cg240330							
42	chr19	3286244		0.222541	2.065482	0.040388	0.942616

cg131682							
21	chr1	22962032		-0.30014	-2.06224	0.040699	0.943224
cg117513							
44	chr8	92622592		-0.34231	-2.06607	0.040332	0.942616
cg202383							
55	chr7	1.01E+08		-0.27935	-2.06431	0.0405	0.94273
cg222557							
73	chr7	1.55E+08		-0.29772	-2.06301	0.040625	0.943033
cg105555							
83	chr20	1784276		-0.1575	-2.06354	0.040574	0.94273
cg188067							
16	chr10	30721971		0.458219	2.065289	0.040406	0.942616
cg090442							
19	chr12	510474		0.316872	2.0647	0.040463	0.94273
cg205774							
77	chr8	11668491	RPS3AP34	0.356024	2.064298	0.040501	0.94273
cg262219							
41	chr4	1.88E+08		-0.35416	-2.06549	0.040387	0.942616
cg248744							
25	chr1	17846708		-0.24639	-2.06452	0.04048	0.94273
cg064906							
27	chr16	50344198	SNX20;CYLD	-0.25358	-2.06372	0.040557	0.94273
cg101937							
63	chr2	2.25E+08		-0.17678	-2.0658	0.040358	0.942616

			KIAA0141;SPRY4				
cg105882			;PCDH12;FGF1;P				
76	chr5	1.42E+08	CDH1	0.397446	2.071012	0.039862	0.941177
cg157705							
85	chr7	4762742		-0.60226	-2.06326	0.040601	0.942892
cg210564							
75	chr5	1.1E+08		-0.27241	-2.06218	0.040705	0.943224
cg184393							
58	chr17	41910968		0.271061	2.065414	0.040394	0.942616
cg240106							
13	chr17	73754373		-0.2452	-2.06471	0.040462	0.94273
cg244965							
86	chr6	33290913		-0.16703	-2.06499	0.040435	0.94268
cg071124							
56	chr7	1.02E+08		-0.26929	-2.06436	0.040495	0.94273
cg023713							
63	chr15	73617541		0.26794	2.0613	0.04079	0.943239
cg181920							
83	chr1	6086254		-0.26621	-2.06501	0.040433	0.94268
cg167381							
45	chr15	56757314		0.136106	2.065164	0.040418	0.942616
cg164045							
69	chr1	2.44E+08		0.202563	2.063645	0.040564	0.94273

cg261813							
72	chr9	1.04E+08		-0.29814	-2.06159	0.040762	0.943239
cg128841							
28	chr13	1.13E+08		-0.31678	-2.06386	0.040544	0.94273
cg050451							
61	chr15	1.02E+08		-0.25049	-2.06478	0.040456	0.94273
cg209228			SOCS2;MRPL42;				
21	chr12	94070578	SOCS2-AS1	0.290159	2.068793	0.040072	0.941274
cg114040							
58	chr5	14011843		-0.15949	-2.06524	0.040412	0.942616
cg084167							
23	chr3	1.29E+08	EFCC1	0.280803	2.064411	0.040491	0.94273
cg271002							
66	chr6	28876160		-0.24221	-2.06422	0.040508	0.94273
cg013436							
24	chr7	51842120		-0.34124	-2.06279	0.040647	0.943152
cg081706							
37	chr17	79988088	SECTM1	0.198085	2.066238	0.040316	0.942616
cg140902							
08	chr5	1632226		0.325617	2.064093	0.040521	0.94273
cg036152							
07	chr18	12702659		-0.14833	-2.06383	0.040546	0.94273
cg101367							
36	chr4	1.83E+08		0.212105	2.064323	0.040499	0.94273
cg110804							
30	chr17	16557885		0.326461	2.06423	0.040508	0.94273
cg095752							
69	chr17	41174397		-0.21792	-2.06525	0.040411	0.942616
cg154928							
34	chr1	1.62E+08	FCGR2B	-0.32467	-2.06206	0.040717	0.943224
cg083562			IQGAP2;ENSG00				
62	chr5	75838704	000249713	0.408048	2.063645	0.040564	0.94273
cg039885							
18	chr6	1.71E+08	PSMB1	-0.22823	-2.06415	0.040516	0.94273
cg099357							
66	chr7	25219892		0.158233	2.06459	0.040473	0.94273
cg203788							
37	chr7	5385295		0.25021	2.063607	0.040568	0.94273
cg143312							
81	chr10	51491984		0.198183	2.063563	0.040572	0.94273
cg039443							
75	chr1	22143533		-0.24221	-2.06446	0.040486	0.94273
cg230518							
79	chr1	1.66E+08		-0.15189	-2.06412	0.040519	0.94273
cg027556							
69	chr12	3414090		-0.19464	-2.0675	0.040196	0.942151
cg105357							
86	chr2	1.59E+08		0.150409	2.067208	0.040223	0.94236

cg191756							
49	chr17	15164120		-0.1629	-2.06236	0.040687	0.94317
cg166757							
00	chr2	69240124		-0.14622	-2.06354	0.040574	0.94273
cg182509							
16	chr5	612533		-0.15845	-2.06102	0.040817	0.943239
cg240464							
11	chr16	88717646		-0.24085	-2.066	0.040339	0.942616
cg248862							
67	chr5	1.68E+08		0.273352	2.06482	0.040451	0.94273
cg062590							
50	chr4	1.23E+08		0.30767	2.065179	0.040417	0.942616
cg075840							
77	chr2	2.41E+08		0.21661	2.063161	0.040611	0.943008
cg145771							
74	chr6	39696745		-0.31363	-2.06577	0.04036	0.942616

			ZKSCAN1;BAIAP				
			2L1;ZNF3;KPNA7				
			;AP4M1;MCM7;				
			BRI3;BUD31;CPS				
			F4;ZNF655;TME				
			M130;ZSCAN25;				
			ENSG000002729				
cg147691							
21	chr7	98722470	50	0.403746	2.066688	0.040273	0.942616
cg050845							
25	chr8	1.3E+08		-0.37944	-2.06518	0.040417	0.942616
cg171942							
40	chr8	48651122		0.124841	2.066931	0.040249	0.942458
cg264826							
09	chr19	47223398		0.218049	2.062021	0.04072	0.943224
cg141848							
66	chr9	82185137		0.329697	2.063633	0.040565	0.94273
cg091309							
63	chr1	55353157		0.197804	2.061963	0.040726	0.943224
cg088492							
94	chr7	2758014	SDK1	-0.21324	-2.06469	0.040464	0.94273
cg095499							
49	chr2	2.4E+08		-0.22043	-2.06396	0.040534	0.94273
cg007751							
19	chr2	1.53E+08		-0.30309	-2.06386	0.040544	0.94273
cg164381			NOTUM;OXLD1;				
82	chr17	78916567	RNF213	0.311279	2.064287	0.040502	0.94273
cg074836							
50	chr1	2.49E+08		-0.36367	-2.06072	0.040846	0.943239

cg077268							
08	chr22	50646944	PIM3	0.26316	2.061731	0.040748	0.943239
cg029452							
66	chr22	22337468		0.343221	2.062291	0.040694	0.943224
cg086701							
36	chr17	45810379		0.1746	2.065649	0.040372	0.942616
cg054716							
02	chr11	1.29E+08		-0.48997	-2.06252	0.040673	0.943152
cg186859							
95	chr2	44588913		-0.21928	-2.06723	0.040221	0.942358
cg149072							
62	chr12	1.33E+08		-0.25408	-2.06285	0.04064	0.943152
cg057137							
53	chr13	1.11E+08		-0.21099	-2.06571	0.040366	0.942616
cg266726							
14	chr22	39548389		0.139118	2.063238	0.040603	0.942894
cg026306							
77	chr8	3102222		0.363991	2.062503	0.040674	0.943152

			JAK3;GDF15;FCH O1;UPF1;MAST3 ;FAM129C;B3GN				
cg083795							
17	chr19	18509505	T3	-0.36182	-2.06377	0.040552	0.94273
cg088854							
49	chr3	11888484		0.205503	2.063492	0.040579	0.942743
cg234888							
04	chr17	42393982		0.233981	2.061283	0.040792	0.943239
cg005552							
68	chr20	62202358	SLC17A9	-0.25679	-2.06402	0.040528	0.94273
cg012099							
30	chr5	37868169		0.212564	2.065451	0.040391	0.942616
cg241233							
11	chr19	48675164		0.565979	2.060737	0.040844	0.943239
cg157485							
07	chr10	1.2E+08		0.248939	2.061987	0.040724	0.943224
cg052863							
48	chr19	16641544		0.231154	2.061968	0.040725	0.943224
cg196044							
88	chr19	55850138	ZNF865	-0.18437	-2.06335	0.040592	0.942863
cg138034							
55	chr11	1.18E+08		-0.23414	-2.06146	0.040775	0.943239
cg049714							
01	chr5	1.3E+08		-0.33754	-2.06154	0.040767	0.943239
cg061511							
71	chr2	24712362		-0.34161	-2.06198	0.040724	0.943224
cg231955							
47	chr11	8740646		-0.17006	-2.0626	0.040665	0.943152

cg022986			TMEM231;ENSG 00000262583;LD HD;MLKL;CFDP1; CHST6;ENSG000 00203472;CHST				
12	chr16	75528459	5	0.311029	2.062806	0.040645	0.943152
cg026756							
52	chr12	51477739		0.269132	2.063272	0.0406	0.942892

cg003977			AFAP1L2;ATRNL 1;CASP7;ADRB1; DCLRE1A;C10orf				
64	chr10	1.16E+08	118	0.214603	2.065843	0.040353	0.942616
cg027206							
83	chr6	31671215		0.120758	2.061273	0.040792	0.943239

cg009988			MAPKAPK3;IFRD 2;CDHR4;P4HTM				
13	chr3	49894005	;RASSF1	-0.18075	-2.06167	0.040754	0.943239
cg048332							
10	chr12	1.14E+08		-0.18712	-2.06287	0.040638	0.943152
cg024303							
47	chr5	1.41E+08		-0.23504	-2.06369	0.040559	0.94273
cg030777							
12	chr17	7138739		-0.19603	-2.06121	0.040798	0.943239
cg082990							
63	chr6	28677698		0.296741	2.065038	0.04043	0.94268
cg230581							
85	chr10	8095985	SFMBT2	-0.27994	-2.0654	0.040396	0.942616
cg085884							
14	chr6	1.69E+08		0.326141	2.061846	0.040737	0.943234
cg139066							
46	chr6	1.67E+08		-0.17296	-2.06874	0.040077	0.941274

cg159899			SCARB1;PITPNM				
26	chr12	1.25E+08	2;FAM101A	-0.3044	-2.06577	0.040361	0.942616
cg146955							
24	chr6	31165512		-0.21475	-2.06047	0.04087	0.943239
cg229161							
09	chr15	78730334		0.261887	2.059701	0.040944	0.943239
cg190536							
86	chr7	43479485		-0.31901	-2.06477	0.040456	0.94273



cg132294							
94	chr1	1E+08		-0.15376	-2.06259	0.040666	0.943152
cg027676							
65	chr12	1.3E+08		-0.28614	-2.06271	0.040654	0.943152
cg216474							
73	chr3	1.37E+08		0.155469	2.062591	0.040665	0.943152
cg110137							
26	chr15	65116557		0.371597	2.059546	0.040959	0.943239
cg146856							
12	chr10	1.06E+08		-0.4053	-2.06201	0.040721	0.943224
cg258651							
08	chr6	45559104		0.294127	2.061185	0.040801	0.943239
cg146287							
08	chr7	1.07E+08	NRCAM	0.242875	2.063073	0.040619	0.943033
cg010407							
49	chr10	1.34E+08		-0.30034	-2.06262	0.040662	0.943152
cg146138							
78	chr20	35504198	EPB41L1;SRC	-0.22192	-2.06094	0.040825	0.943239
cg209144							
88	chr13	1.13E+08		-0.24003	-2.06754	0.040192	0.942151
cg157830			ENSG000002549				
27	chr8	1.46E+08	73;ZNF623	0.190728	2.061507	0.04077	0.943239
cg262485							
37	chr1	8376216		0.167309	2.063099	0.040617	0.943033
cg052270							
55	chr16	89105031		-0.26749	-2.06512	0.040423	0.942651
cg019266							
46	chr7	11675931		0.236651	2.062418	0.040682	0.94317
cg202281							
15	chr3	1.68E+08	EGFEM1P	-0.1842	-2.06047	0.04087	0.943239
cg205352							
99	chr2	97137216		-0.2732	-2.06206	0.040717	0.943224
cg167683							
20	chr17	57966691		0.275242	2.062555	0.040669	0.943152
cg223952							
50	chr11	62495981		0.189723	2.063764	0.040553	0.94273
cg214098							
29	chr1	2850859		-0.2528	-2.05911	0.041002	0.943239
cg015010			ZIK1;ZNF549;ZN				
09	chr19	57183268	F542;ZNF134;ZN	0.374675	2.060389	0.040878	0.943239
cg264264			F667;ZNF667-				
70	chr5	1.69E+08	AS1;PEG3	0.309263	2.061313	0.040789	0.943239
cg118719							
60	chr14	97058777		0.395184	2.062103	0.040712	0.943224

cg049175							
76	chr12	67337583		-0.33289	-2.06236	0.040688	0.94317
cg229319							
50	chr6	1.33E+08		0.199447	2.064049	0.040525	0.94273
cg115732							
19	chr1	32083031	MTMR9LP	-0.20507	-2.06269	0.040656	0.943152
cg019950							
67	chr16	863240		0.294422	2.063678	0.040561	0.94273
cg015665							
93	chr7	44574134		0.167396	2.062556	0.040669	0.943152
cg238728							
93	chr8	99917510		0.208785	2.061118	0.040807	0.943239
cg245267							
60	chr5	1.71E+08		-0.34347	-2.0601	0.040906	0.943239
cg023972							
05	chr12	1.18E+08	TESC	0.233572	2.062783	0.040647	0.943152
cg180227							
74	chr7	1.57E+08		-0.31512	-2.06228	0.040695	0.943224
cg107218							
34	chr19	22990066		0.402986	2.05941	0.040973	0.943239

			FAM92B;HSDL1; DNAAF1;MBTPS 1;C16orf74;USP1 0;WFDC1;ENSG0				
cg020114							
30	chr16	85010597	0000262601	0.284691	2.061623	0.040759	0.943239
cg160558							
69	chr4	74864612		0.294308	2.061358	0.040784	0.943239
cg033915							
68	chr3	46918266		-0.15333	-2.06069	0.040849	0.943239
cg096403							
00	chr6	7641144		-0.40017	-2.06129	0.040791	0.943239
cg062393							
55	chr5	32714010		0.224691	2.06242	0.040682	0.94317
cg252357							
66	chr19	54485494		0.444806	2.062678	0.040657	0.943152
cg072409							
37	chr1	1.54E+08		-0.15528	-2.06037	0.04088	0.943239
cg227956							
10	chr17	4803422		0.200178	2.060074	0.040908	0.943239
cg224056							
53	chr21	32128800		-0.34322	-2.0604	0.040876	0.943239
cg218304							
59	chr22	17680563		-0.34583	-2.06403	0.040527	0.94273
cg064950							
60	chr1	1.83E+08		-0.22269	-2.0611	0.040809	0.943239

cg019159							
51	chr20	62130500	-0.19707	-2.05976	0.040939	0.943239	
cg022575							
33	chr15	43425591	-0.21157	-2.06106	0.040813	0.943239	
cg131247							
88	chr6	33281942	-0.20607	-2.0625	0.040674	0.943152	
cg096447							
07	chr12	1.15E+08 RBM19	-0.23251	-2.06157	0.040763	0.943239	
cg275323							
31	chr8	51404106	-0.28828	-2.05985	0.04093	0.943239	
cg213576							
21	chr3	1.84E+08	-0.23641	-2.06334	0.040593	0.942863	
cg183502							
49	chr6	90378501	-0.32864	-2.06022	0.040894	0.943239	
cg211148							
40	chr21	40752097	-0.20928	-2.06391	0.040538	0.94273	
cg190054							
85	chr3	1.97E+08	-0.44506	-2.06263	0.040662	0.943152	
cg154874							
98	chr1	2.3E+08	0.254788	2.062389	0.040685	0.94317	
cg206080							
75	chr2	1.05E+08	-0.24936	-2.06203	0.040719	0.943224	
cg123512							
96	chr7	25189282	-0.23442	-2.06024	0.040892	0.943239	
cg038041							
48	chr17	1465813	-0.18074	-2.06002	0.040913	0.943239	
cg189016							
44	chr4	8582227	0.299908	2.060578	0.04086	0.943239	
cg165618							
93	chr6	85483536	0.287117	2.060843	0.040834	0.943239	
cg152268							
08	chr6	1.25E+08	-0.22558	-2.05977	0.040938	0.943239	
cg187868		KCNA3;CSF1;KC					
73	chr1	1.11E+08 NA2	0.270278	2.062992	0.040627	0.943033	
cg141856							
26	chr21	47401492	-0.27443	-2.06	0.040915	0.943239	
cg161394							
01	chr13	99852615	-0.16976	-2.06056	0.040862	0.943239	
cg047743		ZCWPW1;ZKSCA					
34	chr7	99647362 N1	-0.13456	-2.06213	0.04071	0.943224	
cg096459							
93	chr5	77289836	0.255952	2.060042	0.040911	0.943239	
cg171545							
42	chr10	1.04E+08	0.302888	2.059298	0.040984	0.943239	
cg162260							
04	chr7	70255985	0.311655	2.060832	0.040835	0.943239	
cg061457							
36	chr3	1.44E+08	0.334742	2.063953	0.040535	0.94273	

cg209522							
57	chr5	1.71E+08	GABRP	-0.26161	-2.06414	0.040516	0.94273
cg043410							
65	chr3	8889974		-0.23997	-2.05872	0.041039	0.943239
cg160832							
02	chr7	1.27E+08		-0.3015	-2.06074	0.040844	0.943239
cg051220							
82	chr14	20710905		-0.37157	-2.06699	0.040244	0.942458
cg025140							
00	chr7	70702212		0.358946	2.063024	0.040624	0.943033
cg180786							
58	chr12	72374129		-0.3071	-2.05914	0.040999	0.943239
cg209879							
38	chr7	1.55E+08		0.255823	2.058672	0.041044	0.943239
cg138272							
12	chr7	99036343		-0.15089	-2.06068	0.04085	0.943239
cg204800							
70	chr10	1.32E+08		-0.18693	-2.05884	0.041028	0.943239
cg268102							
30	chr10	1.35E+08		0.327389	2.060069	0.040909	0.943239
cg090271			MAN1C1;AIM1L;				
33	chr1	25945042	MTFR1L	0.303832	2.06001	0.040915	0.943239
cg106367							
60	chr1	2904595		-0.25816	-2.06163	0.040758	0.943239
cg102661							
89	chr15	45000293		-0.27694	-2.06087	0.040831	0.943239
cg022668			WDR24;METRN;				
78	chr16	825525	HBA1	-0.18327	-2.06188	0.040734	0.943224
cg245237							
58	chr2	1.82E+08		-0.17839	-2.06236	0.040687	0.94317
cg268437							
11	chr5	1.41E+08	PCDHGA5	0.283883	2.06016	0.0409	0.943239
cg186911							
33	chr19	54377440		-0.2699	-2.06293	0.040632	0.94311
cg089924							
99	chr3	63956514		0.266493	2.061803	0.040741	0.943234
cg037690							
55	chr6	30124804		0.230401	2.058699	0.041042	0.943239
cg208470							
39	chr13	48388426		-0.24197	-2.06025	0.040891	0.943239
cg268836							
50	chr2	2.18E+08		-0.24412	-2.06074	0.040844	0.943239
cg076401							
17	chr22	17440855		-0.22623	-2.06356	0.040573	0.94273
cg018054							
93	chr17	40979684		-0.34837	-2.05997	0.040918	0.943239
cg082901							
08	chr10	77054841		-0.14436	-2.0593	0.040983	0.943239

cg221638							
12	chr12	1.33E+08		0.18408	2.061123	0.040807	0.943239
cg053198							
80	chr12	1.01E+08		0.156343	2.061115	0.040808	0.943239
cg218989							
44	chr12	1.31E+08		0.406337	2.05948	0.040966	0.943239
cg087711							
14	chr11	1043852	MRPL23	-0.31849	-2.06018	0.040898	0.943239
cg256012							
29	chr1	1.1E+08	CYB561D1	0.178429	2.059308	0.040983	0.943239
cg096467							
60	chr10	2896262		-0.23408	-2.06151	0.040769	0.943239
cg274624			FARP1;CLYBL;TM				
75	chr13	99736304	9SF2;DOCK9	0.286088	2.064526	0.04048	0.94273
cg191765			HDAC5;DCAKD;K				
53	chr17	43049895	IF18B	-0.32282	-2.06013	0.040903	0.943239
cg041448							
59	chr8	1.45E+08		-0.23172	-2.05958	0.040956	0.943239
cg122075			OR5P3;RPL27A; OR5E1P;ENSG00				
32	chr11	8040463	000248332;SYT9	-0.22823	-2.0596	0.040954	0.943239
cg162442							
48	chr10	1.35E+08		-0.20588	-2.06314	0.040613	0.943008
cg126108							
67	chr12	52445276		-0.19077	-2.06348	0.04058	0.942743
cg071316							
55	chr3	49907414		0.206065	2.059151	0.040998	0.943239
cg151699							
43	chr8	71068363		0.303592	2.059022	0.04101	0.943239
cg118727							
76	chr17	78061645	RNF213	-0.26363	-2.05849	0.041062	0.943444
cg091701							
12	chr12	1.32E+08	NOC4L	-0.36966	-2.06165	0.040756	0.943239
cg247321			ZNF667- AS1;ZNF667;ZNF 471;PEG3;ZNF54				
37	chr19	56988702	2	0.269337	2.059771	0.040938	0.943239
cg137656							
21	chr1	1.58E+08		-0.19628	-2.05996	0.040919	0.943239
cg207274							
34	chr5	1.71E+08		0.300417	2.05916	0.040997	0.943239
cg089459							
88	chr1	1.1E+08		-0.19766	-2.0595	0.040964	0.943239

cg009419			EML1;DEGS2;ME				
00	chr14	1.01E+08	G3	-0.31333	-2.05766	0.041143	0.943952
cg055163							
27	chr11	1470322		-0.27788	-2.05871	0.04104	0.943239
cg226789							
58	chr3	1.58E+08		-0.17559	-2.05954	0.04096	0.943239
cg265699							
14	chr2	2.4E+08		0.306799	2.059689	0.040946	0.943239
cg124986			ENSG000002206				
54	chr6	1.39E+08	00	-0.16443	-2.06082	0.040836	0.943239
cg178229							
11	chr8	1.46E+08		-0.22972	-2.06013	0.040903	0.943239
cg004171							
47	chr12	1.26E+08	DHX37	0.30133	2.057365	0.041171	0.944081
cg112037							
14	chr6	31588231		-0.16059	-2.05688	0.041219	0.944104
cg130452							
66	chr8	1.11E+08		-0.25227	-2.05832	0.041078	0.943511
cg173134							
32	chr13	1.1E+08		-0.27912	-2.06369	0.04056	0.94273
cg127565							
21	chr8	1.31E+08		0.139905	2.058704	0.041041	0.943239
cg119166							
78	chr18	44141409		-0.19438	-2.0591	0.041003	0.943239
cg082040							
27	chr16	84224732		0.343842	2.059866	0.040928	0.943239
cg086940							
14	chr16	68482591		0.199087	2.057481	0.04116	0.943974
cg185573							
87	chr12	1.02E+08		-0.30548	-2.0592	0.040993	0.943239
cg000198							
77	chr9	1.16E+08		-0.31694	-2.05691	0.041215	0.944104
cg069842							
01	chr5	1510512		-0.23618	-2.06142	0.040779	0.943239
cg031753							
05	chr3	1.8E+08		0.165491	2.060574	0.04086	0.943239
cg164312							
33	chr17	61518244		0.245928	2.0579	0.041119	0.943854
cg248030							
30	chr11	62011966		0.211226	2.05893	0.041019	0.943239
cg162073							
47	chr12	31770712		-0.27303	-2.05941	0.040973	0.943239
cg110120							
61	chr5	1.46E+08		0.224107	2.059297	0.040984	0.943239
cg173552							
39	chr1	15736135		0.180359	2.065226	0.040412	0.942616
cg010076							
65	chr17	66243584	SNORA38B	0.172539	2.059559	0.040958	0.943239

cg213207							
68	chr13	50070766	CYSLTR2	0.239876	2.058159	0.041094	0.943646
cg129527							
36	chr7	1.28E+08		0.205373	2.059267	0.040987	0.943239
cg146164							
79	chr3	1.56E+08		-0.15897	-2.05887	0.041025	0.943239
cg205927							
66	chr2	1.1E+08		0.268166	2.057062	0.041201	0.944104
cg206750							
19	chr7	1.4E+08		-0.15369	-2.05914	0.040999	0.943239
cg168135							
07	chr10	98792053	SFRP5	-0.2629	-2.05982	0.040933	0.943239
cg226169							
33	chr7	86547833		-0.3331	-2.05788	0.041121	0.943854
cg220478							
25	chr15	99640892		-0.16026	-2.05815	0.041095	0.943646
cg163139							
10	chr5	1.57E+08	NIPAL4	-0.40036	-2.05986	0.040929	0.943239
cg088440							
35	chr3	48671337		-0.13926	-2.06047	0.04087	0.943239
cg159363							
85	chr11	2405835	IGF2;NAP1L4	-0.36116	-2.0598	0.040935	0.943239
cg122241							
31	chr2	1.61E+08		0.401344	2.059695	0.040945	0.943239
cg248061							
95	chr6	1.64E+08		0.329924	2.05789	0.04112	0.943854
cg079814							
48	chr10	95937216		-0.25578	-2.0597	0.040945	0.943239
cg179343							
67	chr7	91764186		0.118728	2.05663	0.041243	0.944305
cg234198							
85	chr5	1.4E+08		0.318601	2.059168	0.040996	0.943239
cg110394			MYO7B;LIMS2;BI				
76	chr2	1.28E+08	N1;GPR17;GYPC	0.329062	2.06154	0.040767	0.943239
cg027838							
38	chr10	11248175		-0.21859	-2.05965	0.040949	0.943239
cg126539							
22	chr1	2.36E+08		-0.31511	-2.06058	0.040859	0.943239
cg102910							
05	chr7	70417419		-0.18128	-2.05835	0.041075	0.943511
cg017874							
94	chr8	27778850		-0.24559	-2.05704	0.041203	0.944104
cg085504							
35	chr4	23829879		0.299495	2.057992	0.04111	0.943797
cg219087							
96	chr3	39448086		-0.17667	-2.05743	0.041165	0.943993
cg270818							
21	chr19	8405337		0.210167	2.058418	0.041069	0.943511

cg249037							
94	chr1	2.2E+08		-0.1775	-2.06191	0.040731	0.943224
cg058816							
82	chr3	95402607		-0.29102	-2.06147	0.040773	0.943239
cg070152							
56	chr6	32800541		0.267097	2.058041	0.041105	0.94379
cg092580							
82	chr22	41791815		0.242815	2.060694	0.040848	0.943239
cg028854							
28	chr6	1.68E+08		-0.19955	-2.05507	0.041395	0.944336
cg060686							
27	chr3	1.56E+08		-0.21436	-2.05566	0.041337	0.944336
cg046608							
16	chr16	47178070		0.165251	2.058681	0.041043	0.943239
cg052173							
31	chr2	2.31E+08		-0.25418	-2.05752	0.041156	0.943966
cg227804							
28	chr1	1.12E+08		-0.20825	-2.05701	0.041206	0.944104
cg266342							
19	chr17	46608277	COPZ2;HOXB3	0.392383	2.058622	0.041049	0.943255
cg256010							
40	chr4	13540236		0.232696	2.057568	0.041151	0.943952
cg197679							
59	chr16	71460337		0.314888	2.058652	0.041046	0.943239
cg186048							
23	chr19	56687364		0.346931	2.059176	0.040995	0.943239
cg209787							
21	chr13	1.13E+08		0.359479	2.05732	0.041176	0.944104
cg045890							
27	chr6	30483956		-0.29167	-2.0618	0.040741	0.943234
cg031484							
61	chr7	1.41E+08		-0.2891	-2.05656	0.041249	0.944326
cg021350							
77	chr8	1.04E+08		-0.26548	-2.05743	0.041165	0.943993
cg228502							
34	chr17	66016097		-0.21259	-2.06113	0.040806	0.943239
cg268126							
15	chr12	1.17E+08		-0.35402	-2.05679	0.041227	0.944207
cg267068							
11	chr17	7452342		-0.12109	-2.05907	0.041005	0.943239
cg006661							
24	chr2	54756403		-0.27984	-2.05779	0.04113	0.943949
cg000556							
79	chr13	79170430		0.25667	2.056895	0.041217	0.944104
cg038201							
20	chr5	1.16E+08		-0.25003	-2.06014	0.040902	0.943239
cg195256							
02	chr19	18717742		-0.15749	-2.05876	0.041035	0.943239
cg247779							
50	chr14	25046121		-0.22864	-2.06223	0.0407	0.943224



cg145649			HLA-DMA;TAPSAR1;H				
56	chr6	33334602	LA-DMB;HLA-DOA	-0.24732	-2.05557	0.041346	0.944336
cg083533							
08	chr6	90234227		0.223967	2.058337	0.041077	0.943511
cg077539			ENSG0000002699				
39	chr16	2374515	37	0.26771	2.05712	0.041195	0.944104
cg129040							
78	chr20	61719188	OSBPL2	-0.29318	-2.05806	0.041103	0.943789
cg150974							
22	chr3	13597750		0.260184	2.059731	0.040942	0.943239
cg067684							
37	chr17	28715545		0.229783	2.058688	0.041043	0.943239
cg035936							
69	chr6	1.22E+08		0.432007	2.057508	0.041157	0.943966
cg076699							
73	chr10	1.35E+08		-0.29742	-2.05667	0.041239	0.944305
cg115737							
07	chr4	3341937		0.258207	2.057605	0.041148	0.943952
cg190422							
87	chr6	1.08E+08		0.269502	2.056537	0.041252	0.944326
cg252919							
78	chr6	1.44E+08		0.296623	2.057124	0.041195	0.944104
cg194860							
48	chr8	1.42E+08		-0.16445	-2.05997	0.040919	0.943239
cg247530							
61	chr18	19752362		0.277063	2.056681	0.041238	0.944305
cg224094							
20	chr18	53255401		-0.18983	-2.05904	0.041009	0.943239
cg180815							
01	chr17	55121964		0.237772	2.058919	0.04102	0.943239
cg008266							
15	chr2	1.21E+08		-0.17129	-2.056	0.041304	0.944336
cg198644							
90	chr1	1.66E+08		0.175855	2.059655	0.040949	0.943239
cg055963							
83	chr1	47799304	CYP4Z2P	0.191687	2.056958	0.041211	0.944104
cg174239							
78	chr20	1539641		-0.26038	-2.05765	0.041143	0.943952
cg053788							
61	chr20	61803065		-0.27727	-2.05549	0.041354	0.944336
cg262887							
48	chr6	33257542		-0.18029	-2.05951	0.040963	0.943239
cg061978							
70	chr3	1.94E+08		-0.31118	-2.05816	0.041094	0.943646
cg119083							
84	chr11	1.23E+08		0.272028	2.059722	0.040942	0.943239

cg038233							
52	chr11	1E+08		-0.25749	-2.05934	0.04098	0.943239
cg263325							
34	chr10	92618063		-0.26652	-2.06122	0.040798	0.943239
cg180420							
79	chr17	30229074		-0.20952	-2.05855	0.041056	0.943361
cg249502							
33	chr4	1.74E+08		0.246181	2.063466	0.040581	0.942743
cg239686							
76	chr11	1.19E+08		0.178323	2.056027	0.041302	0.944336
cg167027							
74	chr17	77771036		-0.12204	-2.0576	0.041148	0.943952
cg045745							
07	chr1	1.58E+08 FCER1A		-0.26395	-2.0572	0.041187	0.944104
cg093455							
55	chr4	29119213		-0.23846	-2.05938	0.040976	0.943239
cg180221							
93	chr19	913536		-0.23582	-2.0588	0.041032	0.943239
cg126603							
64	chr7	44788915		-0.14261	-2.0554	0.041362	0.944336
cg083135							
39	chr6	1.27E+08 RSPO3		0.361608	2.057576	0.041151	0.943952
cg071611							
40	chr13	1.14E+08		-0.20087	-2.05712	0.041195	0.944104
cg099896			C11orf21;TSPAN				
81	chr11	1892043 32;LSP1		0.207134	2.054974	0.041404	0.944336
cg103128							
41	chr16	85212827		-0.20221	-2.05763	0.041145	0.943952
cg090146							
26	chr5	2990194		0.376371	2.057627	0.041146	0.943952
cg229465							
62	chr2	1880012		-0.31751	-2.05564	0.04134	0.944336
cg184771							
66	chr2	19131738		0.3524	2.055598	0.041343	0.944336
cg129134							
29	chr14	73360857		0.216616	2.056251	0.04128	0.944336
cg150503							
10	chr11	86617582		0.421268	2.055109	0.041391	0.944336
cg091019							
58	chr16	31885118		-0.14783	-2.05672	0.041234	0.944305
cg080113			HSDL1;MBTPS1;				
35	chr16	84005393 DNAAF1		0.247122	2.057853	0.041124	0.943855
cg200548							
52	chr7	1.27E+08		0.264864	2.0604	0.040877	0.943239
cg192405							
84	chr7	91538986		-0.16988	-2.05437	0.041464	0.944583
cg127269							
27	chr4	7941431		-0.21825	-2.05759	0.04115	0.943952

cg141754							
53	chr2	1.07E+08		-0.28247	-2.06035	0.040882	0.943239
cg223482							
98	chr8	17580950		0.313733	2.056339	0.041271	0.944336
cg038840							
18	chr16	26044240		0.223057	2.055182	0.041384	0.944336
cg002407							
34	chr6	1.18E+08		-0.17582	-2.05607	0.041298	0.944336
cg171858							
23	chr8	11324806		0.172851	2.05566	0.041337	0.944336

			UNC79;PPP4R4;F				
cg165777			AM181A-				
89	chr14	94186558	AS1;LGMN	-0.35239	-2.0535	0.041549	0.944583
cg035889							
70	chr6	1.08E+08		0.198123	2.054714	0.04143	0.944583
cg042994							
95	chr5	1.81E+08		-0.23951	-2.05945	0.040968	0.943239
cg032636							
37	chr8	1.24E+08		-0.28369	-2.05885	0.041027	0.943239
cg060357							
02	chr1	1.12E+08		0.219546	2.055766	0.041327	0.944336
cg074052							
59	chr10	1.34E+08		-0.27445	-2.05834	0.041076	0.943511
cg181758							
08	chr1	63786271		0.254502	2.057999	0.04111	0.943797
cg021850							
52	chr10	94452480		0.284141	2.057186	0.041189	0.944104
cg071005							
32	chr18	713085		0.680158	2.053961	0.041503	0.944583
cg214040							
45	chr7	27232412		-0.18997	-2.05538	0.041364	0.944336
cg060871							
85	chr6	29521499		0.461818	2.055168	0.041385	0.944336
cg069146							
93	chr12	1.04E+08		-0.2468	-2.05567	0.041336	0.944336
cg000792							
16	chr12	6716557		-0.19028	-2.05516	0.041386	0.944336
cg067530							
92	chr7	44795231	YKT6	-0.13432	-2.0583	0.04108	0.943511
cg182466							
40	chr10	1.12E+08	ADD3	-0.21151	-2.06066	0.040852	0.943239
cg008270							
08	chr16	35026985		0.327516	2.054173	0.041483	0.944583
cg135253							
33	chr11	1.17E+08		-0.14176	-2.05649	0.041256	0.944336
cg244019							
92	chr17	16838236		-0.26105	-2.0551	0.041392	0.944336

cg253566							
21	chr12	74686282		-0.30779	-2.0548	0.041421	0.944583
cg041727							
71	chr8	50892702		0.333355	2.056113	0.041293	0.944336
cg004348							
85	chr2	1.2E+08 DBI		-0.27673	-2.05603	0.041301	0.944336
cg213003							
82	chr19	13248092		-0.34455	-2.05405	0.041495	0.944583
cg079236			RACGAP1;TUBA1				
66	chr12	49932857 C		-0.14794	-2.0584	0.041071	0.943511
cg204679			FDXR;SLC9A3R1; MRPS7;SLC16A5;				
29	chr17	72321958 ICT1		0.340662	2.056239	0.041281	0.944336
cg054491							
08	chr17	114319		0.722494	2.055218	0.041381	0.944336
cg173385							
01	chr3	1.54E+08		-0.21737	-2.05524	0.041379	0.944336
cg018002							
97	chr5	1.13E+08		-0.2693	-2.05656	0.04125	0.944326
cg193040							
96	chr11	9629860		-0.17949	-2.05696	0.04121	0.944104
cg009567							
59	chr17	30023399		0.281111	2.057019	0.041205	0.944104
cg230275							
09	chr22	50964208		-0.1762	-2.05303	0.041594	0.944583
cg099823							
47	chr14	34825556		-0.20651	-2.05756	0.041152	0.943952
cg139465							
20	chr2	87017689		0.318439	2.055558	0.041347	0.944336
cg041121							
06	chr16	66972013		-0.16168	-2.05554	0.041349	0.944336
cg075138							
14	chr2	2.33E+08 B3GNT7		0.219131	2.056322	0.041273	0.944336
cg215127							
73	chr2	1.28E+08		0.212701	2.057876	0.041122	0.943854
cg089060							
30	chr16	88625292 PIEZO1		0.240322	2.059219	0.040991	0.943239
cg227857							
50	chr14	23067727		-0.17475	-2.05548	0.041355	0.944336
cg086511							
87	chr1	59726071		-0.19218	-2.05884	0.041028	0.943239
cg275256							
36	chr7	1.57E+08		-0.26166	-2.05569	0.041335	0.944336
cg272271							
00	chr3	51977385		-0.15925	-2.055	0.041402	0.944336
cg228829							
02	chr12	1.33E+08		0.254295	2.058187	0.041091	0.943646

cg16768018	chr3	1.47E+08		0.449997	2.055609	0.041342	0.944336
cg12032359	chr15	40986923		-0.13131	-2.05528	0.041375	0.944336
cg09123455	chr16	69362128	TANGO6;SNTB2	-0.32718	-2.05577	0.041327	0.944336
cg22700015	chr1	2.29E+08		-0.64745	-2.05356	0.041542	0.944583
cg03369807	chr4	94748860		0.214158	2.054623	0.041439	0.944583
cg21383891	chr17	33569747		0.153157	2.056144	0.04129	0.944336
cg26283098	chr17	10021690		0.229124	2.056966	0.04121	0.944104
cg03705962	chr7	1.12E+08		-0.34528	-2.0552	0.041383	0.944336
cg01530024	chr4	5458553		-0.34317	-2.05729	0.041179	0.944104
cg08502511	chr3	37439796		0.248165	2.054494	0.041451	0.944583
cg00666849	chr2	85839032		-0.21894	-2.0551	0.041392	0.944336
cg08838364	chr16	89884347		-0.26207	-2.05457	0.041443	0.944583
cg20203915	chr3	1.88E+08	MASP1	-0.1574	-2.05571	0.041333	0.944336
cg02976617	chr5	1.03E+08	NUDT12	0.610299	2.054377	0.041463	0.944583
cg22620414	chr3	10806133		0.258946	2.05499	0.041403	0.944336
cg17137063	chr1	6554877		-0.13981	-2.05694	0.041212	0.944104
cg20809378	chr11	43569555		0.396726	2.055022	0.0414	0.944336
cg26813096	chr1	2.3E+08		-0.23903	-2.05538	0.041364	0.944336
cg20430077	chr10	1.03E+08		0.266189	2.05435	0.041465	0.944583
cg25952886	chr17	31320651		0.22301	2.054645	0.041437	0.944583
cg06552618	chr12	54582532		0.234056	2.054175	0.041483	0.944583
cg07291601	chr11	2922807	MRPL23;CARS;E NSG0000025536 7;IGF2	0.369834	2.057156	0.041192	0.944104
cg13982446	chr9	1.41E+08		-0.18203	-2.05448	0.041452	0.944583

cg020993						
90	chr3	31959312		0.341493	2.053251	0.041573 0.944583
cg040972						
19	chr5	1.43E+08		0.206194	2.061881	0.040734 0.943224
cg033087						
06	chr7	91763433		0.149988	2.055152	0.041387 0.944336
cg104782						
21	chr16	679917		-0.19743	-2.05253	0.041644 0.944853
cg141521						
39	chr19	22469368		0.265827	2.05365	0.041534 0.944583
cg069686						
88	chr17	80228520		0.159956	2.055789	0.041325 0.944336
cg192379						
23	chr1	1.57E+08		0.263581	2.05199	0.041697 0.945186
cg260975						
73	chr20	4721490		0.354179	2.056428	0.041262 0.944336
cg068526						
05	chr17	76422640		-0.27363	-2.05411	0.041489 0.944583
cg068149						
44	chr3	8702782 LMCD1		0.186513	2.053957	0.041504 0.944583
cg133626						
37	chr5	1.5E+08		-0.3214	-2.05334	0.041564 0.944583
cg010049						
18	chr1	2731370		-0.2314	-2.05453	0.041447 0.944583
cg027202						
07	chr10	69644399		0.165394	2.055597	0.041344 0.944336
cg273704		ENSG000002554				
61	chr11	1.12E+08 28		-0.16504	-2.05517	0.041385 0.944336
cg095482						
41	chr1	33172509 LCK;MARCKSL1		0.258635	2.055316	0.041371 0.944336
cg177514						
14	chr1	1.86E+08		-0.36033	-2.05344	0.041555 0.944583
cg028984						
23	chr4	1.89E+08		-0.20413	-2.05679	0.041227 0.944207
cg256919						
27	chr17	80571664 WDR45B;TBCD		-0.33731	-2.06011	0.040905 0.943239
cg069668						
11	chr14	57276789		0.282067	2.052182	0.041678 0.945012
cg174610						
03	chr2	1.02E+08		-0.29694	-2.05329	0.041569 0.944583
cg139790						
66	chr1	25757282		0.204388	2.053591	0.04154 0.944583
cg268651						
27	chr12	51785378		-0.14582	-2.05425	0.041476 0.944583
cg236307						
58	chr17	78857712		-0.30631	-2.05321	0.041577 0.944583
cg135293						
35	chr9	2157942		0.160837	2.053491	0.04155 0.944583
cg016494						
97	chr8	2585235		0.574547	2.052743	0.041623 0.944709

cg084823							
59	chr7	622834		0.304645	2.053651	0.041534	0.944583
cg022738							
27	chr5	35938675		0.288159	2.055781	0.041326	0.944336
cg121465							
46	chr17	6616883		0.155823	2.055045	0.041397	0.944336
cg269632							
72	chr18	77462296		0.214295	2.055727	0.041331	0.944336
cg009375							
10	chr5	87565469		0.380319	2.052853	0.041612	0.944618
cg091871							
63	chr7	72721838	TBL2;EIF4H	-0.19622	-2.05382	0.041517	0.944583
cg141867							
79	chr9	1.39E+08	PMPCA	-0.19986	-2.05289	0.041609	0.944618
cg072440							
98	chr11	4415203		0.294598	2.056652	0.041241	0.944305

			ADPRHL1;ATP11				
cg033565			A;DCUN1D2;TUB				
37	chr13	1.13E+08	GCP3	0.446264	2.055119	0.04139	0.944336
cg014159							
03	chr7	1.56E+08	RNF32	-0.21345	-2.05496	0.041405	0.944336
cg005018							
69	chr7	1.58E+08		0.344198	2.055408	0.041362	0.944336
cg139674							
24	chr8	81180599	PAG1	-0.2353	-2.05307	0.041591	0.944583
cg088563							
33	chr17	76510915		0.233646	2.053421	0.041556	0.944583
cg039984							
76	chr20	56884536		-0.18444	-2.05308	0.04159	0.944583
cg170155							
75	chr5	1.4E+08		-0.19074	-2.05308	0.041589	0.944583
cg071163							
93	chr1	20834843		0.276764	2.052917	0.041606	0.944618
cg249521							
02	chr11	93062752		-0.36154	-2.05366	0.041533	0.944583
cg007967							
93	chr5	1.81E+08		-0.25045	-2.05444	0.041457	0.944583
cg088602							
87	chr16	87877848	SLC7A5	-0.19877	-2.05163	0.041732	0.945236
cg057339							
17	chr4	3251225		-0.22405	-2.05523	0.04138	0.944336
cg020224							
25	chr5	1.75E+08		0.25328	2.052699	0.041627	0.944709
cg135083							
91	chr12	3068378		-0.14222	-2.05653	0.041253	0.944326
cg158055							
53	chr17	58156359		-0.27762	-2.05227	0.041669	0.945012

cg151369							
53	chr3	1.11E+08		-0.26075	-2.05554	0.041349	0.944336
cg013564							
63	chr12	1.12E+08		-0.19033	-2.0543	0.04147	0.944583
cg109396							
67	chr6	1.52E+08		0.244912	2.053037	0.041594	0.944583
cg262831							
70	chr11	1.33E+08		0.260877	2.054433	0.041457	0.944583
cg019090							
24	chr1	26195345		-0.27231	-2.05377	0.041522	0.944583
cg217614							
27	chr6	28220064 SCAND3		0.218748	2.05457	0.041444	0.944583
cg073631							
37	chr5	76923737 F2RL1;AGGF1		0.298907	2.053246	0.041574	0.944583
cg031215							
38	chr16	30017856		-0.25733	-2.05437	0.041463	0.944583
ch.17.790							
71R	chr17	1717862		0.287784	2.05377	0.041522	0.944583
cg019479							
49	chr4	1004445		-0.1793	-2.05514	0.041388	0.944336
cg020963							
96	chr2	26395556		-0.18071	-2.05431	0.041469	0.944583
cg077507							
06	chr6	1.44E+08		-0.12017	-2.0542	0.041481	0.944583
cg146658							
45	chr11	33183263		0.249817	2.052793	0.041618	0.944665
cg027785							
23	chr7	55467670		0.294389	2.052332	0.041663	0.944954
cg002906							
26	chr8	1.32E+08		-0.20247	-2.05208	0.041688	0.945088
cg086107							
41	chr1	65886304		0.178259	2.053461	0.041553	0.944583
cg226653							
83	chr11	55339961		-0.29209	-2.05322	0.041576	0.944583
cg170923							
49	chr3	49058272 FBXW12		-0.34118	-2.05407	0.041493	0.944583
cg025312							
27	chr12	1.29E+08		0.338816	2.055087	0.041393	0.944336

			SLC43A2;HIC1;PI				
cg023172			TPNA;ENSG0000				
99	chr17	1390182 0262003;MYO1C		0.299908	2.058665	0.041045	0.943239
cg243784							
21	chr8	11141365		0.256364	2.052427	0.041654	0.944864
cg245007							
11	chr21	31799091		-0.27383	-2.05296	0.041602	0.944618
cg145521							
06	chr9	96710915		0.213779	2.052718	0.041625	0.944709



cg267588			ZNF606;ENSG00				
63	chr19	57752111	000176593	-0.16298	-2.054	0.041499	0.944583
cg156590							
52	chr7	37438819	ANLN;EPDR1	-0.27857	-2.05251	0.041646	0.944853
cg143224							
27	chr6	1.11E+08	AMD1	0.183211	2.055426	0.04136	0.944336
cg006396							
15	chr15	89786496		0.455785	2.051192	0.041776	0.945236
cg025302							
22	chr9	1.34E+08	EXOSC2	0.26386	2.056239	0.041281	0.944336
cg123921							
04	chr15	55665153		-0.39589	-2.05552	0.041351	0.944336
cg033093			SNORA53;IKBIP;				
28	chr12	99525864	SLC25A3	-0.29959	-2.05319	0.041579	0.944583
cg067162							
83	chr19	45504390		0.298218	2.053507	0.041548	0.944583
cg203096							
77	chr1	1.17E+08		-0.21261	-2.05533	0.04137	0.944336
cg225107							
68	chr22	28314561		-0.23974	-2.05218	0.041678	0.945012
cg088153			TBC1D30;WIF1;S				
98	chr12	65218869	RGAP1	-0.21756	-2.05324	0.041574	0.944583
cg211864							
49	chr3	68057322		-0.15908	-2.05423	0.041477	0.944583
cg070506							
16	chr10	1.03E+08		0.240183	2.053663	0.041533	0.944583
cg051801							
53	chr19	11039414		-0.19666	-2.05512	0.04139	0.944336
cg157935							
63	chr11	910950		-0.20203	-2.05261	0.041636	0.944853
cg079228							
43	chr1	92083173	RPAP2;GLMN	0.295878	2.05384	0.041515	0.944583
cg209304							
87	chr1	53542934		0.146781	2.052454	0.041651	0.944853
cg079174							
78	chr1	1.8E+08		-0.22557	-2.05354	0.041545	0.944583
cg025039							
33	chr8	90770146		-0.15972	-2.05139	0.041756	0.945236
cg044096							
18	chr4	1224633		0.28534	2.053108	0.041587	0.944583
cg055806							
71	chr8	38006196		-0.28685	-2.05484	0.041418	0.944565
cg004928							
73	chr1	35247496	CSMD2	0.331969	2.052145	0.041682	0.94504
cg144686							
58	chr5	1.41E+08		0.318517	2.055818	0.041322	0.944336

cg204012							
52	chr2	5834062		0.312817	2.051475	0.041748	0.945236
cg050967			FRMPD2;PTPN20				
56	chr10	50143517	CP	0.33928	2.057132	0.041194	0.944104
cg158039							
72	chr2	1.71E+08		0.182534	2.053541	0.041545	0.944583
cg272398							
42	chr4	2403781		0.317141	2.052098	0.041686	0.945088
cg194527							
39	chr21	35738859		0.301111	2.050695	0.041824	0.945243
cg228707							
75	chr6	99277015		0.284465	2.053963	0.041503	0.944583
cg093512							
54	chr2	2.42E+08		-0.18494	-2.05047	0.041846	0.945309
cg174521							
83	chr10	1.34E+08		-0.27631	-2.05246	0.041651	0.944853
cg208171							
75	chr1	11107306		-0.19345	-2.05543	0.04136	0.944336
cg028469							
63	chr4	1.82E+08		-0.37438	-2.05032	0.041862	0.945439
cg236623			ENSG000002670				
23	chr19	15251097	56	-0.25895	-2.05341	0.041558	0.944583
cg027751							
29	chr4	1.2E+08		-0.41481	-2.05317	0.041581	0.944583
cg220272							
67	chr7	51544518		-0.28259	-2.05296	0.041601	0.944618
cg196433							
44	chr1	2.36E+08		0.138351	2.053098	0.041588	0.944583
cg039780							
67	chr8	1.45E+08		0.336074	2.063301	0.040597	0.942892
cg080780							
58	chr19	41307140	CYP2A13	0.362601	2.052197	0.041677	0.945012
cg130404							
18	chr8	1.16E+08		0.295768	2.055633	0.04134	0.944336
cg003423							
13	chr22	42074919	MEI1	0.226233	2.054177	0.041482	0.944583
cg007448							
66	chr3	33701209	CCR4	0.40133	2.049919	0.041901	0.945534
cg239495							
42	chr5	1.79E+08		-0.22989	-2.0569	0.041217	0.944104
cg015499							
40	chr6	1.43E+08		0.32237	2.053788	0.04152	0.944583
cg179328							
36	chr2	2.33E+08		-0.1565	-2.05279	0.041619	0.944665
cg145562							
43	chr9	1.28E+08		-0.31455	-2.05377	0.041522	0.944583
cg054875							
07	chr17	46671861	TTLL6	0.216429	2.049495	0.041943	0.945538

cg044138							
79	chr7	99904875		-0.17777	-2.05034	0.041859	0.945439
cg046259			CXCL12;RASGEF				
75	chr10	44285864	1A	-0.38137	-2.05095	0.0418	0.945236
cg236858							
70	chr1	1.45E+08	PIAS3	0.283074	2.049997	0.041893	0.94549
cg167234							
88	chr2	21266947		0.231221	2.050261	0.041867	0.945455
cg017831							
01	chr7	1.18E+08		0.520595	2.051748	0.041721	0.945236
cg142561							
36	chr10	74856824		-0.16567	-2.05176	0.04172	0.945236
cg144314							
43	chr12	1.15E+08		0.156804	2.049993	0.041894	0.94549
cg038776							
80	chr5	1.78E+08		-0.14165	-2.05145	0.04175	0.945236
cg241240							
79	chr8	1150340	TDRP	-0.33244	-2.05083	0.041811	0.945236
cg124650							
10	chr10	11909982		0.316812	2.053351	0.041563	0.944583
cg143236							
75	chr9	17907018		0.313968	2.049699	0.041923	0.945538
cg068844							
70	chr14	92785924		-0.2717	-2.05156	0.04174	0.945236
cg166966							
48	chr1	17382130		-0.21365	-2.05093	0.041801	0.945236
cg126414							
34	chr10	1.06E+08		-0.14855	-2.05135	0.04176	0.945236
cg248741							
73	chr1	1.45E+08		0.360026	2.053858	0.041514	0.944583
cg184491							
35	chr19	48833062		-0.30374	-2.05165	0.041731	0.945236
cg040739							
13	chr19	58596723		0.246077	2.048893	0.042002	0.945641
cg234555							
17	chr19	49315679		0.24686	2.050932	0.041801	0.945236
cg167720							
23	chr10	1308866		0.352598	2.052039	0.041692	0.945126
cg105455							
36	chr3	45635693		0.159664	2.052852	0.041612	0.944618
cg040997							
05	chr16	1397981		-0.44524	-2.05067	0.041827	0.945243
cg003362							
91	chr3	1.27E+08	CCDC37	-0.16804	-2.04947	0.041946	0.945538
cg061983							
35	chr9	1.37E+08		-0.16967	-2.05153	0.041742	0.945236
cg056421							
43	chr6	42928409		0.269134	2.0494	0.041952	0.945538
cg268579							
11	chr19	18063041		0.150493	2.054509	0.04145	0.944583

cg034556							
44	chr2	67516852		-0.28581	-2.05546	0.041357	0.944336
cg175908							
05	chr11	1.29E+08		-0.22402	-2.05225	0.041672	0.945012
cg135402							
56	chr3	44597153		0.343934	2.050387	0.041855	0.945405
cg150476							
60	chr5	1.72E+08		0.185913	2.050086	0.041885	0.94549
cg229349							
35	chr6	1.3E+08		-0.22543	-2.05139	0.041756	0.945236
cg006978							
80	chr3	31883601		0.246313	2.048943	0.041998	0.945636
cg080607							
18	chr2	2.42E+08		-0.39653	-2.04933	0.04196	0.945538
cg031298							
53	chr11	93862749		0.138294	2.051235	0.041771	0.945236
cg010025							
60	chr7	16460779		-0.24735	-2.05106	0.041789	0.945236
cg149733							
69	chr3	1.95E+08		-0.20987	-2.05339	0.04156	0.944583
cg134604							
67	chr9	1.32E+08		-0.15652	-2.05309	0.041589	0.944583
cg096259							
46	chr12	1.33E+08		-0.19084	-2.05181	0.041715	0.945236
cg236411							
58	chr19	18043661		-0.1763	-2.05002	0.041891	0.94549
cg269600							
83	chr7	1.43E+08 GSTK1		-0.33312	-2.05194	0.041702	0.945196
cg146163							
69	chr5	1.79E+08		-0.26618	-2.04961	0.041932	0.945538
cg075911							
86	chr17	41178024		0.23086	2.050722	0.041822	0.945243
cg065679							
20	chr4	1.3E+08 INTU;JADE1		-0.31025	-2.04974	0.041919	0.945538
cg230515							
59	chr11	1.19E+08		0.292692	2.049439	0.041949	0.945538
cg275674							
30	chr5	1.76E+08		0.291894	2.04942	0.04195	0.945538
cg030608							
02	chr8	75234078		-0.19691	-2.05093	0.041802	0.945236
cg095469							
07	chr7	1.37E+08		0.42127	2.050962	0.041798	0.945236
cg037967							
81	chr6	1.38E+08		0.207519	2.051598	0.041736	0.945236
cg058273							
46	chr20	48732560		-0.16195	-2.05363	0.041536	0.944583
cg133724							
56	chr5	1.54E+08		0.306374	2.053369	0.041562	0.944583
cg081720							
57	chr1	43919477		-0.18088	-2.04801	0.04209	0.94586

cg243422							
70	chr1	8021811		-0.17354	-2.05141	0.041754	0.945236
cg246433							
81	chr12	43941378		-0.36965	-2.0511	0.041785	0.945236
			IFT140;NHLRC4; CCDC78;ENSG00 000261659;ENS G00000196674; HN1L;HS3ST6;BA IAP3;METRN;HA				
cg097916							
21	chr16	1078722	GH;HAGHL	-0.34096	-2.05048	0.041845	0.945309
cg007456			HEATR2;PSMG3-				
93	chr7	1136023	AS1	0.307114	2.052319	0.041665	0.944954
cg038951							
59	chr3	1.83E+08		0.379459	2.051501	0.041745	0.945236
cg007664							
21	chr6	83902931		-0.1875	-2.04941	0.041951	0.945538
cg187332							
55	chr17	39942970		0.312082	2.049501	0.041942	0.945538
cg231998							
15	chr5	1.77E+08		-0.34137	-2.05248	0.041649	0.944853
cg118537							
88	chr1	1.8E+08		0.29502	2.050811	0.041813	0.945236
cg106298							
06	chr8	1.41E+08		-0.24681	-2.04864	0.042027	0.945748
cg150227							
39	chr18	34823045	MOCOS	-0.27487	-2.0518	0.041716	0.945236
cg146430							
39	chr5	1.54E+08		0.178822	2.050777	0.041816	0.945236
cg156779							
89	chr1	32208487	MTMR9LP	0.161679	2.054699	0.041431	0.944583
cg232023							
16	chr17	33447048		-0.28649	-2.05079	0.041815	0.945236
cg269931							
05	chr7	1.52E+08		0.276125	2.051958	0.0417	0.945196
cg041382							
53	chr14	1.03E+08		-0.20249	-2.04946	0.041947	0.945538
cg011403							
95	chr15	52570565		0.270458	2.052473	0.041649	0.944853
cg046157							
16	chr16	69364337		-0.13877	-2.04832	0.04206	0.945828
cg148665							
67	chr3	1.49E+08		-0.30822	-2.05145	0.04175	0.945236

cg115029							
21	chr1	31567962		-0.19953	-2.05087	0.041807	0.945236
cg169609							
43	chr2	2.36E+08		-0.24018	-2.04936	0.041957	0.945538
cg000711							
61	chr6	44117573		0.1634	2.050068	0.041886	0.94549
cg261480							
59	chr6	33256755		-0.15016	-2.04898	0.041994	0.945636
cg203975							
43	chr6	53214211		0.228463	2.049377	0.041955	0.945538
cg009266							
57	chr17	79880822		-0.27478	-2.05111	0.041783	0.945236
cg178601							
74	chr5	1.22E+08		0.221687	2.053696	0.041529	0.944583
cg125027							
51	chr5	1.72E+08		-0.27468	-2.05116	0.041779	0.945236
cg255591			SDCBP2-				
00	chr20	524528	AS1;SIRPB2	-0.17838	-2.05235	0.041661	0.944954
cg024011							
32	chr6	19805404		0.222717	2.050186	0.041875	0.945462
cg236794							
71	chr10	1.02E+08		0.300982	2.0488	0.042012	0.945649
cg240393							
94	chr8	55294823		0.319211	2.051787	0.041717	0.945236
cg246326			SLC9A3;ENSG00				
46	chr5	506343	000188242;LPCA	0.327255	2.05071	0.041823	0.945243
cg058477			T1;CEP72				
72	chr11	1.18E+08		0.193649	2.051501	0.041745	0.945236
cg152440							
49	chr6	10883376		0.299451	2.053593	0.04154	0.944583
cg135518							
14	chr20	45280276		0.239129	2.050209	0.041872	0.945462
cg118424							
15	chr1	75599667		0.325532	2.047824	0.042108	0.945934
cg021443							
89	chr15	45434285		-0.25767	-2.05097	0.041797	0.945236
cg250053							
57	chr15	57426631		-0.32143	-2.05089	0.041805	0.945236
cg275238							
82	chr12	57634665	MARS;AGAP2	-0.2329	-2.04883	0.042009	0.945642
cg084987							
87	chr11	57250780		-0.23274	-2.05303	0.041595	0.944583
cg262664			C4A;ENSG00000				
27	chr6	32063838	225914	0.38286	2.049096	0.041982	0.945538

cg118127							
75	chr17	42785944		-0.16801	-2.05097	0.041798	0.945236
cg234630							
77	chr5	1.4E+08		0.156084	2.049239	0.041968	0.945538
cg157665							
71	chr19	12845030		-0.18926	-2.0494	0.041953	0.945538
cg048818							
14	chr17	50236572		0.262013	2.04916	0.041976	0.945538
cg129891							
04	chr16	48645051		0.24394	2.049126	0.041979	0.945538
cg083222							
44	chr17	8066669		0.467752	2.05004	0.041889	0.94549
cg078697							
95	chr22	45809375		0.329187	2.04873	0.042019	0.945748
cg133640							
75	chr7	1.57E+08		-0.22427	-2.0485	0.042041	0.945748
cg146611							
59	chr4	1769337		-0.14986	-2.04902	0.04199	0.945633
cg041093							
59	chr3	15110794		0.235686	2.049196	0.041973	0.945538
cg224160							
51	chr7	1.57E+08		-0.22413	-2.0499	0.041903	0.945534
cg152342			CD22;HCST;FXVD				
71	chr19	35531411	5	0.207547	2.051208	0.041774	0.945236
cg109005							
33	chr19	918273		-0.22352	-2.04972	0.04192	0.945538
cg074534							
40	chr18	11948154		-0.50662	-2.04901	0.041991	0.945633
cg144505							
06	chr7	44614519		0.188916	2.050781	0.041816	0.945236
cg022471							
83	chr16	4664062		-0.15282	-2.04743	0.042147	0.94602
cg244945							
56	chr10	43134100		-0.15824	-2.05053	0.04184	0.945309
cg049804							
78	chr16	87585801		-0.19239	-2.04853	0.042038	0.945748
cg112343							
28	chr10	1.35E+08		0.214157	2.047824	0.042108	0.945934
cg212440			B2M;TRIM69;DU				
86	chr15	45479462	OX2;SQRDL	0.22415	2.050849	0.041809	0.945236
cg080591							
12	chr19	2294887	GNA15	0.290322	2.047639	0.042127	0.94602
cg051452							
33	chr16	89169858		-0.24983	-2.05379	0.04152	0.944583
cg149476							
66	chr19	16293592	HSH2D	0.273799	2.049193	0.041973	0.945538
cg050611			ENSG0000002564				
07	chr11	64532875	81	-0.24607	-2.04983	0.041909	0.945538

cg139559			ENSG000001434				
31	chr2	92162790	29	0.251587	2.049355	0.041957	0.945538
cg047591							
87	chr10	548964		-0.16087	-2.04845	0.042046	0.945748
cg158197							
17	chr12	54393100		0.31948	2.048418	0.04205	0.945748
cg265309							
71	chr8	1.11E+08		-0.19464	-2.04822	0.042069	0.94586
cg218919							
67	chr9	98075492		0.277584	2.046304	0.042259	0.946231
cg202839							
64	chr1	1.72E+08		-0.23568	-2.05373	0.041526	0.944583
cg210072							
13	chr22	50655367		-0.29243	-2.05104	0.04179	0.945236
cg041742							
26	chr2	1.62E+08	FAP	-0.1542	-2.04738	0.042152	0.94602
cg265385							
90	chr16	66583820	ZDHHC1	0.135225	2.048039	0.042087	0.94586
cg063826							
98	chr2	54015232	EML6	-0.27532	-2.04754	0.042136	0.94602
cg116885							
48	chr12	1489532		-0.28408	-2.05158	0.041737	0.945236
cg026256							
94	chr20	60473786		0.169706	2.047931	0.042098	0.945895
cg183840							
60	chr10	89622943		-0.25336	-2.04912	0.04198	0.945538
cg216484							
01	chr1	2.2E+08		-0.2925	-2.04727	0.042163	0.94602

			ZNF154;ZNF418; ZIK1;ZNF551;ZN F419;ZNF549;ZN F17;ZNF671;ZNF				
cg254003							
96	chr19	58400559	134;ZNF584	0.294456	2.050111	0.041882	0.94549
cg009199							
21	chr10	465584		0.22694	2.047887	0.042102	0.945934
cg196434							
67	chr22	32651246		-0.22861	-2.0503	0.041863	0.945439
cg207161							
74	chr15	58766885		-0.20379	-2.05111	0.041783	0.945236
cg190579							
86	chr17	46802871		0.251915	2.04868	0.042024	0.945748
cg074759							
22	chr19	10122694		-0.26681	-2.05049	0.041844	0.945309
cg023408							
46	chr8	87526741		-0.15791	-2.0506	0.041834	0.945309



cg176567							
63	chr12	65927079	WIF1;TBC1D30	-0.44208	-2.04919	0.041973	0.945538
cg081492							
51	chr15	65495470		-0.14271	-2.04816	0.042075	0.94586
cg052213							
85	chr11	6633504		0.154845	2.047416	0.042149	0.94602
cg179332							
06	chr2	2.35E+08		-0.21639	-2.05025	0.041868	0.945455
cg033269							
43	chr19	3761759		-0.16514	-2.04798	0.042092	0.94586
cg256559							
78	chr7	73819587		0.379865	2.04695	0.042195	0.946105
cg027437							
13	chr2	1.57E+08		0.324363	2.049943	0.041899	0.945534
cg233384							
08	chr14	31289523		-0.2599	-2.0514	0.041755	0.945236
cg239695							
06	chr13	21287304		0.242633	2.04763	0.042128	0.94602
cg195855							
97	chr5	1.5E+08		0.414039	2.049698	0.041923	0.945538
cg197612							
62	chr17	26220474		0.192822	2.048295	0.042062	0.945828
cg245927							
51	chr4	1.4E+08		-0.29012	-2.04937	0.041956	0.945538
cg174944							
08	chr2	1500368		-0.19984	-2.04839	0.042053	0.945748
cg202261							
51	chr7	56019579	EGFR-AS1	-0.1437	-2.05053	0.041841	0.945309
cg253691							
84	chr6	26239995		0.323406	2.048692	0.042022	0.945748
cg172998							
99	chr18	76738478		0.208214	2.049352	0.041957	0.945538
cg162803							
99	chr6	16705528		-0.30614	-2.0474	0.04215	0.94602
cg095484							
03	chr1	2.33E+08		-0.29008	-2.04887	0.042005	0.945641

			TAPSAR1;TAP1;P SMB9;TAPBP;HL				
cg076798							
36	chr6	33548423	A-DMA	-0.27415	-2.04808	0.042083	0.94586
cg204781							
29	chr14	27067372		0.384682	2.049991	0.041894	0.94549
cg014561							
51	chr16	49311736		0.254128	2.045592	0.04233	0.946231
cg204391							
01	chr5	56115499		-0.2562	-2.05157	0.041738	0.945236
cg225936							
33	chr10	180465		0.263812	2.049117	0.04198	0.945538

cg226942							
71	chr1	1.1E+08	AMPD2	0.257222	2.050662	0.041828	0.945243
cg251487							
71	chr4	2936127		-0.17694	-2.04638	0.042252	0.946231
cg250411							
48	chr19	58838420		-0.11832	-2.04853	0.042038	0.945748
cg250451			PIK3R5;NTN1;M				
13	chr17	8702099	FSD6L;MYH10	0.254242	2.046906	0.0422	0.946105
cg263866							
24	chr12	54366859		0.290136	2.052519	0.041645	0.944853
cg199817							
96	chr19	7928066		0.234678	2.046846	0.042205	0.946105
cg183275							
83	chr10	1118549		-0.34923	-2.047	0.04219	0.946105
cg017133			HN1L;HAGH;HS3				
48	chr16	1480790	ST6;NHLRC4;IFT1	-0.20083	-2.04859	0.042033	0.945748
cg223221			40;JMJD8				
84	chr19	7734203	MYO1F;PRAM1	-0.21297	-2.05167	0.041728	0.945236
cg215261							
73	chr19	12034591		0.220808	2.048492	0.042042	0.945748
cg072623							
95	chr10	1.12E+08		0.430458	2.045464	0.042343	0.946231
cg056700							
04	chr10	1.35E+08		0.385553	2.04853	0.042038	0.945748
cg031153							
79	chr6	28921288		-0.28569	-2.04894	0.041998	0.945636
cg066327							
32	chr17	17035777		0.227392	2.045676	0.042322	0.946231
cg089177							
95	chr16	56716597		0.278125	2.047372	0.042153	0.94602
cg080040							
73	chr3	1.69E+08	MECOM	-0.42021	-2.04768	0.042123	0.94602
cg237184							
18	chr6	33377739		-0.26705	-2.04677	0.042213	0.946105
cg256572							
18	chr17	22017062		-0.42855	-2.04742	0.042148	0.94602
cg188812							
47	chr2	1.57E+08		-0.17637	-2.05018	0.041875	0.945462

			C14orf79;ADSSL 1;INF2;IGHV3- 23;IGHV3- 21;JAG2;CRIP1;I GHV3- 7;CDCA4;TMEM 121;IGHV3-				
cg019474			15;IGHA2	0.612127	2.050558	0.041838	0.945309
82	chr14	1.06E+08					
cg193713							
39	chr1	1.53E+08		-0.35212	-2.04654	0.042236	0.946219
cg053718							
67	chr17	57784854		-0.20417	-2.05134	0.041761	0.945236
cg076098							
62	chr11	92702912		0.470366	2.047379	0.042153	0.94602
cg126641							
19	chr1	1.2E+08		0.218806	2.048847	0.042007	0.945642
cg002237			SCARNA5;SCARN				
03	chr2	2.34E+08	A6;ATG16L1	0.208339	2.047513	0.042139	0.94602
cg159433							
96	chr5	1.59E+08		-0.24058	-2.04645	0.042244	0.946231
cg146122							
94	chr1	1.65E+08		-0.21593	-2.04938	0.041954	0.945538
cg038791							
60	chr2	1.74E+08	DYNC112;ITGA6	-0.27538	-2.04644	0.042246	0.946231
cg105506							
93	chr11	64902189		-0.17765	-2.04786	0.042105	0.945934
cg042051							
93	chr1	12079676		0.144903	2.04769	0.042122	0.94602
cg126554							
37	chr18	45275903		0.283979	2.052876	0.04161	0.944618
cg180942							
21	chr3	49448445		-0.29275	-2.04654	0.042236	0.946219
cg043388							
71	chr11	70002333	CTTN	-0.23502	-2.05105	0.041789	0.945236
cg074074							
99	chr11	47470791	PTPRJ	-0.20593	-2.04811	0.04208	0.94586
cg051374							
43	chr6	33094069		-0.50691	-2.04621	0.042268	0.946231
cg027167							
76	chr19	3178413	ZFR2;S1PR4	-0.56435	-2.04469	0.04242	0.946266
cg114607							
23	chr21	46359716		-0.15035	-2.04585	0.042305	0.946231
cg202817							
29	chr6	31635914		0.278593	2.046297	0.04226	0.946231

cg048193							
51	chr15	36872220		0.309558	2.047101	0.04218	0.94602
cg006601							
63	chr1	1.56E+08		0.156624	2.050412	0.041852	0.9454
cg261748							
80	chr2	3489916		-0.30539	-2.04939	0.041954	0.945538
cg265601							
10	chr6	28603161		0.285497	2.047197	0.042171	0.94602
cg018237							
18	chr11	24015048		-0.36574	-2.04924	0.041968	0.945538
cg042554							
16	chr5	57878497		0.241965	2.047969	0.042094	0.94586
cg244096							
77	chr11	2019655 KCNQ1OT1		0.100473	2.045507	0.042339	0.946231
cg090680							
86	chr2	1.11E+08		-0.54053	-2.04558	0.042331	0.946231
cg172394							
78	chr6	23955726		-0.24767	-2.0491	0.041982	0.945538
cg229502							
23	chr7	1403628 CYP2W1;PDGFA		-0.27743	-2.04715	0.042176	0.94602
cg057834							
49	chr2	64868710		-0.28227	-2.04811	0.04208	0.94586
cg097450							
87	chr2	1.13E+08		-0.1843	-2.04688	0.042202	0.946105

			FBLN1;ENSG000				
			00226328;NUP5				
			0;ENSG0000023				
			8120;EFCAB6;RI				
cg273217			BC2;ENSG00000				
50	chr22	45148218 273243;PARVB		-0.24369	-2.05164	0.041731	0.945236
cg179068							
73	chr3	1.29E+08		-0.23551	-2.04464	0.042425	0.946266
cg157727							
12	chr22	41843233		0.171893	2.045831	0.042306	0.946231
cg015197							
84	chr19	36450896		0.395871	2.046129	0.042277	0.946231

			NME4;TMEM20				
cg087476			4;UNKL;CLCN7;S				
76	chr16	1148056 OX8		-0.21133	-2.04565	0.042325	0.946231
cg043200			ENSG000002621				
44	chr16	2512503 18		0.17725	2.046215	0.042268	0.946231
cg102198							
33	chr5	1.08E+08		-0.15594	-2.04846	0.042045	0.945748

cg028041							
44	chr2	1.86E+08		0.246562	2.046002	0.042289	0.946231
cg203000							
32	chr12	12186105		0.281541	2.045264	0.042363	0.946266
cg240855							
22	chr18	11849055		0.257411	2.046677	0.042222	0.946105
cg268413							
83	chr13	97999364		0.286141	2.044447	0.042444	0.946266
cg065151							
11	chr10	1.18E+08		-0.27755	-2.04524	0.042365	0.946266
cg041657							
20	chr19	7677604		0.310063	2.047245	0.042166	0.94602
cg175676			C2orf40;TGFBRA				
02	chr2	1.07E+08	P1	0.282533	2.048423	0.042049	0.945748
cg268834							
34	chr5	1.11E+08		0.324907	2.045893	0.0423	0.946231
cg008630							
07	chr7	28319676		0.402287	2.045351	0.042354	0.946266
cg152060							
62	chr17	952254		0.222558	2.046125	0.042277	0.946231
cg150386							
72	chr6	28831858		0.203751	2.0469	0.0422	0.946105
cg172291							
73	chr5	67483875		0.476507	2.04668	0.042222	0.946105
cg229090							
42	chr17	17994408		0.232871	2.048228	0.042068	0.94586
cg020861							
74	chr14	90358168		-0.23735	-2.04732	0.042159	0.94602
cg075072							
57	chr18	21112105		0.246889	2.044605	0.042429	0.946266
cg241933							
39	chr22	43583738		-0.13849	-2.04729	0.042162	0.94602
cg119523			SLC25A10;WDR4				
44	chr17	80398854	5B	0.253168	2.048191	0.042072	0.94586
cg034337							
58	chr15	91073105		-0.15597	-2.04671	0.042219	0.946105
cg058870			TNRC6C;CYTH1;T				
92	chr17	76393375	K1;SYNGR2;ENS				
cg165927			G00000267506;				
09	chr8	1831484	C1QTNF1	0.309582	2.047337	0.042157	0.94602
cg070215							
02	chr8	64078053		-0.30747	-2.04433	0.042456	0.946266
				0.257864	2.047068	0.042183	0.946028

cg004609							
11	chr2	1.81E+08		-0.23195	-2.04439	0.04245	0.946266
cg127944							
69	chr3	1.22E+08		0.178733	2.047158	0.042174	0.94602
cg203267							
04	chr10	70321770	TSPAN15	0.356127	2.046096	0.04228	0.946231
cg191145							
70	chr8	1.02E+08		0.184432	2.047405	0.04215	0.94602
cg042298							
51	chr4	7434754		-0.17559	-2.0471	0.04218	0.94602
cg142566							
99	chr17	41836026		0.236271	2.0458	0.04231	0.946231

			KIAA1244;ENSG 00000237499;M AP3K5;PBOV1;IL 20RA;TNFAIP3;N HSL1;HEBP2;ENS G00000220412;				
cg203675							
21	chr6	1.38E+08	PEX7	0.344409	2.051188	0.041776	0.945236
cg173391							
82	chr10	1.32E+08		-0.27907	-2.04352	0.042537	0.946266
cg106683							
99	chr12	4380586		-0.16623	-2.04697	0.042193	0.946105

			ENSG000002727 21;ENSG000002 73181				
cg201364							
44	chr3	1.84E+08	73181	0.146113	2.045475	0.042342	0.946231
cg020249							
25	chr13	52773871		-0.26328	-2.04677	0.042213	0.946105
cg023698							
20	chr4	6200609		-0.26137	-2.04537	0.042353	0.946266
cg055072							
49	chr2	52798801		-0.23006	-2.04799	0.042092	0.94586
cg140862							
71	chr8	1.44E+08		-0.18765	-2.04564	0.042326	0.946231
cg081348							
29	chr1	1851083		-0.20212	-2.04563	0.042326	0.946231
cg259368							
39	chr17	6555202	TNK1	0.225788	2.048376	0.042054	0.945748
cg063225							
18	chr10	50535073		-0.23974	-2.04591	0.042299	0.946231
cg268807							
35	chr18	44784846		-0.37498	-2.04589	0.0423	0.946231

cg073015							
05	chr10	99400264		-0.22423	-2.0473	0.04216	0.94602
cg225532							
89	chr17	33469403		0.132094	2.044338	0.042455	0.946266
cg230350							
58	chr10	1.34E+08		-0.20796	-2.04665	0.042225	0.946105
cg016999							
06	chr11	95976628		-0.18551	-2.04613	0.042277	0.946231
cg133770							
23	chr10	17299452		0.233881	2.048913	0.042001	0.945641
cg225645							
83	chr22	37720976		-0.23056	-2.04519	0.04237	0.946266
cg033010							
25	chr17	16375621		-0.20469	-2.04635	0.042255	0.946231
cg025763							
94	chr6	30707038		0.202319	2.044842	0.042405	0.946266
cg232235							
44	chr13	1.15E+08		-0.39115	-2.04968	0.041925	0.945538
cg172715		ZNF610;ZNF818					
61	chr19	52839334 P		0.390113	2.044451	0.042444	0.946266
cg127378							
76	chr2	85843232		-0.13283	-2.0477	0.042121	0.94602
cg091628							
34	chr13	1.11E+08		0.3313	2.044449	0.042444	0.946266
cg233487							
23	chr7	31725748 AVL9		-0.32996	-2.04616	0.042273	0.946231
cg023597							
46	chr8	32582038		0.285201	2.047255	0.042165	0.94602
cg237128							
97	chr8	1.46E+08		-0.25272	-2.04496	0.042394	0.946266
cg241438							
43	chr5	1.79E+08		0.179164	2.044957	0.042394	0.946266
cg230544							
26	chr7	19185267		0.334837	2.046683	0.042222	0.946105
cg184101							
68	chr19	35843282		-0.23865	-2.04626	0.042264	0.946231
cg216143							
39	chr15	93615629		-0.27501	-2.04603	0.042286	0.946231
cg154005							
91	chr20	33762943 FAM83C		0.460643	2.044452	0.042444	0.946266
cg251917							
43	chr17	43394540		-0.15912	-2.0449	0.042399	0.946266
cg074824							
70	chr7	69124459		0.207648	2.046353	0.042255	0.946231
cg095004							
75	chr1	46152117		-0.1422	-2.04446	0.042443	0.946266
cg156765							
00	chr1	19665446 PQLC2		0.460011	2.044377	0.042451	0.946266

			ENSG000002733				
cg049206			73;SYPL2;AHCYL				
32	chr1	1.11E+08	1	-0.16383	-2.04356	0.042533	0.946266
cg251478							
42	chr4	2244338		-0.15333	-2.04366	0.042523	0.946266
cg100576							
14	chr16	56841060	MT1E	0.312194	2.045108	0.042378	0.946266
cg255778							
42	chr11	32459760	TCP11L1	0.242822	2.045547	0.042335	0.946231
cg027832							
32	chr16	188789		0.127021	2.042638	0.042625	0.946266
cg242861							
74	chr3	1.89E+08		0.305561	2.045981	0.042292	0.946231
cg120743							
29	chr2	86054806		-0.24678	-2.04498	0.042391	0.946266
cg054715							
23	chr3	43936093	KIF15	0.214693	2.046233	0.042267	0.946231

			PHLDB1;MPZL3;				
			MCAM;KMT2A;H				
			YOU1;TMEM25;				
			AMICA1;ENSG00				
cg089989			000255176;UBE				
53	chr11	1.19E+08	4A	0.326873	2.045488	0.042341	0.946231
cg000238							
08	chr7	1.02E+08		0.261643	2.045625	0.042327	0.946231
cg002516							
10	chr5	1.59E+08		0.230557	2.042665	0.042623	0.946266
cg066044							
67	chr7	1232088	COX19;SUN1	-0.38826	-2.04422	0.042467	0.946266
cg238126							
80	chr6	27561058		0.291044	2.044811	0.042408	0.946266
cg029533							
02	chr10	1.28E+08		0.193339	2.046687	0.042221	0.946105
cg005313							
38	chr18	76321379		-0.19881	-2.04658	0.042232	0.946214
cg166653			ENSG000002607				
35	chr5	205775	74	-0.20987	-2.04424	0.042465	0.946266
cg229752							
77	chr2	1.87E+08		-0.32659	-2.04511	0.042379	0.946266
cg251806							
03	chr5	1.5E+08		-0.15961	-2.04377	0.042512	0.946266
cg141462							
49	chr1	2.06E+08		-0.26089	-2.0446	0.042429	0.946266
cg166395							
95	chr7	87856984		-0.28979	-2.04839	0.042052	0.945748



cg146462						
44	chr7	1.07E+08		-0.4334	-2.04499	0.04239 0.946266
cg077366						
27	chr11	44322491		-0.13705	-2.04431	0.042458 0.946266
cg050021						
24	chr13	79980059		0.126985	2.048049	0.042086 0.94586
cg204618						
26	chr17	47367125		-0.30459	-2.04549	0.04234 0.946231
cg273809						
97	chr15	89960278		0.600408	2.044036	0.042485 0.946266
cg268010						
14	chr11	88241769		0.199656	2.046303	0.042259 0.946231
cg091946						
50	chr12	1.1E+08		-0.17679	-2.04666	0.042224 0.946105
cg165752						
91	chr14	93419496		0.207995	2.045577	0.042332 0.946231
cg021211						
04	chr14	75470314		0.257952	2.043503	0.042539 0.946266
cg146416						
25	chr5	1.71E+08		-0.22099	-2.04818	0.042074 0.94586
cg171298						
09	chr2	23840282		0.282035	2.043929	0.042496 0.946266
cg050581						
03	chr7	99051500		-0.25333	-2.04357	0.042532 0.946266
cg189085						
68	chr11	18754796 ZDHHC13;PTPN5		-0.28213	-2.04451	0.042438 0.946266
cg152378						
19	chr2	19558375		0.178647	2.046014	0.042288 0.946231
cg066785						
48	chr5	390197		-0.21774	-2.04426	0.042463 0.946266
cg134175		ENSG000002316				
59	chr9	86571432 16		0.199906	2.04459	0.04243 0.946266
cg172046						
71	chr2	1.57E+08		-0.27102	-2.04571	0.042319 0.946231
cg028967						
05	chr19	18112042		0.172577	2.04575	0.042315 0.946231
cg146998						
67	chr12	1.07E+08		-0.19738	-2.04414	0.042476 0.946266
cg073306						
30	chr3	1.23E+08		0.209626	2.04478	0.042411 0.946266
cg056797						
95	chr12	54020063		0.198392	2.044982	0.042391 0.946266
cg021797						
64	chr22	37419795 CDC42EP1		-0.25091	-2.04265	0.042624 0.946266
cg069610						
98	chr16	69140892		0.293633	2.042916	0.042598 0.946266
cg008688						
60	chr12	55041948 PHC1P1		-0.34155	-2.04169	0.042721 0.946266
cg012869						
59	chr20	42086381		-0.23647	-2.04347	0.042543 0.946266

cg276239							
48	chr17	77208211		-0.28291	-2.04236	0.042654	0.946266
cg206764							
75	chr1	1.53E+08		-0.25238	-2.04439	0.04245	0.946266
cg062180							
08	chr1	1.46E+08		0.139083	2.045756	0.042314	0.946231
cg200588							
48	chr2	96852116		-0.22477	-2.04199	0.04269	0.946266
cg056845							
69	chr16	81929465		-0.35137	-2.0438	0.04251	0.946266
cg156723							
29	chr11	72810987		0.357816	2.043173	0.042572	0.946266

cg100254			KIAA0100;ENSG				
62	chr17	27046956	00000266111	-0.33591	-2.04155	0.042734	0.946266
cg121272							
90	chr12	21531643		-0.30674	-2.04411	0.042478	0.946266
cg162650							
78	chr11	85955426		0.235261	2.041677	0.042722	0.946266
cg231997							
97	chr3	1.22E+08		-0.2387	-2.04334	0.042555	0.946266
cg029121							
29	chr20	57615494		-0.27743	-2.04722	0.042169	0.94602
cg024266							
11	chr16	87681276		-0.41454	-2.04357	0.042532	0.946266
cg227498							
59	chr20	61193998	SLCO4A1;GATA5	-0.42546	-2.04266	0.042623	0.946266
cg126340							
80	chr13	28549922		0.20178	2.044784	0.042411	0.946266
cg274094							
01	chr16	614852		-0.28931	-2.04251	0.042638	0.946266
cg157181							
62	chr19	47551509		-0.19716	-2.04437	0.042453	0.946266
cg213485							
33	chr8	37757250		0.146882	2.04344	0.042545	0.946266
cg000072							
39	chr4	1.66E+08		-0.28551	-2.04491	0.042398	0.946266
cg214332							
31	chr17	34820712		0.319822	2.044457	0.042443	0.946266
cg140808							
32	chr9	1.4E+08		-0.16865	-2.04267	0.042622	0.946266
cg062894							
44	chr6	1.7E+08		-0.21417	-2.0439	0.042499	0.946266
cg095743							
63	chr5	1.48E+08		-0.28429	-2.04368	0.042521	0.946266
cg071884							
88	chr1	46273758		-0.28831	-2.04241	0.042648	0.946266
cg081045							
79	chr17	74467662		-0.16961	-2.04243	0.042646	0.946266

cg014334							
20	chr19	3572873		-0.1757	-2.04435	0.042455	0.946266
cg053406							
58	chr4	99064831		0.291638	2.041812	0.042708	0.946266
cg053332							
79	chr2	20067114	OSR1;WDR35	-0.20077	-2.04276	0.042613	0.946266
cg076948							
48	chr2	20424984		-0.17533	-2.04343	0.042546	0.946266
cg142029							
46	chr4	1.7E+08		-0.18717	-2.04235	0.042655	0.946266
cg000681							
60	chr13	95362971		0.326753	2.042577	0.042632	0.946266
cg053592							
37	chr8	27338248		-0.20802	-2.04119	0.04277	0.946266
cg260112							
12	chr10	13259230		0.42438	2.042344	0.042655	0.946266
ch.4.2576							
3146F	chr4	26154048		-0.28646	-2.04768	0.042122	0.94602
cg103660							
10	chr19	35264189	ZNF599	-0.1998	-2.043	0.042589	0.946266
cg189196							
60	chr14	86032626		-0.26772	-2.04365	0.042524	0.946266
cg076477							
98	chr19	16296063		-0.16584	-2.04246	0.042644	0.946266
cg181461							
52	chr16	1400772	METR	0.268959	2.041256	0.042764	0.946266
cg073180							
73	chr4	74904359		-0.175	-2.04309	0.04258	0.946266
cg163092							
43	chr5	181808		-0.25409	-2.04292	0.042598	0.946266
cg074992							
59	chr1	12188502		-0.24381	-2.04346	0.042543	0.946266
cg219916							
33	chr19	9515211	ICAM1	-0.36982	-2.04076	0.042814	0.946266
cg180246							
31	chr1	1271862		0.211243	2.04428	0.042461	0.946266
cg253715							
64	chr1	43993236		-0.20542	-2.0437	0.042519	0.946266
cg057299							
95	chr10	74386032		0.19036	2.042405	0.042649	0.946266
cg163268							
19	chr2	1.19E+08		-0.15999	-2.04434	0.042455	0.946266
cg255542							
83	chr17	63558259		0.172461	2.044995	0.04239	0.946266
cg250343							
95	chr10	1.01E+08	DNMBP;ERLIN1	0.276432	2.047094	0.042181	0.94602
cg264198							
80	chr1	6515624	HES2	0.51944	2.043011	0.042588	0.946266
cg055087							
61	chr19	10047420		0.246399	2.043212	0.042568	0.946266

cg011396							
27	chr1	94344929		-0.19381	-2.04321	0.042568	0.946266
cg109226							
22	chr9	1.08E+08		-0.20376	-2.04447	0.042442	0.946266
cg014321							
20	chr2	1.29E+08		0.270119	2.041065	0.042783	0.946266
cg043781							
27	chr16	30968679		-0.20933	-2.04223	0.042666	0.946266
cg243416							
15	chr19	675741		-0.21625	-2.04443	0.042446	0.946266
cg096433							
13	chr7	94537893		0.230511	2.042722	0.042617	0.946266
cg266665							
12	chr16	30934656		-0.14424	-2.04243	0.042646	0.946266
cg004545							
92	chr2	12013993		-0.43409	-2.04181	0.042709	0.946266
cg238324							
97	chr6	1.22E+08		-0.4106	-2.042	0.042689	0.946266
cg169939							
36	chr10	13146903		-0.28472	-2.04092	0.042798	0.946266
cg098727		ENSG000002597					
74	chr15	72103908 81		-0.20444	-2.04321	0.042569	0.946266
cg175076							
71	chr4	1.12E+08		0.323123	2.042038	0.042686	0.946266
cg130865							
74	chr8	1.35E+08 ST3GAL1		-0.40558	-2.04391	0.042498	0.946266
		SPAG17;WDR3;G					
cg065139		DAP2;FAM46C;C					
74	chr1	1.18E+08 D2		0.32308	2.045184	0.042371	0.946266
cg045959							
83	chr4	1.56E+08		0.265802	2.042225	0.042667	0.946266
cg239062							
50	chr2	2.39E+08		-0.18254	-2.04134	0.042756	0.946266
cg197142							
79	chr2	2.37E+08		0.247466	2.043396	0.04255	0.946266
cg047085							
85	chr18	67137145		0.253317	2.042779	0.042611	0.946266
cg135209							
31	chr21	45660251		0.117041	2.043186	0.042571	0.946266
cg079623		FER1L6;FBXO32;					
11	chr8	1.25E+08 ZHX2		0.291885	2.040247	0.042866	0.946266
cg249651							
87	chr14	1.05E+08		-0.24144	-2.04106	0.042784	0.946266
cg253371							
24	chr6	1.67E+08 PDE10A		-0.25319	-2.04603	0.042287	0.946231
cg067143							
60	chr10	1.34E+08		-0.27898	-2.04277	0.042613	0.946266

cg084335						
38	chr9	1.3E+08 SH2D3C	0.34078	2.042193	0.04267	0.946266
cg132297						
82	chr17	21179777	0.279671	2.040787	0.042811	0.946266
cg080319						
58	chr21	47009726	0.239605	2.040916	0.042798	0.946266
cg020233						
67	chr10	1.35E+08	-0.251	-2.04272	0.042617	0.946266
cg072870						
30	chr5	1.35E+08 CXCL14	-0.24799	-2.04158	0.042732	0.946266
cg112481						
82	chr5	1.39E+08	-0.1552	-2.04216	0.042674	0.946266
cg263126						
16	chr2	95829017	-0.18521	-2.03998	0.042892	0.946266
cg160036						
01	chr19	50691441	-0.26685	-2.04272	0.042617	0.946266
cg102600						
50	chr11	1.18E+08	0.255365	2.041744	0.042715	0.946266
cg257254						
18	chr10	75639879 PPP3CB	-0.22556	-2.04352	0.042537	0.946266
cg140596						
15	chr6	28551669	0.261158	2.046762	0.042214	0.946105
cg233772						
36	chr6	3809610	-0.25265	-2.04404	0.042485	0.946266
cg273176						
47	chr8	1.46E+08	0.301229	2.040691	0.042821	0.946266
cg027826						
22	chr2	69534307	-0.18698	-2.04157	0.042732	0.946266
cg250199						
89	chr4	54961835	0.25951	2.041652	0.042724	0.946266
cg058295						
48	chr13	96087962	-0.22711	-2.04613	0.042277	0.946231
cg187183						
12	chr8	11772119	-0.21814	-2.0423	0.042659	0.946266
cg062713						
87	chr16	7138889	0.315779	2.041182	0.042772	0.946266
cg008395						
07	chr9	6680800	0.266144	2.044178	0.042471	0.946266
cg135702						
84	chr15	87807847	0.273949	2.04108	0.042782	0.946266
cg063688						
59	chr11	93905167	0.28496	2.042243	0.042665	0.946266
cg266566						
72	chr6	1.64E+08	0.453839	2.043784	0.042511	0.946266
cg242668						
51	chr3	19214779	-0.2899	-2.04182	0.042707	0.946266
cg075819						
78	chr13	80917058	0.145565	2.039912	0.042899	0.946266
cg185551						
42	chr7	1.55E+08	-0.23602	-2.04109	0.042781	0.946266

cg264460							
71	chr13	1.14E+08		0.197539	2.043482	0.042541	0.946266
cg143495							
31	chr7	1.43E+08		-0.23109	-2.04142	0.042748	0.946266
cg013187							
37	chr19	2918427		0.216661	2.046222	0.042268	0.946231
cg193223							
80	chr15	99408636		0.284699	2.042432	0.042646	0.946266
cg170031							
99	chr17	19186646 MFAP4		0.232924	2.041356	0.042754	0.946266
cg108605							
53	chr5	1399854		0.238464	2.041036	0.042786	0.946266
cg249391							
96	chr6	1.7E+08		-0.47758	-2.04186	0.042703	0.946266
cg059882							
66	chr3	67433172		0.255641	2.039148	0.042976	0.94648
cg088321							
95	chr7	40047674		-0.35504	-2.04122	0.042768	0.946266
cg220527							
78	chr19	1383916		-0.16282	-2.04115	0.042775	0.946266
cg116942							
62	chr13	1.01E+08		0.34657	2.040751	0.042815	0.946266
cg206587							
97	chr17	34757624		-0.182	-2.04187	0.042703	0.946266
cg233550							
40	chr11	1.19E+08		0.257238	2.042501	0.042639	0.946266
cg017951							
99	chr4	1808807		-0.39499	-2.04423	0.042466	0.946266
cg171578							
93	chr2	2.32E+08		-0.19736	-2.04108	0.042781	0.946266
cg223037							
39	chr20	30220521		0.366964	2.040588	0.042831	0.946266

			HDAC5;GJC1;HIG				
			D1B;ENSG00000				
cg171784			267505;GPATCH				
68	chr17	43049442	8;EFTUD2	-0.2511	-2.04052	0.042838	0.946266
cg078795							
40	chr7	75508716		-0.14873	-2.04071	0.042819	0.946266

			AFAP1;ABLIM2;P				
cg258403			SAPL1;HTRA3;AF				
18	chr4	8249430	AP1-AS1;SORCS2	-0.22708	-2.0476	0.042131	0.94602
cg077490							
55	chr19	23076870		-0.69372	-2.0409	0.0428	0.946266

cg214686							
81	chr6	84937459		-0.1858	-2.04304	0.042585	0.946266
cg063311							
13	chr20	1374740		-0.21563	-2.04233	0.042657	0.946266
cg221665							
65	chr17	901284		-0.2837	-2.04349	0.042541	0.946266
cg041514							
69	chr7	1.02E+08		-0.26679	-2.03958	0.042933	0.946266
cg165202							
38	chr17	45798480		-0.14323	-2.04911	0.041981	0.945538
cg239825							
68	chr8	6118526		-0.32739	-2.04007	0.042883	0.946266

cg063225			SRGAP3;SRGAP3-				
57	chr3	8399147	AS1;GRM7-AS1	-0.37585	-2.04115	0.042775	0.946266
cg007825							
03	chr13	28540622		0.231585	2.040201	0.04287	0.946266
cg187670							
58	chr5	1.39E+08		0.183848	2.040614	0.042829	0.946266
cg065021							
65	chr13	21562238		-0.37564	-2.04377	0.042512	0.946266
cg184297							
23	chr2	1.1E+08		-0.21867	-2.04041	0.04285	0.946266

cg046586			DLL4;C15orf52;G PR176;RHOV;CA				
99	chr15	40538101	SC5;SPINT1	-0.29622	-2.03987	0.042904	0.946266
cg223856							
23	chr1	1.45E+08		0.196566	2.043246	0.042565	0.946266
cg211320							
05	chr22	49583075		-0.30701	-2.03958	0.042933	0.946266
cg170172							
72	chr15	91447374	CRTC3	0.185254	2.041438	0.042746	0.946266
cg130212							
77	chr6	12012580		-0.16813	-2.0397	0.04292	0.946266
cg078878							
91	chr3	33429950		-0.23352	-2.04574	0.042315	0.946231
cg171871							
63	chr2	2.38E+08		0.203332	2.04163	0.042727	0.946266
cg065494							
79	chr17	36885900	SYNRG	0.180109	2.042542	0.042635	0.946266
cg118965							
87	chr19	39440734		0.242648	2.039643	0.042927	0.946266
cg260299							
97	chr3	48507610		-0.14016	-2.04228	0.042661	0.946266
cg259046			ENSG000002620				
59	chr17	916272	03	0.475566	2.039605	0.04293	0.946266

cg239010							
63	chr10	62704070	-0.17056	-2.04141	0.042749	0.946266	
cg091764							
02	chr1	38203765	0.340433	2.039291	0.042962	0.946398	
cg080424							
32	chr12	1.14E+08	-0.12548	-2.04455	0.042434	0.946266	
cg019577							
60	chr1	1.8E+08	0.352103	2.041991	0.04269	0.946266	
cg253075							
93	chr12	40499811	-0.13521	-2.04068	0.042822	0.946266	
cg005638							
47	chr5	93530270 MCTP1	-0.32988	-2.04032	0.042858	0.946266	
cg271440							
55	chr16	88379519	-0.17995	-2.04126	0.042764	0.946266	
cg076726							
31	chr10	38445710	-0.21818	-2.04246	0.042643	0.946266	
cg185597							
85	chr19	42915372	-0.10822	-2.0416	0.04273	0.946266	
cg019508							
10	chr6	31598385	0.186264	2.040655	0.042825	0.946266	
cg091305							
56	chr2	38304030	-0.24446	-2.04321	0.042568	0.946266	
cg022269							
39	chr17	28619481	0.292754	2.044901	0.042399	0.946266	
cg181840							
75	chr22	24951102	-0.17888	-2.0442	0.042469	0.946266	
cg059402							
02	chr8	1.18E+08	-0.21509	-2.04049	0.042842	0.946266	
cg273914							
97	chr16	1793411	-0.2219	-2.04053	0.042837	0.946266	
cg242483							
17	chr2	26986379	-0.19522	-2.03933	0.042958	0.946398	
cg270500							
31	chr18	76278167	-0.28739	-2.0402	0.042871	0.946266	
cg035864							
12	chr20	45811830	-0.2418	-2.04049	0.042841	0.946266	
cg052700							
84	chr17	5402197	-0.29808	-2.04019	0.042871	0.946266	
cg064660							
31	chr19	37329448 ZNF146	0.319723	2.040952	0.042795	0.946266	
cg094734							
95	chr2	2.42E+08	0.226439	2.041544	0.042735	0.946266	
cg178663							
73	chr1	2.29E+08	0.243467	2.038964	0.042995	0.946515	
cg078728							
68	chr2	27530153 SLC5A6;PREB	0.25431	2.038809	0.043011	0.946515	
cg223218							
10	chr2	1.9E+08	0.418846	2.03975	0.042916	0.946266	
cg028038							
36	chr10	1.31E+08	-0.24435	-2.03882	0.043009	0.946515	



cg206971							
72	chr11	18042499		-0.22352	-2.04178	0.042712	0.946266
cg173727							
38	chr5	72252497		-0.14559	-2.04195	0.042695	0.946266
cg149659							
47	chr9	88357129		-0.15832	-2.04119	0.04277	0.946266
cg211771							
00	chr9	1.39E+08		-0.26379	-2.04111	0.042778	0.946266
cg021038							
43	chr10	1.34E+08		-0.23511	-2.04023	0.042868	0.946266
cg252564							
93	chr10	72297852		-0.18665	-2.04021	0.042869	0.946266
cg221758							
14	chr17	71739339		0.274964	2.040535	0.042837	0.946266
cg037611							
62	chr2	2.4E+08		0.184758	2.038346	0.043057	0.946515
cg105140							
97	chr16	86544787		0.299939	2.041111	0.042779	0.946266
cg022541							
52	chr6	30295036		-0.15265	-2.04066	0.042824	0.946266
cg241196							
13	chr13	32330150		-0.22647	-2.04074	0.042816	0.946266
cg234132							
78	chr22	40052452		0.172536	2.039775	0.042913	0.946266
cg116424							
12	chr11	63768412		-0.17669	-2.04183	0.042706	0.946266
cg026628							
28	chr4	48492848		0.316393	2.04117	0.042773	0.946266
cg080132							
70	chr2	73145744		0.192543	2.04042	0.042848	0.946266
cg033836							
61	chr6	42714115 USP49		0.184448	2.037847	0.043108	0.946612
cg019377							
93	chr9	71940287		-0.26659	-2.04103	0.042787	0.946266
cg138768							
44	chr3	84885990		-0.36037	-2.04111	0.042779	0.946266

			RAD52;ENSG000				
cg103216			00249028;B4GA				
23	chr12	670520 LNT3		-0.20664	-2.04085	0.042805	0.946266
cg010492							
37	chr6	72925046		-0.25597	-2.03955	0.042936	0.946266
cg073901							
41	chr15	93427738		0.285069	2.038878	0.043004	0.946515
cg002605							
75	chr8	1.45E+08		-0.31248	-2.04154	0.042736	0.946266
cg136090							
89	chr6	10610691 TMEM170B		0.318801	2.042849	0.042604	0.946266

cg189484						
88	chr10	1.03E+08	0.23119	2.03798	0.043094	0.946592
cg075561						
03	chr1	2.45E+08	-0.25982	-2.04178	0.042712	0.946266
cg188137						
78	chr3	19116330 SATB1;EFHB	-0.30661	-2.03821	0.043071	0.946515
cg005727						
39	chr10	18948122	-0.2098	-2.04071	0.042819	0.946266
cg141480						
16	chr9	1.39E+08	-0.36667	-2.03874	0.043018	0.946515
cg229477						
48	chr6	1E+08	0.182934	2.038731	0.043018	0.946515
cg090159						
21	chr17	17714347	0.323322	2.042781	0.042611	0.946266
cg057552						
39	chr4	1.66E+08	-0.15394	-2.04131	0.042758	0.946266
cg065423						
02	chr12	1.33E+08	-0.33513	-2.03779	0.043114	0.946612
cg045291						
93	chr4	649901	0.279499	2.040101	0.04288	0.946266
cg002069						
99	chr3	58222569	-0.21413	-2.04048	0.042842	0.946266
cg095930						
33	chr15	25472237	-0.20268	-2.03888	0.043004	0.946515
cg149218						
98	chr22	30821542	-0.22531	-2.04054	0.042836	0.946266
cg008720						
62	chr4	40058947 UGDH-AS1	-0.20473	-2.0385	0.043042	0.946515
cg163969						
19	chr12	54521807 ITGA5;COPZ1	-0.27358	-2.03974	0.042917	0.946266
cg169440						
26	chr2	2.43E+08	0.268173	2.039317	0.042959	0.946398
cg204281						
53	chr15	90895389	0.253159	2.040572	0.042833	0.946266
cg206344						
75	chr1	2.04E+08	0.200746	2.041618	0.042728	0.946266
cg009822						
71	chr1	21672759	-0.17256	-2.04119	0.04277	0.946266
cg092214						
82	chr6	1.62E+08	0.196985	2.040711	0.042819	0.946266
cg201175						
19	chr7	8429907	0.349823	2.039978	0.042893	0.946266
cg100520						
38	chr3	1.96E+08	-0.22817	-2.04317	0.042572	0.946266
cg261521						
08	chr13	1.14E+08	0.286486	2.038382	0.043054	0.946515
cg068741						
44	chr2	2.32E+08	0.228425	2.039638	0.042927	0.946266
cg168192						
99	chr11	1.34E+08	-0.18174	-2.03854	0.043038	0.946515

cg099368							
45	chr1	1.57E+08		-0.21883	-2.04031	0.04286	0.946266
cg054208							
96	chr18	49867488		0.298816	2.04016	0.042874	0.946266
cg176958							
41	chr11	45825485	CRY2;MAPK8IP1	0.262835	2.039176	0.042974	0.946467
cg008636			CACNA1H;ENSG				
61	chr16	1019956	00000236829	0.232505	2.039827	0.042908	0.946266
cg261647							
73	chr10	1.21E+08		0.265586	2.040421	0.042848	0.946266
cg150898							
06	chr1	43418199	SLC2A1;TIE1	-0.24873	-2.03816	0.043076	0.946515
cg071160							
15	chr17	27046591		-0.20187	-2.03857	0.043035	0.946515
cg248119							
29	chr11	31391577		0.350232	2.036989	0.043195	0.946777
cg228795							
15	chr11	1.11E+08		0.241822	2.040896	0.0428	0.946266
cg038137							
30	chr6	1.69E+08		-0.26364	-2.03981	0.04291	0.946266
ch.19.230							
69863R	chr19	23278023		-0.31328	-2.04204	0.042686	0.946266
cg145696							
39	chr5	1.18E+08		0.208719	2.041082	0.042782	0.946266
cg216988							
40	chr4	76598899		-0.19534	-2.04005	0.042885	0.946266
cg074027							
24	chr6	74230764		0.148299	2.040199	0.04287	0.946266
cg066543							
02	chr4	1.69E+08		-0.14589	-2.03889	0.043003	0.946515
cg171629							
81	chr15	45248744		-0.2926	-2.04009	0.042882	0.946266
cg087268							
46	chr4	1.89E+08		0.216967	2.039075	0.042984	0.946515
cg044058							
74	chr8	86189883		-0.19304	-2.03929	0.042963	0.946398
cg140357			CTSV;ANKS6;TBC				
49	chr9	1.01E+08	1D2	-0.27551	-2.03767	0.043126	0.946612
cg190167							
14	chr10	80806029		0.24722	2.03835	0.043057	0.946515
cg252622							
61	chr3	1.97E+08		0.269538	2.037664	0.043126	0.946612
cg081423							
47	chr19	42440001		0.283347	2.037187	0.043175	0.946667
cg192939							
95	chr22	30685271		-0.13787	-2.03773	0.04312	0.946612

cg183477							
62	chr13	91499567		-0.27651	-2.038	0.043092	0.946592
cg200555							
81	chr6	1397057		0.346332	2.040151	0.042875	0.946266
cg103724							
76	chr1	2.37E+08		0.301844	2.03798	0.043094	0.946592
cg259323							
15	chr10	79190843	DLG5-AS1	0.268449	2.040098	0.042881	0.946266
cg155264							
69	chr17	13479097		-0.29086	-2.03837	0.043055	0.946515
cg058452							
36	chr13	67804635		-0.19668	-2.03844	0.043048	0.946515
cg013105							
43	chr8	692834		-0.22873	-2.04191	0.042698	0.946266
cg093705							
85	chr16	30706005		0.204353	2.037499	0.043143	0.946612
cg087054							
83	chr1	2.29E+08		0.244515	2.039558	0.042935	0.946266
cg193981							
12	chr19	14529923		-0.29229	-2.04012	0.042879	0.946266
cg140643							
99	chr5	1.26E+08		-0.15626	-2.03831	0.043061	0.946515
cg208593							
48	chr17	79634204		0.257137	2.039885	0.042902	0.946266
cg055130							
69	chr18	43608309		0.209281	2.038478	0.043044	0.946515
cg026480							
64	chr16	79614389		-0.22729	-2.03812	0.04308	0.946515
cg172141							
07	chr4	1.24E+08		0.310239	2.039215	0.04297	0.946467
cg084443							
06	chr2	1.59E+08		0.140118	2.03679	0.043215	0.946818
cg142655							
54	chr11	60691911		0.188825	2.03689	0.043205	0.946777
cg237123							
42	chr10	60936794		0.272319	2.037232	0.04317	0.946667
cg236327							
44	chr11	4674353		-0.26511	-2.03854	0.043037	0.946515
cg176712							
80	chr4	1.87E+08		-0.29338	-2.03743	0.04315	0.946654
cg167319							
58	chr6	33217289		-0.16621	-2.03758	0.043135	0.946612
cg239141							
46	chr18	30051268		0.171238	2.039483	0.042943	0.9463
cg274208							
89	chr4	1.87E+08		0.496869	2.03838	0.043054	0.946515

cg133282			SCARB1;BRI3BP; FAM101A;ATP6V				
09	chr12	1.25E+08	OA2	-0.34742	-2.04071	0.042819	0.946266
cg001111							
02	chr20	60509975		0.257698	2.039082	0.042983	0.946515
cg204345							
29	chr1	2.48E+08		0.522023	2.03875	0.043017	0.946515
cg168509							
17	chr3	47451026		-0.27689	-2.03758	0.043135	0.946612
cg041765							
32	chr22	50317003		-0.50597	-2.037	0.043194	0.946777
cg066913							
43	chr8	53326305		0.384373	2.04095	0.042795	0.946266
cg087373							
47	chr12	1.11E+08		0.190097	2.038091	0.043083	0.94654
cg102521							
38	chr17	58120427	HEATR6	-0.16254	-2.03821	0.043071	0.946515
cg263857							
43	chr2	1.31E+08		0.248115	2.03762	0.043131	0.946612
cg041715							
39	chr4	1.34E+08		-0.18832	-2.03934	0.042957	0.946398
cg028585							
10	chr14	51818419		-0.20484	-2.03779	0.043114	0.946612
cg214475							
14	chr12	1.32E+08		-0.24697	-2.03763	0.04313	0.946612
cg198009							
26	chr11	73087939		-0.15008	-2.03787	0.043105	0.946612
cg056079							
35	chr4	763393		0.240792	2.041606	0.042729	0.946266
cg081002							
21	chr16	783800		-0.40581	-2.04028	0.042862	0.946266
cg218723							
36	chr7	1710378		0.27251	2.037762	0.043117	0.946612
cg138061							
62	chr1	865013		-0.22361	-2.03674	0.04322	0.946818
cg166641							
93	chr17	35227046		0.226467	2.039772	0.042913	0.946266
cg228876							
63	chr6	52009019		-0.21682	-2.04113	0.042777	0.946266
cg101461							
12	chr10	1.35E+08		-0.19775	-2.03581	0.043315	0.947155
cg029068							
23	chr1	32927696	LCK;FNDC5	-0.27045	-2.03619	0.043276	0.947155
cg014975							
76	chr15	48413218		-0.22645	-2.04013	0.042877	0.946266

		MOK;MEG8;ENS					
		G00000271417;					
		ZNF839;ENSG00					
cg262423							
04	chr14	1.02E+08	000225746	-0.2908	-2.03859	0.043032	0.946515
		ZNF165;ENSG00					
		000272009;ZSCA					
cg052389							
17	chr6	28504946	N12P1	0.371925	2.037944	0.043098	0.946612
cg124122							
77	chr11	43380340		0.11483	2.037476	0.043145	0.946612
cg224483							
04	chr2	1.3E+08		-0.29239	-2.04103	0.042786	0.946266
cg030654							
76	chr19	29284229		-0.38616	-2.03602	0.043294	0.947155
cg197921							
94	chr11	1.25E+08		0.261838	2.040015	0.042889	0.946266
cg097387							
33	chr7	1245943		-0.25602	-2.037	0.043194	0.946777
cg220168							
70	chr2	2.38E+08		0.272069	2.037528	0.04314	0.946612
cg014086							
54	chr4	1.34E+08		0.342496	2.039811	0.04291	0.946266
cg029933							
40	chr8	30891743		-0.25432	-2.03768	0.043125	0.946612
cg060455							
76	chr22	19948957		-0.14576	-2.03813	0.04308	0.946515
cg190714							
90	chr10	1.35E+08		-0.24761	-2.03594	0.043301	0.947155
cg271307							
69	chr7	5417105		0.233608	2.037467	0.043146	0.946612
cg121471							
05	chr4	1.06E+08		-0.22112	-2.03815	0.043078	0.946515
cg200038							
93	chr8	1.44E+08	FAM83H-AS1	0.207337	2.037996	0.043093	0.946592
cg031667							
79	chr7	14029285		-0.36936	-2.03822	0.04307	0.946515
cg172802							
84	chr6	29414755		-0.24617	-2.03637	0.043258	0.947134
cg241480							
44	chr16	85061578		-0.17099	-2.03634	0.04326	0.947134
cg100085							
01	chr8	9763558		0.301261	2.038608	0.043031	0.946515
cg236196							
05	chr22	40021839		-0.18973	-2.04014	0.042877	0.946266
cg053996							
92	chr13	46190198		0.231429	2.035781	0.043317	0.947155

cg09238746	chr17	78121135	-0.33817	-2.03678	0.043216	0.946818
cg05533001	chr7	2019608	-0.54929	-2.03682	0.043211	0.946818
cg27631005	chr1	1.74E+08	-0.23749	-2.03562	0.043333	0.947155
cg14202478	chr12	67463281	0.147143	2.03694	0.0432	0.946777
cg23489630	chr19	44645078	0.659979	2.035355	0.043361	0.947155
cg06610125	chr11	1.34E+08	0.269723	2.037209	0.043172	0.946667
cg12564151	chr8	1.42E+08	0.237744	2.036249	0.04327	0.947134
cg13954548	chr19	47334060	-0.30785	-2.04297	0.042593	0.946266

cg008885							
21	chr5	80256971		0.425036	2.039696	0.042921	0.946266
cg041201							
71	chr15	83775850		0.300594	2.039006	0.042991	0.946515
cg050361							
30	chr6	1.5E+08	LRP11;PPP1R14C	0.247243	2.039034	0.042988	0.946515
cg108450							
73	chr5	72144864		-0.28029	-2.03549	0.043347	0.947155
cg098335							
45	chr11	1.17E+08		-0.23085	-2.03466	0.043431	0.947155
cg077212							
03	chr15	58357922		0.250337	2.035215	0.043375	0.947155
cg204245							
31	chr11	1.13E+08	NNMT	0.229898	2.03997	0.042894	0.946266
cg220125							
30	chr8	1.45E+08		0.29715	2.034496	0.043448	0.947253
cg136387							
03	chr22	36691716		-0.20934	-2.03762	0.043131	0.946612
cg030629							
44	chr10	6183455		-0.42855	-2.03588	0.043307	0.947155
cg228436							
70	chr3	1.5E+08		0.278866	2.037242	0.043169	0.946667
cg240391							
02	chr12	1.32E+08	RAN	0.205315	2.036265	0.043268	0.947134
cg205541							
42	chr8	1.43E+08		-0.37534	-2.03537	0.043359	0.947155
cg011879			PRDX3P4;ENSG0				
52	chr3	63850081	0000224479	-0.15704	-2.03833	0.043059	0.946515
cg182321							
30	chr19	44027824	PINLYP	-0.27614	-2.03593	0.043302	0.947155
cg041659							
33	chr16	49833847	ADCY7;CYLD	-0.29018	-2.03565	0.043331	0.947155
cg095754							
72	chr5	1.74E+08		0.16316	2.038989	0.042992	0.946515
cg188031			NKAPL;PGBD1;Z				
04	chr6	28956324	NF165;HCG14	0.424523	2.035624	0.043333	0.947155
cg018249							
31	chr7	1642224		-0.31314	-2.03478	0.043419	0.947155
cg163064			ENSG000002196				
98	chr19	12146696	65;ENSG000002	0.206209	2.036127	0.043282	0.947155
cg013557							
53	chr16	30457524	40616	0.312427	2.033903	0.043509	0.94741



			ENSG000002732				
			95;ENSG000002				
			25282;ENSG000				
			00272955;ENSG				
			00000218537;G				
			STT1;ENSG0000				
cg161323			0235231;ENSG0				
39	chr22	24313637	0000272787	0.290193	2.035492	0.043347	0.947155
cg264414							
99	chr7	1.09E+08		0.300748	2.036862	0.043208	0.946792
cg038160							
62	chr2	1.01E+08		-0.25232	-2.03737	0.043156	0.946667
cg002843							
90	chr16	84492635		-0.2317	-2.03497	0.043399	0.947155
cg206731							
32	chr19	1368815		0.20637	2.037324	0.043161	0.946667
cg046311							
63	chr11	17905972		-0.26631	-2.03514	0.043383	0.947155
cg056035							
27	chr2	71131629	DYSF	0.282095	2.035284	0.043368	0.947155
cg141753							
04	chr17	78237397		-0.26323	-2.03474	0.043423	0.947155
cg210685							
22	chr14	32671479		0.238136	2.037281	0.043165	0.946667
cg029985							
91	chr4	1.88E+08		0.292463	2.037271	0.043166	0.946667
cg158965							
60	chr1	2.46E+08	HNRNPU-AS1	-0.2054	-2.03467	0.04343	0.947155
cg010712							
89	chr6	1.63E+08		-0.21828	-2.03837	0.043055	0.946515
cg044981			YY1AP1;ASH1L-				
90	chr1	1.55E+08	AS1	-0.17357	-2.0386	0.043032	0.946515
cg127176							
12	chr20	56321500		-0.23928	-2.03562	0.043334	0.947155
cg022946							
87	chr1	1.83E+08		-0.17633	-2.03493	0.043404	0.947155
cg267444							
02	chr11	28588618	KIF18A	0.29397	2.038156	0.043077	0.946515
cg129477							
57	chr6	33146725		-0.17237	-2.03403	0.043496	0.947337
cg007721							
92	chr7	48552817	PKD1L1	0.29466	2.037712	0.043122	0.946612

cg192988							
21	chr5	1.26E+08		-0.26615	-2.03973	0.042918	0.946266
cg013818							
29	chr22	40573054 MKL1		-0.32781	-2.03727	0.043166	0.946667
cg246746							
35	chr20	6750696		-0.23554	-2.03639	0.043256	0.947134
cg195356							
09	chr12	1.23E+08		0.208624	2.036985	0.043195	0.946777
cg093051							
17	chr17	34842619 SLFN12L		-0.12686	-2.03627	0.043268	0.947134
cg257355							
72	chr11	1159315		-0.19303	-2.03442	0.043456	0.947279
cg180087							
66	chr2	38978896 CYP1B1		0.261333	2.038283	0.043064	0.946515
cg056725		TSNAXIP1;ENKD					
54	chr16	68543779 1;SLC7A6OS		-0.20403	-2.03485	0.043412	0.947155
cg127017							
68	chr10	75597445		-0.19266	-2.03469	0.043429	0.947155
cg151644							
46	chr8	1.44E+08		-0.2058	-2.03433	0.043465	0.947298
cg177258							
07	chr21	34601817 ITS1		0.315886	2.035413	0.043355	0.947155
cg047817							
41	chr7	1.52E+08 RHEB		-0.25162	-2.03627	0.043268	0.947134
cg245608							
98	chr10	1.35E+08		-0.21048	-2.03653	0.043242	0.947097
cg051649							
26	chr17	7255624		0.465947	2.035504	0.043346	0.947155
cg018121							
46	chr1	94704178 MTND4P11		0.247133	2.034634	0.043434	0.947155
cg206029							
14	chr7	5404813 RNF216		-0.3072	-2.03353	0.043547	0.947515
cg078549							
54	chr4	83348086		0.282925	2.035942	0.043301	0.947155
cg253614							
47	chr6	33264834 HSD17B8		0.296135	2.033794	0.04352	0.94746
cg064338							
01	chr4	83384006 ENOPH1;LIN54		0.292115	2.036745	0.04322	0.946818
cg256095							
07	chr10	50821597		0.360523	2.037158	0.043178	0.946667
cg272628							
70	chr11	1.22E+08		-0.35198	-2.03672	0.043222	0.946818
cg126121							
18	chr6	392555		0.280912	2.036313	0.043263	0.947134
cg261278							
36	chr12	14926744		0.513565	2.035786	0.043317	0.947155
cg235001							
22	chr3	1.72E+08		0.235244	2.038476	0.043044	0.946515

cg106486							
29	chr5	1.75E+08		-0.27415	-2.03529	0.043367	0.947155
cg012956							
00	chr6	32812332	WDR46	-0.17784	-2.03717	0.043176	0.946667
cg018078			C4orf22;ENSG00				
25	chr4	80329368	000232327	-0.34822	-2.03461	0.043437	0.947155
cg119771							
39	chr19	47969574		0.321717	2.034706	0.043427	0.947155
cg041228							
73	chr6	28956226		0.440787	2.03691	0.043203	0.946777
cg168957							
19	chr8	25899257		0.207523	2.035571	0.043339	0.947155
cg121649							
55	chr13	1.07E+08		-0.20087	-2.04041	0.042849	0.946266
cg229661							
09	chr19	18434177		-0.1843	-2.03731	0.043163	0.946667
cg233844							
28	chr6	1.54E+08		0.229332	2.036972	0.043196	0.946777
cg260624			MOK;ENSG0000				
76	chr14	1.04E+08	0259508;HSP90 AA1;TRAF3	0.53185	2.03947	0.042944	0.9463
cg125175			PTPRF;TMEM12				
77	chr1	43769489	5;TIE1;KDM4A;L EPRE1;SLC6A9;T MSB4XP1;CCDC2 4;CCDC30;ST3G AL3;EBNA1BP2	-0.25471	-2.03489	0.043408	0.947155
cg023811							
92	chr7	1452425		0.262054	2.033211	0.043579	0.947568
cg262567							
93	chr1	1.04E+08		-0.36352	-2.03488	0.043409	0.947155
cg106177			MACC1;ENSG00				
82	chr7	21070977	000271133	-0.23831	-2.03601	0.043294	0.947155
cg138000							
22	chr10	33246313		-0.21933	-2.03513	0.043384	0.947155
cg014975							
61	chr11	1.13E+08		0.269358	2.034992	0.043398	0.947155
cg232217							
91	chr6	73520383		-0.29384	-2.03953	0.042938	0.946266
cg155589							
69	chr2	748534		0.299097	2.034332	0.043465	0.947298

cg197159							
36	chr7	50634035		0.24749	2.037639	0.043129	0.946612
cg083494							
97	chr3	76610928		-0.41764	-2.03482	0.043415	0.947155
cg122553							
52	chr13	24375209		0.323861	2.034064	0.043492	0.947337
cg255462							
48	chr13	28395783		0.270324	2.034838	0.043413	0.947155
cg241427							
35	chr11	33276523		-0.19955	-2.03607	0.043288	0.947155
cg149431							
13	chr14	95240444		0.263027	2.034892	0.043408	0.947155
cg135876			SUSD3;FGD3;CE				
21	chr9	95497984	NPP;OMD	-0.23956	-2.03502	0.043394	0.947155
cg071367							
15	chr1	2.3E+08		0.302221	2.035213	0.043375	0.947155
cg082534							
94	chr19	33696285		-0.2121	-2.03989	0.042901	0.946266
cg241855							
76	chr11	30607360		0.277825	2.033796	0.043519	0.94746
cg229186							
34	chr14	73392931		0.15572	2.036293	0.043265	0.947134
cg078322							
03	chr1	1.61E+08		0.155379	2.035585	0.043337	0.947155
cg063165							
02	chr10	348989		0.177377	2.034429	0.043455	0.947279
cg102661							
88	chr1	32645867		-0.30024	-2.0349	0.043406	0.947155
cg186995							
26	chr5	2132878		-0.30748	-2.0343	0.043468	0.947298
cg070089							
38	chr1	1.73E+08		0.20256	2.036652	0.043229	0.946891
cg150853							
72	chr3	1.31E+08		-0.21442	-2.03511	0.043385	0.947155
cg204153							
65	chr1	2.03E+08		0.218926	2.035033	0.043393	0.947155
cg175432							
96	chr1	20880378	MINOS1;PLA2G5	0.243726	2.034554	0.043442	0.947217
cg156497							
10	chr11	75907205	ARRB1	-0.25146	-2.03176	0.043727	0.948459
cg218333							
66	chr12	1.31E+08		0.240961	2.035268	0.04337	0.947155
cg213150							
98	chr2	1.9E+08		-0.32488	-2.03496	0.043401	0.947155
cg039953							
61	chr3	42575730		-0.22709	-2.0324	0.043663	0.94812
cg030607							
64	chr7	4260967		-0.26061	-2.03298	0.043603	0.947568

cg176193							
47	chr7	1E+08		0.210264	2.034653	0.043432	0.947155
cg006355							
99	chr16	14165630		-0.17187	-2.03599	0.043296	0.947155
cg210919			TNXB;LST1;HLA-				
85	chr6	31706222	B;HCP5;DDAH2;				
cg129936			HLA-DRA;MICA	-0.31092	-2.03927	0.042964	0.946398
63	chr11	1.18E+08		0.217071	2.035728	0.043323	0.947155
cg126366							
07	chr6	1.12E+08		-0.33015	-2.03357	0.043542	0.947496
cg188910							
37	chr11	1.13E+08		0.225771	2.035368	0.043359	0.947155
cg082732			ST13P16;ENSGO				
33	chr6	87724979	0000218793	-0.31924	-2.03412	0.043486	0.947337
cg105575			DIO3OS;TRAF3;T				
52	chr14	1.03E+08	NFAIP2	0.343598	2.033233	0.043577	0.947568
cg095077			SNRPD1;CABLES				
90	chr18	19752343	1	0.312001	2.034663	0.043431	0.947155
cg180121							
14	chr4	1.87E+08		-0.27234	-2.0342	0.043478	0.947337
cg200538							
45	chr10	1.33E+08		0.21916	2.033659	0.043533	0.947496
cg234102							
20	chr14	93799762		-0.15699	-2.0356	0.043336	0.947155
cg218217							
55	chr7	88315898		0.216624	2.033935	0.043505	0.947388
cg175498							
53	chr21	46932386		0.24762	2.034086	0.04349	0.947337
cg138106							
60	chr11	66176168		-0.24814	-2.03474	0.043424	0.947155
cg187911							
36	chr2	2.01E+08		-0.304	-2.03213	0.04369	0.948416
cg142322							
89	chr17	71161796		-0.17698	-2.03272	0.043629	0.947699
cg133944							
91	chr5	15737401	ANKH;RBBP4P1	0.284208	2.035303	0.043366	0.947155
cg162894							
91	chr5	1.32E+08		0.222198	2.034653	0.043432	0.947155
cg228306							
38	chr2	73209573	RAB11FIP5	-0.30315	-2.03241	0.043661	0.94812
cg182401							
43	chr14	60952599		0.208172	2.032061	0.043697	0.948416

cg233524							
92	chr17	80823397	SECTM1	0.395205	2.034894	0.043408	0.947155
cg047745							
81	chr10	1.34E+08		-0.14994	-2.03358	0.043542	0.947496
cg193755							
39	chr2	64008069		0.256124	2.033753	0.043524	0.947474
cg152491			ENSG000002473				
19	chr12	1.25E+08	73	-0.3225	-2.03294	0.043606	0.947568
			CD44;ELF5;LMO				
			2;ENSG0000025				
			1194;ENSG0000				
cg227319			0184566;CD59;P				
81	chr11	34535579	AMR1;SLC1A2	0.444412	2.035617	0.043334	0.947155
cg183925							
40	chr1	2.13E+08		-0.24996	-2.03423	0.043475	0.947337
cg096834							
13	chr2	16400723		-0.26465	-2.03342	0.043558	0.947568
cg189051							
61	chr6	84742998		-0.20785	-2.03296	0.043605	0.947568
cg021698							
57	chr2	1.11E+08		-0.53892	-2.03303	0.043598	0.947568
cg083778							
88	chr19	12948848		0.27095	2.032854	0.043616	0.947595
cg097886							
66	chr13	41345475		-0.18299	-2.03692	0.043202	0.946777
cg108513							
50	chr6	31600597	AIF1	-0.25785	-2.03445	0.043453	0.947279
cg170371							
01	chr11	2161314	CDKN1C	0.304695	2.036473	0.043247	0.947134
cg161942							
92	chr7	1.01E+08	FAM185A	-0.26907	-2.03664	0.04323	0.946891
cg027696							
14	chr6	32135052		0.403907	2.034035	0.043495	0.947337
cg097530							
43	chr11	43596920		0.196952	2.031271	0.043778	0.948459
cg261440							
70	chr21	45874614		0.259742	2.034307	0.043467	0.947298
cg139207							
92	chr2	2.35E+08		-0.22396	-2.03187	0.043717	0.948459
cg225262							
88	chr12	1.2E+08	RNU4-1	-0.23027	-2.03435	0.043463	0.947298
cg213018							
05	chr1	1.2E+08		0.332422	2.035483	0.043348	0.947155
cg168324							
07	chr9	73736539		0.281594	2.034618	0.043436	0.947155

cg051825							
83	chr6	31598464		-0.22664	-2.03402	0.043497	0.947337
cg025691							
38	chr2	2.17E+08		0.295973	2.033505	0.043549	0.947522
cg243823							
38	chr3	20231061		-0.33544	-2.03208	0.043695	0.948416
cg030378							
56	chr2	2.2E+08 DES		0.269845	2.032991	0.043602	0.947568
cg105087							
60	chr1	1.67E+08		0.244603	2.033377	0.043562	0.947568
cg070613							
55	chr8	1.18E+08		0.242088	2.034631	0.043434	0.947155
cg006470							
46	chr10	1.35E+08 LRRC27;TTC40		-0.33968	-2.03567	0.043329	0.947155
cg198215							
82	chr14	32670656		-0.13387	-2.03281	0.04362	0.94762
cg087533							
31	chr8	1895010 ARHGEF10		-0.20068	-2.03645	0.043249	0.947134
cg119377							
68	chr10	65344030		0.525322	2.031331	0.043772	0.948459
cg189511							
35	chr2	2.02E+08		-0.29637	-2.03146	0.043758	0.948459
cg035629		ENSG000002257					
78	chr14	1.01E+08 46		-0.28274	-2.034	0.043498	0.947337
cg191136							
41	chr2	20866242		0.183845	2.03209	0.043694	0.948416
cg129726							
43	chr3	1.97E+08		-0.12768	-2.03404	0.043494	0.947337
cg224919							
27	chr19	13617091 ZNF709		0.270692	2.033395	0.04356	0.947568
cg061814							
63	chr3	64009142		0.159622	2.033841	0.043515	0.947451
cg179604							
42	chr5	1.11E+08 EPB41L4A		-0.21455	-2.03358	0.043542	0.947496
cg109536							
55	chr17	46656664		0.29462	2.030294	0.043878	0.94883
cg121105							
29	chr3	1.41E+08		-0.20095	-2.03453	0.043444	0.947217
cg150224							
20	chr7	1.57E+08		-0.3297	-2.03336	0.043564	0.947568
cg000086		ZNF662;FAM198					
65	chr3	43146780 A		0.290853	2.032179	0.043685	0.948395
cg136986							
11	chr9	35545376		0.235528	2.033313	0.043569	0.947568
cg189694							
11	chr6	26521272		-0.24362	-2.03179	0.043724	0.948459
cg138579		FAIM3;CR1;PIGR					
33	chr1	2.08E+08 ;CD46;PLXNA2		-0.24622	-2.03201	0.043702	0.94843

cg085702						
43	chr2	1.11E+08	-0.61094	-2.03325	0.043575	0.947568
cg188394						
16	chr1	12805849	-0.21799	-2.03146	0.043759	0.948459
cg235044						
63	chr6	70876463	-0.23022	-2.03209	0.043694	0.948416
cg181379						
31	chr6	28984374	0.372278	2.031016	0.043804	0.948463
cg180293						
21	chr5	1.4E+08 DIAPH1	0.615675	2.0334	0.04356	0.947568
cg178812						
00	chr7	27138850	0.340437	2.031345	0.04377	0.948459
cg041236						
85	chr22	36897340	0.258003	2.031197	0.043785	0.948459
cg041635						
40	chr7	30174240	-0.12944	-2.03316	0.043584	0.947568
cg029300						
33	chr7	1.57E+08	0.235896	2.032719	0.043629	0.947699
cg139835						
66	chr15	64336065	-0.20879	-2.03225	0.043677	0.948327
cg241499						
04	chr8	6691719	0.207724	2.032389	0.043663	0.94812
cg092580						
22	chr7	6057349	0.298831	2.034787	0.043418	0.947155
cg102885						
41	chr7	1.57E+08	0.275013	2.030045	0.043903	0.948843
cg104535						
50	chr4	1.22E+08 BBS7	-0.24033	-2.03843	0.043049	0.946515
cg092785						
40	chr4	74719112	0.285326	2.034722	0.043425	0.947155
cg112989						
89	chr19	54960853	0.141631	2.034161	0.043482	0.947337
cg154174						
98	chr9	94187181	0.22844	2.032204	0.043682	0.948387
cg003311						
83	chr16	88587885	0.178476	2.031199	0.043785	0.948459
cg229676						
12	chr20	44601165	-0.17054	-2.03094	0.043812	0.948463
cg054846						
91	chr10	321879 GTPBP4;PRR26	-0.16474	-2.03314	0.043586	0.947568
cg234730						
88	chr12	54529138	-0.23203	-2.03315	0.043586	0.947568
cg067961						
20	chr17	80772942 PYCR1	0.271585	2.030095	0.043898	0.948843
cg208767						
60	chr6	9399379	0.438713	2.032909	0.04361	0.947568
cg072219						
67	chr1	18969717	0.185087	2.033589	0.043541	0.947496
cg134268						
76	chr1	18691894	-0.29094	-2.0315	0.043755	0.948459



cg118817			DENND5B;FAM6				
35	chr12	30945390	0A	-0.43976	-2.03179	0.043724	0.948459
cg186259							
51	chr7	1.48E+08		0.217541	2.031941	0.043709	0.948459
cg252829							
51	chr1	15095376		-0.28262	-2.02996	0.043913	0.948843
cg144833							
83	chr11	64022763		0.216135	2.03109	0.043796	0.948463
cg065206							
75	chr10	1.03E+08		0.206458	2.031507	0.043753	0.948459
cg002388			ENSG000002323				
05	chr2	2.4E+08	06	-0.27914	-2.03075	0.043831	0.948657
cg163026							
17	chr3	1.17E+08		0.26882	2.032275	0.043675	0.948327
cg259013							
81	chr7	27225485		0.25109	2.030211	0.043886	0.948843
cg190777							
61	chr13	46956959		0.303602	2.033744	0.043525	0.947474
cg105777							
13	chr1	2.04E+08		-0.21489	-2.03179	0.043725	0.948459
cg011909							
74	chr2	97650711		-0.19792	-2.03395	0.043504	0.947388
cg003363							
20	chr6	36253099	MAPK13	0.289826	2.030949	0.043811	0.948463
cg188853							
46	chr6	51953114		-0.29839	-2.03127	0.043778	0.948459
cg255812			FAM96A;APH1B;				
22	chr15	64539239	CA12	-0.39963	-2.03386	0.043513	0.947451
cg174036							
09	chr5	1.8E+08		0.304138	2.032709	0.04363	0.947699
cg223650							
63	chr1	2.31E+08		0.135454	2.030717	0.043834	0.948657
cg074150							
85	chr11	48977834		-0.20765	-2.03027	0.04388	0.948831
cg037327							
62	chr21	34443010		0.234426	2.032676	0.043634	0.947724
cg012870							
12	chr5	95954300		-0.31244	-2.03052	0.043854	0.948657
cg058892							
34	chr10	1.03E+08		0.263592	2.03148	0.043756	0.948459
cg147599							
31	chr18	77631636	RBFADN	0.233558	2.031856	0.043718	0.948459
cg020850							
77	chr16	88877767		0.141125	2.03356	0.043543	0.947496
cg186576							
43	chr3	1.96E+08		0.375427	2.032898	0.043611	0.947568
cg273273							
07	chr19	1949981		-0.19696	-2.03101	0.043805	0.948463

cg152557							
97	chr7	1.5E+08	GIMAP8;ATG9B	0.247559	2.032898	0.043611	0.947568
cg006711							
61	chr13	52586367		0.117764	2.031426	0.043762	0.948459
cg211510							
57	chr7	1.57E+08		0.224687	2.031274	0.043777	0.948459
cg123024			SIGLEC9;ENSG00				
28	chr19	52408520	000167765	0.29567	2.030378	0.043869	0.948692
cg109255							
18	chr14	36698832		-0.33092	-2.03046	0.043861	0.948657
cg108374							
04	chr5	1.12E+08		-0.41187	-2.03089	0.043817	0.948515
cg061033							
77	chr15	39771589		0.315469	2.030534	0.043853	0.948657
cg013375							
15	chr21	46131737		-0.23506	-2.03161	0.043743	0.948459
cg180365							
35	chr8	55087818		-0.24498	-2.03052	0.043855	0.948657
cg172396							
78	chr1	38273928	FHL3	-0.14543	-2.03145	0.043759	0.948459
cg059044							
11	chr18	46990953		-0.31256	-2.02998	0.04391	0.948843
cg143963							
28	chr7	45761429		0.234449	2.030203	0.043887	0.948843
cg165573							
70	chr13	27295982		0.333295	2.029995	0.043909	0.948843
cg037589							
18	chr6	45389877		0.217398	2.031124	0.043793	0.948463
cg053487							
93	chr16	14041557		-0.24392	-2.03203	0.0437	0.94843
cg188074							
66	chr14	64932715		0.370932	2.030102	0.043898	0.948843
cg111007							
65	chr1	31886797		-0.19423	-2.03408	0.04349	0.947337
cg122787							
99	chr22	36903320		0.149874	2.031563	0.043748	0.948459
cg159105							
94	chr11	68747554		0.342711	2.031349	0.04377	0.948459
cg028433							
49	chr8	72917432		0.237791	2.033692	0.04353	0.947496
cg117612							
00	chr2	79349970		-0.29888	-2.03136	0.043768	0.948459
cg016843							
18	chr3	1.83E+08		-0.1655	-2.02974	0.043935	0.948985
cg136628							
51	chr12	48723821		-0.27136	-2.02846	0.044066	0.949163
cg061484							
80	chr2	1.62E+08		0.241079	2.033158	0.043585	0.947568

cg007691							
12	chr19	3981163		0.192231	2.030465	0.04386	0.948657
cg051944							
81	chr10	403383		-0.21544	-2.0312	0.043785	0.948459
cg086926							
88	chr20	30220503		0.286731	2.029853	0.043923	0.948947
cg130503							
57	chr4	1332618		-0.16379	-2.03296	0.043605	0.947568
cg203443							
26	chr6	1.38E+08		-0.24677	-2.02951	0.043958	0.949017
cg111534			ENSG000002419				
00	chr22	46449498	90	-0.40106	-2.02932	0.043978	0.949017
cg083320							
74	chr16	51189941		0.212486	2.032999	0.043601	0.947568
cg200941							
11	chr3	1.16E+08		-0.3302	-2.03335	0.043565	0.947568
cg101793							
00	chr5	14147618	TRIO;ANKH	0.30885	2.029177	0.043993	0.949017
cg231979							
35	chr19	53031138	ZNF649	0.185414	2.033621	0.043537	0.947496
cg079728							
05	chr11	1.34E+08		-0.47287	-2.02858	0.044054	0.949163
cg025623							
44	chr6	28985894		0.310047	2.031142	0.043791	0.948463
cg224167							
69	chr21	43236431		-0.23033	-2.03239	0.043663	0.94812
cg265886							
99	chr20	3637463		-0.30183	-2.02953	0.043956	0.949017
cg082738							
74	chr16	1060765		0.17542	2.03142	0.043762	0.948459
cg200764							
42	chr8	72745197		0.355781	2.027816	0.044133	0.94923
cg076164							
99	chr10	30324789		-0.25333	-2.03051	0.043856	0.948657
cg259969							
04	chr7	99627941		-0.15986	-2.03465	0.043432	0.947155
cg190142			SORL1;CRTAM;H				
14	chr11	1.22E+08	SPA8	0.256081	2.031221	0.043783	0.948459
cg266508							
46	chr5	1.79E+08		-0.18482	-2.03002	0.043906	0.948843
cg044534							
88	chr8	1.46E+08		-0.18218	-2.02979	0.04393	0.948979
cg007937							
95	chr8	1.01E+08		-0.26119	-2.02998	0.04391	0.948843
cg006477							
41	chr19	58693450		0.263787	2.031592	0.043745	0.948459
cg066449							
98	chr2	2.01E+08		-0.37427	-2.03155	0.043749	0.948459

cg219418			TOMM22;MIEF1				
21	chr22	39712633	;FAM227A	-0.20382	-2.03117	0.043788	0.948463
cg038180							
55	chr2	1.34E+08		-0.30521	-2.03047	0.04386	0.948657
cg209386							
65	chr11	6341842		0.264474	2.030111	0.043897	0.948843
cg115484							
11	chr10	1.03E+08		0.246647	2.028063	0.044108	0.949188
cg192252							
80	chr6	34846110		0.170513	2.029489	0.043961	0.949017
cg159074							
73	chr13	95253641		0.387961	2.02869	0.044043	0.949163
cg073923							
85	chr10	1.09E+08		0.280595	2.032509	0.043651	0.948047
cg141061							
67	chr9	23851770		0.264961	2.029319	0.043978	0.949017
cg084718							
35	chr19	20278423	ZNF826P	0.198136	2.031676	0.043736	0.948459
cg037788							
99	chr10	93682808		-0.34757	-2.02901	0.04401	0.949017
cg050164							
01	chr16	29874803		-0.1894	-2.02961	0.043949	0.949017
cg141009							
73	chr4	87280816		0.348756	2.029519	0.043958	0.949017
cg227876							
04	chr8	1509810		0.248398	2.030514	0.043855	0.948657
cg011845							
20	chr16	75032509		-0.17617	-2.03284	0.043617	0.947595
cg274315							
45	chr2	1.74E+08		0.280759	2.030106	0.043897	0.948843
cg042032							
98	chr11	59521722		-0.19709	-2.02865	0.044047	0.949163
cg040686							
01	chr20	2844713		0.18828	2.030478	0.043859	0.948657
cg274388							
32	chr17	77919434		-0.1823	-2.03158	0.043746	0.948459
cg043322							
58	chr3	1.95E+08		-0.18626	-2.02892	0.04402	0.949017
cg009442							
27	chr8	1.24E+08		-0.28879	-2.0288	0.044032	0.9491
cg096237							
73	chr7	1.55E+08		-0.39144	-2.02894	0.044018	0.949017
cg187500							
49	chr11	1.04E+08		-0.19421	-2.03426	0.043472	0.947331
				VWF;ANO2;CLST			
cg046364			N3;C1RL;IFFO1;C				
06	chr12	6993009	1R	-0.31582	-2.03078	0.043828	0.948657

cg116088			LSM2;RNF5;CLIC				
93	chr6	32059542	1	-0.17741	-2.02899	0.044012	0.949017
cg251252							
98	chr5	71853215		0.228279	2.030769	0.043829	0.948657
cg228552							
74	chr2	64485830		-0.21409	-2.02937	0.043973	0.949017
cg063915							
63	chr6	33679659		-0.2168	-2.03139	0.043765	0.948459
cg183150							
40	chr15	99640746		0.229421	2.030394	0.043868	0.948692
cg211728							
14	chr1	1.8E+08		-0.21373	-2.0331	0.043591	0.947568
			ENSG000002723				
cg148028			74;SCUBE3;TCP1				
76	chr6	34217098	1	-0.14157	-2.02912	0.043999	0.949017
cg000153							
43	chr11	44786266		-0.1958	-2.02897	0.044014	0.949017
cg162234							
36	chr10	97146550	BLNK	-0.25982	-2.03064	0.043843	0.948657
cg055981							
20	chr16	588482		-0.2024	-2.02819	0.044094	0.949188
cg166910							
33	chr19	291265		0.213565	2.02829	0.044084	0.949163
cg082570							
88	chr16	3726052		-0.20257	-2.03132	0.043773	0.948459
cg042838			TYW5;CFLAR-				
68	chr2	2.01E+08	AS1	0.322248	2.028114	0.044102	0.949188
cg239895							
16	chr11	65554385		-0.15782	-2.02893	0.044019	0.949017
cg153164							
58	chr14	50087796		-0.16458	-2.02783	0.044131	0.94923
cg060614							
08	chr2	1.06E+08		-0.15987	-2.02854	0.044059	0.949163
cg044044							
89	chr13	79175210		0.219664	2.033296	0.04357	0.947568
cg169662							
01	chr10	50603359		-0.25155	-2.03046	0.043861	0.948657
cg073878							
13	chr3	40499408		-0.21274	-2.02905	0.044006	0.949017
ch.10.800							
61816F	chr10	80391810	PPIF	-0.29255	-2.02764	0.044151	0.949368
cg029297							
86	chr17	4646237		0.170307	2.027872	0.044127	0.94923
cg010194							
84	chr6	44499229		-0.25241	-2.02971	0.043938	0.948985
cg269575							
60	chr18	77308241		-0.2248	-2.02898	0.044013	0.949017
cg092740							
94	chr12	21810759		0.172626	2.031632	0.043741	0.948459

cg275856			GFM2;ARHGEF2				
41	chr5	73024506	8	0.35739	2.031	0.043805	0.948463
cg152776							
58	chr10	73421701		-0.25516	-2.03043	0.043864	0.948678
cg055560							
20	chr1	2.04E+08		-0.20252	-2.02969	0.04394	0.948985
cg140714							
96	chr9	14322503		-0.16534	-2.02896	0.044015	0.949017
cg189491							
92	chr12	1.15E+08		0.399535	2.027235	0.044193	0.949526
cg214951							
39	chr14	1.05E+08		0.240478	2.029256	0.043985	0.949017
cg104191							
78	chr11	473674		-0.2151	-2.02836	0.044077	0.949163

			PSMD3;ENSG00				
cg094373			000174093;RPL1				
60	chr17	37354084	9;PSMB3;RPL23	-0.15301	-2.02798	0.044116	0.94923
cg035470							
17	chr17	37031281	PIP4K2B	0.282877	2.02788	0.044126	0.94923
cg152702							
35	chr3	1.96E+08		0.275947	2.026731	0.044245	0.949526
cg270028							
26	chr5	1.77E+08		-0.2566	-2.02782	0.044133	0.94923
cg207945							
12	chr6	32166736	LSM2	-0.267	-2.0291	0.044001	0.949017
cg242986							
84	chr20	54823878		-0.27535	-2.02698	0.04422	0.949526
cg171508							
09	chr6	99461062		-0.27497	-2.02781	0.044134	0.94923
cg164316							
87	chr12	89919797		0.162934	2.028391	0.044074	0.949163
cg046659							
74	chr16	30103391		0.133241	2.027808	0.044134	0.94923
cg039090							
97	chr20	30555528	FRG1B	-0.20058	-2.02922	0.043988	0.949017
ch.3.6386							
89R	chr3	31240746		-0.37782	-2.02853	0.04406	0.949163
cg183726							
00	chr10	24835533		-0.32188	-2.029	0.044011	0.949017
cg103138							
79	chr1	2100435		-0.27541	-2.02831	0.044082	0.949163
cg186494							
64	chr3	65181932	ADAMTS9-AS2	-0.27668	-2.02829	0.044084	0.949163
cg033213							
19	chr22	22222323		0.170959	2.027097	0.044207	0.949526
cg236910							
90	chr22	46449981		-0.65834	-2.027	0.044218	0.949526

cg195644							
08	chr4	1.1E+08		0.256014	2.029943	0.043914	0.948843
cg245081							
43	chr4	56501441		-0.30476	-2.02977	0.043931	0.948979
cg090954							
00	chr13	1.14E+08		0.185119	2.031931	0.04371	0.948459
cg035507							
94	chr7	1E+08		0.177782	2.029427	0.043967	0.949017
cg184172							
01	chr3	4403007		0.224549	2.029614	0.043948	0.949017
cg264001			KIAA1244;IL20R				
13	chr6	1.38E+08	A;PEX7	-0.37562	-2.02753	0.044163	0.949462
cg169783							
98	chr7	98047885		0.22818	2.027851	0.044129	0.94923
cg087587			LDB2;NCAPG;LC				
27	chr4	17490571	ORL	-0.1582	-2.02829	0.044084	0.949163
cg217423							
83	chr6	31870100		0.165344	2.027601	0.044155	0.949402
cg118761							
32	chr22	25348250		0.185091	2.028141	0.0441	0.949188
cg083622							
73	chr17	46719577	UBE2Z	0.269636	2.027646	0.044151	0.949368
cg116011							
15	chr21	41129855		-0.2416	-2.0293	0.04398	0.949017
cg096923							
35	chr3	48507596		0.18932	2.029889	0.043919	0.948914
cg034661			KCNMB2;NDUFB				
24	chr3	1.79E+08	5;KCNMB3;LINC				
cg138319							
22	chr17	12569213	01014	0.504363	2.027044	0.044213	0.949526
cg251880			ENSG000002249				
06	chr3	350503	57	0.365446	2.029536	0.043956	0.949017
cg212812							
34	chr1	2.13E+08		-0.1542	-2.02771	0.044144	0.949342
cg104691							
00	chr3	44690127		0.269171	2.029191	0.043991	0.949017
cg182007							
60	chr1	1.08E+08		-0.23851	-2.02719	0.044198	0.949526

				PNKD;TTLL4;CCD C108;GLB1L;TUB A4B;DNAJB2;C2o rf62;STK36;RQC D1;TNS1;SLC11A 1;STK16;CXCR2; WNT10A;PLCD4;			
cg227129 83	chr2	2.19E+08	ANKZF1	0.560312	2.031036	0.043802	0.948463
cg249664 06	chr20	366345		-0.22372	-2.03148	0.043756	0.948459
cg162067 43	chr13	37633760		-0.17595	-2.0265	0.044269	0.949526
cg244057 16	chr15	31280513		0.196096	2.029334	0.043977	0.949017
				PDCD1LG2;ERM P1;SLC1A1;KIAA			
cg192976 88	chr9	5231360	2026	-0.44023	-2.02839	0.044074	0.949163
cg094695 66	chr13	1.13E+08		0.364227	2.027693	0.044146	0.949342
cg271444 53	chr2	7172511		0.165602	2.026823	0.044236	0.949526
cg030418 41	chr9	1.4E+08	LCNL1;PTGDS	0.361742	2.029417	0.043968	0.949017
ch.14.155 8261F	chr14	95593869		0.30495	2.028852	0.044026	0.949062
cg000228 71	chr17	43884358		-0.2604	-2.02531	0.044393	0.949526
cg100365 10	chr7	23146155		-0.18364	-2.02982	0.043927	0.948974
				TANC2;C17orf72 ;ENSG00000272			
cg135410 73	chr17	61505609	383	0.282012	2.028792	0.044032	0.9491
				HLA-A;LST1;HLA- C;HLA- B;TRIM39;HCP5;			
cg273857 57	chr6	30656024	AIF1;LTB	-0.14373	-2.02867	0.044045	0.949163
cg110982 59	chr15	58430391	AQP9;FAM63B	-0.27981	-2.03052	0.043855	0.948657
cg010471 24	chr12	44153217		-0.24855	-2.03105	0.043801	0.948463



cg001347							
87	chr17	10419499		-0.27093	-2.02952	0.043958	0.949017
cg099342							
19	chr15	79254338	ADAMTS7	0.301262	2.026599	0.044259	0.949526
cg230032							
90	chr6	1.59E+08		0.24007	2.028096	0.044104	0.949188
cg273091							
42	chr7	32801485		0.225361	2.028701	0.044042	0.949163
cg154907							
03	chr19	1295624		-0.21061	-2.02703	0.044214	0.949526
cg070903							
56	chr18	23668764		-0.34865	-2.02728	0.044188	0.949526
cg098171							
14	chr3	1.96E+08		0.20289	2.026811	0.044237	0.949526
cg030538							
93	chr17	71640369		-0.21194	-2.03001	0.043907	0.948843
cg197820							
61	chr4	1.74E+08		0.296436	2.033126	0.043588	0.947568
cg028576							
04	chr6	1080819		-0.28749	-2.02632	0.044288	0.949526
cg025503							
08	chr16	69310261		0.38578	2.027086	0.044208	0.949526
cg140608							
28	chr19	49926276		0.224656	2.025648	0.044357	0.949526
cg035773							
50	chr2	46293123		0.246661	2.027273	0.044189	0.949526
cg144262							
68	chr11	1.2E+08		-0.27883	-2.02665	0.044254	0.949526
cg085650							
56	chr2	1.19E+08		0.228399	2.027197	0.044197	0.949526
cg162037							
11	chr3	1.69E+08		-0.17956	-2.02819	0.044094	0.949188

			ZNF165;ZSCAN1				
			2P1;PGBD1;ENS				
			G00000272009;				
cg058280			HIST1H2BN;NKA				
05	chr6	28504908	PL	0.334332	2.029074	0.044003	0.949017
cg060616			ENSG000002642				
92	chr5	55300130	81	-0.19098	-2.02575	0.044347	0.949526
cg231857							
51	chr7	30720163		-0.2227	-2.02665	0.044254	0.949526
cg038858							
18	chr12	2299830		-0.31121	-2.02519	0.044405	0.949526
cg023749							
82	chr17	76472461		0.277738	2.026955	0.044222	0.949526
cg142904							
50	chr14	1.01E+08	MEG3;MEG8	-0.49487	-2.02602	0.044319	0.949526

cg06349909	chr12	51608175		0.187286	2.026344	0.044285	0.949526
cg20631104	chr4	81951446		0.232979	2.027566	0.044159	0.949431
cg03693064	chr11	94227380		-0.15386	-2.02815	0.044098	0.949188
cg05627029	chr10	1.23E+08		0.341393	2.028422	0.044071	0.949163
cg26841102	chr1	5574888		-0.21889	-2.02875	0.044037	0.949148
cg22407574	chr21	34960583		-0.23298	-2.03018	0.04389	0.948843
cg18431983	chr8	566323		0.338249	2.029296	0.04398	0.949017
cg22201588	chr19	11533499		-0.18832	-2.02671	0.044248	0.949526
cg02713153	chr8	1.45E+08		-0.21833	-2.02607	0.044314	0.949526
cg25634175	chr13	1.07E+08		-0.3044	-2.02831	0.044082	0.949163
cg27244082	chr6	31591556		0.265716	2.025852	0.044336	0.949526
cg21863207	chr12	1.04E+08		-0.19267	-2.02617	0.044303	0.949526
cg14833008	chr1	3731826		0.28047	2.026351	0.044285	0.949526
cg06034548	chr5	95194408	CAST;MCTP1	-0.30337	-2.02602	0.044319	0.949526
cg22869944	chr8	1.18E+08		-0.27429	-2.02525	0.044399	0.949526
cg25552893	chr1	2.37E+08		0.280756	2.025046	0.04442	0.949526
cg23467443	chr4	1.74E+08		-0.15237	-2.02714	0.044202	0.949526
cg07664976	chr15	25344488	ENSG00000261529	-0.25087	-2.02939	0.043971	0.949017
cg02738298	chr3	51749852	STAB1	-0.21644	-2.02474	0.044451	0.949526
cg01722450	chr18	61816636		0.257739	2.025171	0.044407	0.949526
cg01071459	chr5	92939654	KIAA0825;NR2F1;MTND5P12;ENSG00000232578	0.320341	2.02729	0.044187	0.949526
cg07813285	chr15	99281435		-0.22766	-2.02475	0.044451	0.949526
cg20592017	chr15	40364740		-0.32812	-2.02823	0.04409	0.949188

cg141234							
36	chr9	98544579		-0.27096	-2.03052	0.043855	0.948657
cg081575							
75	chr14	1.02E+08		-0.26551	-2.02689	0.044229	0.949526
cg112326							
10	chr5	1.4E+08		-0.24154	-2.02669	0.04425	0.949526
cg229376							
49	chr17	8926794		-0.33536	-2.02837	0.044076	0.949163
ch.5.7627			ENSG000002151				
13R	chr5	35221274	58;TTC23L	0.334182	2.026565	0.044262	0.949526
cg234431							
90	chr7	17702198	BZW2;AGR2	-0.32758	-2.02623	0.044297	0.949526
cg135696							
51	chr7	1.29E+08		-0.16637	-2.02555	0.044368	0.949526
cg149523							
12	chr17	72350710		-0.25305	-2.02696	0.044221	0.949526
cg089867							
65	chr4	1.53E+08		-0.19011	-2.02807	0.044106	0.949188
cg036703							
81	chr6	1.61E+08		0.207392	2.026129	0.044308	0.949526
cg212556							
05	chr3	14989131		-0.30363	-2.02588	0.044334	0.949526
cg064053							
41	chr17	63535223	PRKCA;AXIN2	0.270065	2.026721	0.044246	0.949526
cg061204							
25	chr2	1.49E+08		-0.14269	-2.02812	0.044102	0.949188
cg079640							
97	chr12	1.32E+08		0.200202	2.026747	0.044244	0.949526
cg266669							
78	chr21	47038531		-0.32	-2.02482	0.044443	0.949526
cg186472			MACF1;HEYL;RH				
68	chr1	39735142	BDL2;KIAA0754	0.257708	2.026182	0.044302	0.949526
cg267570							
97	chr6	33260263	UQCC2;PFDN6	-0.30645	-2.02747	0.044169	0.949507
cg251400							
02	chr5	1.57E+08	NIPAL4	-0.24043	-2.02586	0.044335	0.949526
cg177495							
20	chr17	42466567		0.204354	2.025667	0.044355	0.949526
cg020268							
01	chr19	58817442		0.364311	2.026336	0.044286	0.949526
cg159956							
95	chr1	1.79E+08		0.340648	2.025639	0.044358	0.949526
cg118771							
29	chr12	1.29E+08		0.282823	2.026152	0.044305	0.949526
cg205220							
46	chr13	52024792		-0.30433	-2.0254	0.044383	0.949526

cg149094							
64	chr13	29107295		0.263492	2.023751	0.044554	0.949526
cg127977							
46	chr8	1110520 TDRP		-0.33383	-2.02534	0.04439	0.949526
cg169777							
11	chr19	56598916		0.226116	2.025441	0.044379	0.949526
cg022857							
91	chr6	27550747 NKAPL		0.335873	2.025476	0.044375	0.949526
cg171037							
05	chr17	26972054		0.125609	2.027824	0.044132	0.94923
cg203249							
69	chr8	1.45E+08		0.181895	2.028888	0.044023	0.949031
cg051638							
42	chr15	25484824		-0.13072	-2.02862	0.04405	0.949163
cg117505							
80	chr1	46088336		0.330933	2.02504	0.04442	0.949526
cg117268							
57	chr10	1745263		-0.25177	-2.0241	0.044518	0.949526
cg136568							
66	chr2	1.22E+08		-0.22313	-2.02667	0.044252	0.949526
cg062855							
75	chr16	31888794		-0.33672	-2.02657	0.044262	0.949526
cg142644							
96	chr1	3823918		-0.22538	-2.02836	0.044077	0.949163
cg088643							
75	chr6	1.68E+08 RNASET2		-0.39543	-2.0252	0.044404	0.949526
cg050656							
02	chr10	12940223		-0.2512	-2.02498	0.044427	0.949526
cg122208							
71	chr15	43658652		0.158405	2.024756	0.04445	0.949526
cg172617							
12	chr5	1.76E+08 PDLIM7		0.17585	2.025618	0.04436	0.949526
cg153377							
00	chr7	75931742		0.193193	2.026359	0.044284	0.949526
cg010039							
59	chr2	24345949		-0.19377	-2.02576	0.044346	0.949526
cg054623							
39	chr5	1.38E+08 SLC23A1;NME5		0.18628	2.029685	0.043941	0.948985
cg091203			SMARCD2;STRADA;LRRC37A3;CE				
20	chr17	61926383 P95		0.209294	2.025043	0.04442	0.949526
cg212857							
82	chr1	1.55E+08		0.164919	2.023604	0.04457	0.949526
cg067002							
75	chr17	77041801		-0.25615	-2.02478	0.044448	0.949526
cg191802							
35	chr6	1.65E+08		-0.20045	-2.0291	0.044	0.949017
cg081346							
71	chr19	2542837 TLE2		0.380513	2.023389	0.044592	0.949526

			CORO1A;ITGAX;ITGAL;ITGAM;ZNF629;ENSG00000260219				
cg08775835	chr16	31147044		-0.32606	-2.02641	0.044279	0.949526
cg00467553	chr9	38391432		-0.1687	-2.02534	0.04439	0.949526
cg20602417	chr21	46410559		-0.3335	-2.0244	0.044487	0.949526

			TCP11;SYNGAP1;ENSG00000272374;SCUBE3;BAK1				
cg19189310	chr6	34393779		-0.18066	-2.02457	0.044469	0.949526
cg20738807	chr3	1.27E+08		0.202115	2.02612	0.044308	0.949526
cg18760621	chr1	1.58E+08	FCRL5	-0.17336	-2.02612	0.044309	0.949526
cg14523877	chr12	7080036		0.147508	2.024797	0.044446	0.949526
cg17688733	chr19	14201991		-0.18369	-2.02438	0.044489	0.949526
cg24431522	chr1	46091693		0.242229	2.024553	0.044471	0.949526
cg12594467	chr4	15005517		0.156219	2.025261	0.044397	0.949526
cg21020944	chr13	42845694		0.254133	2.026041	0.044317	0.949526
cg23471798	chr3	1.1E+08		-0.33564	-2.02624	0.044296	0.949526
cg10224088	chr1	1.54E+08	JTB	0.238618	2.025415	0.044382	0.949526
cg21010028	chr7	1969337		-0.21277	-2.02498	0.044427	0.949526
cg09795195	chr17	57642628		0.34884	2.0239	0.044539	0.949526
cg17744368	chr19	33369969		-0.21344	-2.02398	0.04453	0.949526
cg01722932	chr11	92702653		0.191687	2.023643	0.044566	0.949526

			YY1AP1;SH2D2A;SMG5				
cg22911799	chr1	1.56E+08		-0.20899	-2.02463	0.044463	0.949526
cg11254602	chr12	75703120		-0.25218	-2.02473	0.044453	0.949526
cg25278669	chr11	62521909		-0.13654	-2.02458	0.044468	0.949526

cg025356							
74	chr20	52226352	TSHZ2;BCAS1	-0.2695	-2.02564	0.044359	0.949526
cg119828							
05	chr1	56912823		0.331783	2.024718	0.044454	0.949526
cg162931							
05	chr19	52034970		0.50994	2.026053	0.044315	0.949526
cg089336							
15	chr1	1.49E+08		0.361835	2.024173	0.04451	0.949526
cg005773							
64	chr9	1.3E+08		0.173718	2.024443	0.044482	0.949526
cg133784							
00	chr11	17744494	NCR3LG1	-0.30216	-2.02342	0.044589	0.949526
cg269586							
15	chr6	27206664	HCG11	0.338782	2.024205	0.044507	0.949526
cg215024			ARHGEF26-				
76	chr3	1.53E+08	AS1;ARHGEF26	-0.3701	-2.02531	0.044392	0.949526
cg206847			ENSG000002396				
18	chr10	13248241	65	-0.23866	-2.02576	0.044346	0.949526
cg163377							
83	chr7	42971921		0.14882	2.023845	0.044545	0.949526
cg127346							
88	chr1	48308390	SPATA6;BEND5	-0.25846	-2.0264	0.04428	0.949526
cg156148							
72	chr7	1.59E+08		0.298144	2.027487	0.044167	0.949507
cg164527							
56	chr5	1.72E+08		-0.16008	-2.02431	0.044496	0.949526
cg101506							
86	chr2	26785332		-0.24365	-2.02778	0.044137	0.949245
cg218711							
54	chr2	1.69E+08		0.217337	2.023379	0.044593	0.949526
cg107177							
39	chr2	2.25E+08	SERPINE2	-0.14913	-2.02564	0.044358	0.949526
cg010619							
56	chr4	6404880		0.246673	2.02632	0.044288	0.949526
cg274520							
82	chr13	85937788		0.352548	2.025179	0.044406	0.949526
cg195495							
89	chr19	2723389	GIPC3;NFIC	-0.26125	-2.02604	0.044317	0.949526
cg195944							
70	chr12	86994755		0.262546	2.024711	0.044455	0.949526
cg098837							
45	chr3	40086528	CX3CR1;MYRIP	-0.36573	-2.02248	0.044687	0.94953
cg023036							
77	chr10	71177158	TACR2;PPA1	0.341572	2.024126	0.044515	0.949526
cg095816							
49	chr16	4572735		0.167507	2.023592	0.044571	0.949526
cg073728							
79	chr18	60190577		0.135399	2.02443	0.044484	0.949526

cg123908			NR2F1- AS1;NR2F1;KIAA				
95	chr5	92946500	0825	-0.40915	-2.02591	0.04433	0.949526
cg163692							
88	chr3	44620726		0.207177	2.024228	0.044505	0.949526
cg178533							
02	chr1	51984744		0.164884	2.028026	0.044111	0.949223
cg024047							
39	chr11	58874608		-0.12993	-2.02644	0.044275	0.949526
cg123556							
77	chr6	1.68E+08		-0.25366	-2.02323	0.044609	0.949526
cg010081							
21	chr19	44809690		0.28875	2.026364	0.044283	0.949526
cg220942							
07	chr19	58382077		0.248401	2.023955	0.044533	0.949526

cg003193			PRELP;PPFIA4;F MOD;CYB5R1;T				
12	chr1	2.04E+08	MEM183A	-0.33995	-2.02353	0.044578	0.949526
cg161368							
40	chr5	95997740		-0.17741	-2.0234	0.044591	0.949526
cg078422							
89	chr5	74328211		-0.22177	-2.02377	0.044552	0.949526
cg111186							
90	chr8	97351561		0.241332	2.025321	0.044391	0.949526
cg218373							
91	chr1	1159412		-0.24691	-2.02313	0.044619	0.949526
cg179186							
76	chr3	1.77E+08		-0.30688	-2.02658	0.044261	0.949526
cg098520							
08	chr1	10092689		-0.20132	-2.02711	0.044206	0.949526
cg235980							
80	chr1	1.8E+08		0.26729	2.024674	0.044458	0.949526
cg195462							
07	chr14	89493095		0.281625	2.025113	0.044413	0.949526
cg236491							
90	chr22	50252520		-0.25601	-2.02406	0.044522	0.949526
cg032983							
12	chr7	57509933		0.187317	2.024367	0.04449	0.949526
cg265749							
64	chr11	1.17E+08		-0.18569	-2.02269	0.044665	0.94953
cg204197							
24	chr2	55746998		0.277757	2.02664	0.044255	0.949526

cg018156			ESPL1;ITGB7;AC				
26	chr12	52890212	VR1B	-0.30979	-2.02659	0.04426	0.949526
cg190394							
81	chr2	394115		-0.31388	-2.0246	0.044466	0.949526

cg187313							
27	chr3	1.47E+08		0.257115	2.022601	0.044674	0.94953
cg028089			GALNS;TRAPPC2				
31	chr16	88503009	L	-0.27921	-2.02228	0.044708	0.949634
cg106554							
71	chr19	41025339		0.344526	2.023047	0.044628	0.949526
cg264617							
10	chr10	91470135		-0.35628	-2.02466	0.04446	0.949526
ch.9.2895							
0438F	chr9	28960438		0.294745	2.024074	0.044521	0.949526
cg141938							
08	chr9	1.09E+08		-0.19142	-2.02373	0.044556	0.949526
cg141535							
11	chr20	45034743		0.152231	2.024443	0.044482	0.949526
cg259764							
51	chr19	3979988		0.164597	2.026484	0.044271	0.949526
cg037416			TNFRSF10C;DMT				
53	chr8	22033396	N	-0.20771	-2.02593	0.044328	0.949526
cg136468							
59	chr7	39605790		-0.27645	-2.02249	0.044686	0.94953
cg018827							
67	chr3	44593598		-0.35211	-2.02304	0.044629	0.949526
cg265701							
65	chr1	1.2E+08		0.293634	2.023678	0.044562	0.949526

			LCK;YARS;RNF19				
cg048568			B;SERINC2;BAI2;				
96	chr1	32665450	DCDC2B	0.192805	2.022244	0.044711	0.949634
cg236576							
39	chr16	88852273		0.124276	2.026408	0.044279	0.949526
cg165992							
25	chr20	19997908		-0.17531	-2.0243	0.044497	0.949526
cg084204							
15	chr22	38477802		0.281683	2.023446	0.044586	0.949526
cg044127							
55	chr3	46939978		0.265423	2.023872	0.044542	0.949526
cg078987							
64	chr7	1.02E+08		-0.26262	-2.02601	0.04432	0.949526
cg263281							
50	chr8	1.41E+08		-0.26303	-2.02358	0.044572	0.949526
cg210399							
32	chr7	1.57E+08		-0.26302	-2.02465	0.044461	0.949526
cg075809							
75	chr1	2.01E+08	KIF21B;C1orf106	0.186509	2.022974	0.044635	0.949526
cg220564							
68	chr8	1.28E+08		0.243697	2.022384	0.044697	0.949593
cg063198							
22	chr16	215960		0.252311	2.024022	0.044526	0.949526



cg211554						
18	chr2	264767	-0.15827	-2.0238	0.044549	0.949526
cg133194						
68	chr13	27597730	-0.1927	-2.02485	0.04444	0.949526
cg039830						
08	chr5	1.79E+08	0.307013	2.023567	0.044574	0.949526
cg261964						
96	chr5	76247679	-0.23238	-2.02293	0.04464	0.949526
cg106477						
03	chr6	29708958	-0.2249	-2.02296	0.044637	0.949526
cg138737						
33	chr4	83352560 ENOPH1	-0.19077	-2.02565	0.044357	0.949526
cg269858						
18	chr4	58064691	-0.36843	-2.02468	0.044458	0.949526
cg049882						
19	chr7	27251396	0.249773	2.023614	0.044569	0.949526
cg174602						
00	chr19	47777129	-0.22492	-2.02355	0.044575	0.949526
cg042381						
99	chr5	7831537	-0.25017	-2.02232	0.044704	0.949634
cg093599						
33	chr19	4670669	0.299327	2.022925	0.04464	0.949526
cg193550						
79	chr19	23253218	0.317039	2.024806	0.044445	0.949526
cg068181						
59	chr4	16628713 PROM1	-0.28032	-2.03097	0.043809	0.948463
cg086191						
19	chr6	13575098	-0.22225	-2.02629	0.04429	0.949526
cg099291						
80	chr14	1.04E+08	-0.35138	-2.02193	0.044745	0.94978
cg154633						
09	chr8	1.42E+08	-0.31004	-2.02193	0.044745	0.94978
cg198469						
91	chr15	72411513	0.285174	2.027039	0.044213	0.949526
cg030748						
39	chr11	1.07E+08	-0.16633	-2.02369	0.04456	0.949526
cg225207						
91	chr5	1.79E+08	-0.2819	-2.02272	0.044662	0.94953
cg062719						
86	chr16	1181880 HS3ST6;NTHL1	-0.27061	-2.02586	0.044335	0.949526
cg095623						
22	chr12	1.19E+08	-0.15998	-2.0227	0.044664	0.94953
cg253146						
24	chr10	95256917	-0.26434	-2.02253	0.044681	0.94953
cg030754						
87	chr10	1.25E+08	-0.22836	-2.02561	0.044362	0.949526
cg029788						
27	chr13	48877687	-0.23933	-2.02398	0.04453	0.949526
cg261090						
93	chr4	1.4E+08	0.287838	2.022272	0.044709	0.949634

cg241928							
45	chr6	15497029		0.230573	2.026522	0.044267	0.949526
cg079944							
85	chr2	97652440		0.237516	2.021647	0.044774	0.949794
cg038815							
44	chr4	5712581		0.223556	2.024748	0.044451	0.949526
cg211010							
86	chr2	39836209		-0.30785	-2.02574	0.044347	0.949526
cg214713							
37	chr1	2.45E+08		-0.24719	-2.02512	0.044412	0.949526
cg018591							
18	chr10	32217565		-0.16713	-2.021	0.044841	0.949804
cg177827							
13	chr10	22613360		-0.29386	-2.0243	0.044497	0.949526
cg009718							
85	chr4	22588208		0.244337	2.02334	0.044597	0.949526
cg108371							
11	chr4	8127378		0.206649	2.023164	0.044616	0.949526
cg012812							
31	chr13	1.07E+08		-0.29048	-2.02394	0.044535	0.949526
cg125973							
89	chr7	8482235		0.356461	2.022084	0.044728	0.949752
cg000230							
01	chr17	55938748		0.19234	2.023615	0.044569	0.949526
cg145631							
65	chr9	1.3E+08		-0.15159	-2.02442	0.044484	0.949526
cg045000							
84	chr10	27703547		0.314527	2.022411	0.044694	0.949593
cg224948							
76	chr1	2.48E+08	SCCPDH	-0.40439	-2.02125	0.044816	0.949794
cg098452							
96	chr5	14094101		-0.31326	-2.02322	0.044609	0.949526
cg150008							
27	chr9	1.1E+08		0.335361	2.022899	0.044643	0.949526
cg073455							
21	chr20	62419810		-0.26194	-2.02251	0.044684	0.94953
cg247809			ENSG000002675				
66	chr18	13619641	03	0.185213	2.024122	0.044516	0.949526
cg137519							
27	chr19	17000885		-0.30639	-2.02298	0.044635	0.949526
cg147378							
77	chr8	664783		0.191364	2.021812	0.044757	0.949794
cg186762							
37	chr6	2903258	RIPK1	0.23401	2.021874	0.04475	0.94978
cg273165							
98	chr3	72704361		0.35964	2.022571	0.044677	0.94953
cg079657							
74	chr1	17746286	CROCC	0.161581	2.024973	0.044427	0.949526
cg269187							
23	chr6	30812173	C6orf25	0.224583	2.02316	0.044616	0.949526

cg192459							
43	chr19	49403549	FUT1	-0.22713	-2.02379	0.04455	0.949526
cg187367							
39	chr3	1.85E+08		0.303346	2.021546	0.044784	0.949794
cg009054							
19	chr1	2839179		-0.27344	-2.02374	0.044555	0.949526
cg007038							
85	chr2	1.28E+08	LIMS2	0.224636	2.021378	0.044802	0.949794
cg211940							
15	chr5	1.34E+08		0.163254	2.023288	0.044603	0.949526
cg154635							
63	chr8	1.34E+08	NDRG1	-0.52879	-2.02095	0.044847	0.949804
cg166198							
99	chr8	915860		-0.21951	-2.02247	0.044688	0.94953
cg170877							
59	chr2	2.2E+08		-0.15517	-2.02291	0.044642	0.949526
cg175256							
74	chr3	13036145		0.15775	2.022611	0.044673	0.94953
cg151124			ENSG000002290				
75	chr7	1198522	43	-0.2781	-2.02145	0.044794	0.949794
cg249636							
53	chr7	1.58E+08		-0.19194	-2.02575	0.044347	0.949526
cg225030							
60	chr12	92368774		0.244761	2.022494	0.044685	0.94953
cg210503							
92	chr11	1.26E+08		0.195093	2.024192	0.044509	0.949526
cg031714			SOX10;CDC42EP				
78	chr22	37572916	1	0.224458	2.024113	0.044517	0.949526
cg058690							
07	chr4	1.66E+08		0.150234	2.02309	0.044623	0.949526
cg047579							
91	chr10	1.33E+08		-0.26675	-2.02172	0.044767	0.949794
cg152580							
80	chr10	71091204		0.198744	2.022824	0.044651	0.94953
cg241945							
39	chr6	1.07E+08		-0.16908	-2.02351	0.044579	0.949526
cg241729							
89	chr14	1.04E+08		0.252203	2.020756	0.044867	0.949949
cg044990							
15	chr6	33141696		-0.1938	-2.02114	0.044827	0.949804
cg158566							
26	chr3	1.41E+08		0.280164	2.021639	0.044775	0.949794
cg175435							
39	chr20	61045751	RPS21	0.195192	2.022785	0.044655	0.94953
cg096413							
25	chr7	1.34E+08		-0.21546	-2.02106	0.044835	0.949804
cg152617							
30	chr7	55280797		-0.24563	-2.02683	0.044235	0.949526
cg156134							
65	chr2	85830203		0.204194	2.02146	0.044793	0.949794

cg119582							
34	chr1	1.18E+08		-0.21973	-2.0203	0.044915	0.950092
cg110693			ADAMTS8;ST14;				
38	chr11	1.3E+08	ADAMTS15	0.498406	2.023102	0.044622	0.949526
cg179185							
44	chr15	24123363		-0.20233	-2.02283	0.044651	0.94953
cg055275							
30	chr1	1.98E+08		0.198447	2.023342	0.044597	0.949526
cg144057							
85	chr9	93900983		-0.30719	-2.02377	0.044553	0.949526
cg022914							
03	chr12	1.31E+08		-0.26932	-2.02017	0.044928	0.950092
cg040603							
56	chr20	52226170		-0.39056	-2.02268	0.044666	0.94953
cg109606			TTLL12;PARVB;BI				
81	chr22	43567465	K;NFAM1	-0.34526	-2.02023	0.044923	0.950092
cg202701							
72	chr6	30876140		0.158507	2.021225	0.044818	0.949794
cg187600			APITD1;CASZ1;U				
55	chr1	10788219	BE4B;FBXO6	0.297786	2.02295	0.044638	0.949526
cg243546							
24	chr19	40732728		0.189619	2.021349	0.044805	0.949794
cg164938							
13	chr8	17521952		-0.28118	-2.0233	0.044601	0.949526
cg082817							
91	chr5	76607845		0.31875	2.02213	0.044723	0.949721
cg159091							
32	chr17	42431109		0.354412	2.02152	0.044787	0.949794
cg154154							
11	chr19	13084212		-0.24199	-2.02259	0.044675	0.94953
cg273455							
92	chr5	1.43E+08		-0.27671	-2.02276	0.044657	0.94953
cg038589							
17	chr11	1929190	IGF2	0.314668	2.021719	0.044766	0.949794
cg273274							
75	chr4	1901358		-0.19757	-2.02215	0.044722	0.949721
cg004233							
64	chr11	850952		0.27114	2.020579	0.044886	0.950092
cg077810							
87	chr16	736823		-0.23377	-2.0237	0.04456	0.949526
cg141648							
39	chr1	26823481	FAM110D	0.252688	2.023776	0.044552	0.949526
cg226476							
70	chr17	2833657		0.178122	2.020742	0.044869	0.949949

cg059605							
02	chr15	25903875		0.358144	2.021023	0.044839	0.949804
cg104534							
20	chr4	3874006		0.415116	2.022233	0.044713	0.949634
cg246437							
06	chr6	28603779	HCG14	0.263851	2.021727	0.044765	0.949794
cg212092							
19	chr11	10952789		0.164607	2.022061	0.044731	0.949752
cg217347							
51	chr17	78896437		-0.24467	-2.02095	0.044846	0.949804
cg024628			ABI3;PHOSPHO1				
68	chr17	46712052	;SNX11	0.255873	2.020283	0.044917	0.950092
cg023176							
51	chr13	44543031		0.205135	2.022131	0.044723	0.949721
cg068043			PLXND1;GATA2; ENSG000002443				
44	chr3	1.29E+08	00	-0.31641	-2.02198	0.044739	0.94978
cg271084							
19	chr6	30095762		0.308828	2.021373	0.044802	0.949794
cg111740							
89	chr13	96447007	UGGT2	0.448574	2.023271	0.044604	0.949526
cg132091							
54	chr11	62106872		0.224572	2.019911	0.044956	0.950195
cg039290							
43	chr8	59463761		-0.23135	-2.02192	0.044746	0.94978
cg067660							
16	chr1	45278971		0.353313	2.022318	0.044704	0.949634
cg064105			ENSG000002672				
91	chr19	6741181	62	0.344825	2.020594	0.044884	0.950092
cg253151							
48	chr12	57579596		-0.28492	-2.02019	0.044926	0.950092
cg007080							
60	chr3	49208687		-0.14947	-2.02023	0.044922	0.950092
cg228948							
05	chr15	41983773		0.301585	2.023738	0.044556	0.949526
cg259926							
45	chr11	65244888		-0.13552	-2.02098	0.044844	0.949804
cg264479							
68	chr2	74682200		0.174147	2.021662	0.044772	0.949794
cg214826							
59	chr7	82073453		-0.29553	-2.0197	0.044977	0.950195
cg138905							
52	chr9	1.41E+08		-0.23394	-2.01941	0.045008	0.950195
cg041558							
62	chr3	1.28E+08		0.286736	2.020368	0.044908	0.950092
cg273840							
88	chr6	72298275		0.249964	2.022802	0.044653	0.94953

cg088910			SLC36A1;ZNF300				
71	chr5	1.5E+08	P1;GPX3	0.26426	2.019461	0.045003	0.950195
cg087404							
77	chr5	1.08E+08		-0.13287	-2.02325	0.044607	0.949526
cg054151							
46	chr11	42429192		0.22238	2.025553	0.044367	0.949526
cg264684							
78	chr3	48693597		-0.13651	-2.02141	0.044799	0.949794
cg178050							
72	chr5	1.76E+08		-0.19304	-2.01951	0.044997	0.950195
cg100685							
39	chr11	63608207		-0.24804	-2.02143	0.044797	0.949794
cg124304							
55	chr1	2.09E+08		0.248806	2.021046	0.044837	0.949804
cg150447							
67	chr5	1.41E+08		0.296236	2.021281	0.044812	0.949794
cg236571							
90	chr10	1.35E+08		0.231053	2.020776	0.044865	0.949949
cg165639							
29	chr10	525898		-0.1417	-2.01952	0.044997	0.950195
cg031375							
22	chr6	1.17E+08		0.275774	2.021569	0.044782	0.949794
cg102969							
73	chr6	32967930		0.349663	2.024664	0.044459	0.949526
cg024253							
72	chr12	53074023	PFDN5	-0.23244	-2.01897	0.045054	0.950195
cg002671							
42	chr6	1.67E+08		0.253063	2.021276	0.044813	0.949794
cg198535							
16	chr18	52495981		-0.25258	-2.02198	0.044739	0.94978
cg053549			CCDC167;RNF8;				
29	chr6	37138953	CMTR1	-0.20314	-2.02314	0.044618	0.949526
cg041208							
39	chr3	1.22E+08		-0.17353	-2.02029	0.044916	0.950092
cg209456							
07	chr1	1051537		0.14183	2.019373	0.045012	0.950195
cg006346			STOX1;TET1;TSP				
98	chr10	71123842	AN15;CCAR1	0.258577	2.020367	0.044908	0.950092
cg007530							
59	chr22	44390650		0.259026	2.02008	0.044938	0.950168
cg210930							
05	chr17	80541915		0.345616	2.023173	0.044615	0.949526
cg135005							
76	chr1	51796588		-0.21182	-2.02187	0.044751	0.94978
cg143641							
86	chr9	1.36E+08		0.299325	2.020495	0.044894	0.950092

cg135512							
27	chr10	1.04E+08	C10orf95	0.215191	2.021736	0.044764	0.949794
cg204914							
88	chr10	1.06E+08		-0.23185	-2.02041	0.044903	0.950092
cg186379							
01	chr4	3247372		-0.16818	-2.01836	0.045118	0.950195
cg218575							
98	chr5	66492721		0.336891	2.019738	0.044974	0.950195
cg182188							
84	chr10	1.04E+08	RNU2-59P	0.193032	2.018275	0.045127	0.950195
cg075998							
81	chr1	5907508		0.245487	2.018891	0.045063	0.950195
cg159965							
34	chr5	1.5E+08	SLC36A1	0.315601	2.018356	0.045119	0.950195
cg182955							
36	chr5	1.37E+08		-0.21265	-2.0198	0.044967	0.950195
cg036248							
99	chr16	18802161		0.360192	2.02124	0.044816	0.949794
cg152497							
96	chr17	56744413		0.310099	2.020186	0.044927	0.950092
cg247141							
47	chr19	14629240		-0.26232	-2.02103	0.044838	0.949804
ch.7.5577							
03F	chr7	21938752		0.341755	2.022631	0.044671	0.94953
cg139581			ARPC5L;RABEPK;				
99	chr9	1.27E+08	SCAI;PSMB7	-0.201	-2.0218	0.044758	0.949794
cg055362							
86	chr15	92972514		-0.22535	-2.02143	0.044796	0.949794
cg201191							
48	chr19	18344195		0.26314	2.019583	0.04499	0.950195
cg011854							
33	chr4	1.75E+08		0.296874	2.020944	0.044847	0.949804
cg202838							
95	chr17	38648531	PPP1R1B;IGFBP4	-0.347	-2.02136	0.044804	0.949794
cg139270							
40	chr6	1.67E+08		-0.26762	-2.0207	0.044873	0.94997
cg204900							
15	chr17	62336680	LRRC37A3	0.28027	2.019697	0.044978	0.950195
cg119839							
39	chr7	153574		-0.39779	-2.02024	0.044921	0.950092
cg257293							
50	chr15	58624534		-0.30985	-2.02061	0.044883	0.950092
cg213904							
28	chr22	18507165		0.205425	2.02073	0.04487	0.949949
cg091849							
81	chr1	1.12E+08		0.278152	2.019818	0.044965	0.950195
cg027216							
93	chr1	1.83E+08	COLGALT2	-0.39551	-2.02016	0.04493	0.950092

cg126229							
58	chr4	41759997		-0.27009	-2.02164	0.044775	0.949794
cg213570							
88	chr10	1.33E+08		0.238742	2.018126	0.045143	0.950195
cg142707							
89	chr13	25620954		-0.22211	-2.0238	0.044549	0.949526
cg158328			SQRDL;B2M;DU				
22	chr15	45018591	OX2;SORD;SERF2	-0.26409	-2.02088	0.044854	0.949904
cg006831							
56	chr10	50970546		0.225067	2.019041	0.045047	0.950195
cg015543							
16	chr1	2.3E+08		-0.49283	-2.01808	0.045148	0.950195
cg161842							
42	chr5	1.31E+08		0.175223	2.022052	0.044732	0.949752
				ZNF423;NKD1;E			
				NSG0000026168			
				5;ENSG0000026			
				0029;ENSG0000			
cg009213							
50	chr16	50701499	0205414	-0.16549	-2.01882	0.04507	0.950195
cg197805							
71	chr10	1.02E+08	CWF19L1	-0.35629	-2.01899	0.045052	0.950195
cg034552							
50	chr1	35442238	CLSPN	0.293969	2.019315	0.045018	0.950195
cg072233							
12	chr18	44702757		-0.22408	-2.01993	0.044953	0.950195
				CCDC65;PRPH;E			
				NSG0000025833			
				4;KCNH3;TUBA1			
				A;ENSG0000025			
cg148462							
92	chr12	49726500	7954	0.285941	2.021601	0.044779	0.949794
cg271451							
97	chr2	1.98E+08		-0.19212	-2.02027	0.044918	0.950092
cg184719							
93	chr6	1.01E+08	CCNC;ASCC3	0.263242	2.021306	0.044809	0.949794
cg007859							
41	chr1	2.48E+08		0.915598	2.01785	0.045172	0.950195
cg213396							
76	chr12	51477413		0.145887	2.020261	0.044919	0.950092
cg235387							
73	chr14	89493162		0.305074	2.018706	0.045082	0.950195
cg169547							
27	chr10	3440330		-0.31149	-2.01813	0.045143	0.950195



cg131136							
42	chr17	997200		-0.30046	-2.01784	0.045173	0.950195
cg059627							
55	chr5	1.57E+08		0.294575	2.017819	0.045175	0.950195
cg222122							
60	chr3	33468135		-0.33446	-2.01805	0.045151	0.950195
cg097929							
26	chr16	49316053		0.282004	2.020734	0.044869	0.949949
cg106771							
44	chr18	3220106 MYOM1		0.268006	2.019168	0.045034	0.950195
cg007851							
06	chr16	57227089		-0.34382	-2.01998	0.044949	0.950195
cg187494							
11	chr15	25973970		-0.21307	-2.01918	0.045032	0.950195
cg011037							
30	chr1	2.07E+08 DYRK3;PFKFB2		0.360473	2.022379	0.044697	0.949593
cg267179							
83	chr6	72596472		-0.13834	-2.01793	0.045164	0.950195
cg026759							
20	chr17	78747934		0.27087	2.019344	0.045015	0.950195
cg212735							
84	chr2	503065		-0.23392	-2.01771	0.045187	0.950195
cg063469			MROH3P;C1orf1				
54	chr1	2E+08 06;KIF14		-0.40778	-2.01755	0.045204	0.950195
cg055868			C16orf89;SEC14L				
63	chr16	5911262 5		-0.3369	-2.01867	0.045086	0.950195
cg113746							
56	chr7	1.58E+08		0.222482	2.017663	0.045192	0.950195
cg177364							
82	chr15	40732202		-0.19676	-2.02044	0.044901	0.950092
ch.3.1012							
570R	chr3	48208271 KIF9-AS1;P4HTM		-0.16726	-2.01837	0.045117	0.950195
cg109581							
26	chr6	31497756 HLA-C		0.235977	2.018483	0.045106	0.950195
cg102053							
34	chr10	89622497		0.160399	2.019199	0.04503	0.950195
cg264114			SNORD3B-1;SNORD3D;SNO				
66	chr17	18876823 RD3A		-0.17367	-2.01905	0.045046	0.950195
cg070711							
45	chr15	79851166		-0.28237	-2.01756	0.045202	0.950195
cg019048							
12	chr1	17746340		0.20747	2.018771	0.045075	0.950195
cg240198							
51	chr3	50314291		0.235998	2.01804	0.045152	0.950195

cg072714							
05	chr11	35817123		0.242874	2.020113	0.044934	0.950142
cg098611							
15	chr8	65286484		0.249042	2.020495	0.044894	0.950092
cg149177							
00	chr3	72897678		0.124392	2.017612	0.045197	0.950195
cg010232							
71	chr1	1.6E+08		-0.28028	-2.01752	0.045206	0.950195
ch.6.1138							
66684R	chr6	1.14E+08		-0.37272	-2.01877	0.045076	0.950195
cg190052			C6orf132;ENSG0				
10	chr6	41168960	0000261068	-0.28909	-2.01733	0.045227	0.950195
cg021366							
22	chr13	95811931	CLDN10	-0.27926	-2.02001	0.044946	0.950195
cg255698							
80	chr5	2864005	IRX1	-0.3065	-2.01678	0.045285	0.950195
cg198616							
97	chr7	86782611		0.239254	2.018962	0.045055	0.950195
cg146349							
03	chr20	278097		-0.18696	-2.01725	0.045235	0.950195
cg097188							
10	chr5	1.8E+08		0.198676	2.018536	0.0451	0.950195
cg082413							
60	chr9	1.29E+08		0.376613	2.01796	0.045161	0.950195
cg071288							
73	chr7	1.28E+08		-0.21443	-2.01974	0.044973	0.950195
cg084931							
06	chr17	8534901		-0.1344	-2.02187	0.04475	0.94978
cg007893							
47	chr16	2039030	TBC1D24	-0.19368	-2.02119	0.044822	0.949804
cg058336							
51	chr13	1.14E+08		0.250237	2.017591	0.045199	0.950195
cg068927							
26	chr6	26087607	HIST1H3C	0.248048	2.018938	0.045058	0.950195
cg032899							
06	chr7	94538408	PPP1R9A	0.329822	2.018258	0.045129	0.950195
cg060344							
59	chr3	1.97E+08		0.217627	2.019229	0.045027	0.950195
cg082719			ENSG000002616				
07	chr8	1.42E+08	55	-0.43171	-2.01836	0.045118	0.950195
cg147411							
43	chr3	1.56E+08		0.326949	2.018087	0.045147	0.950195
cg232480							
51	chr5	1.14E+08		0.252707	2.02051	0.044893	0.950092
cg162916							
57	chr7	25990013		0.264493	2.021017	0.04484	0.949804
cg004095							
21	chr11	89956229		-0.19689	-2.01841	0.045113	0.950195

cg071158							
17	chr1	4068511		0.252259	2.018859	0.045066	0.950195
cg038125							
46	chr12	1.19E+08		0.267016	2.019121	0.045038	0.950195
cg133848							
49	chr5	1.73E+08		-0.21494	-2.01914	0.045037	0.950195
cg039163			FMNL3;ASIC1;SP				
64	chr12	49624394	ATS2	-0.33556	-2.01664	0.0453	0.950195
cg049446							
59	chr1	10891531	PGD	-0.25393	-2.01605	0.045362	0.950195
cg041958							
63	chr15	25223574		-0.27364	-2.0175	0.045209	0.950195
cg219584							
44	chr13	20207412		0.289733	2.017809	0.045176	0.950195
cg150922							
39	chr10	1.3E+08	PTPRE	-0.28845	-2.01893	0.045058	0.950195
cg171385							
39	chr1	43850695		0.207344	2.016127	0.045354	0.950195
cg000099							
27	chr16	1157223		-0.22498	-2.019	0.045051	0.950195
cg168048							
92	chr14	96241208		0.251148	2.018762	0.045076	0.950195
cg168001							
62	chr11	90739454		-0.30752	-2.01598	0.045369	0.950195
cg152934							
22	chr2	37897716		0.366742	2.019352	0.045014	0.950195
cg032239							
59	chr16	85382654		-0.23067	-2.01916	0.045034	0.950195
cg003142							
40	chr1	92495877	RPAP2	-0.30075	-2.01785	0.045172	0.950195
cg039905							
51	chr4	1.23E+08		0.147432	2.017548	0.045204	0.950195
cg135200							
26	chr9	97810769		-0.17494	-2.02002	0.044944	0.950195
cg158227			ZNF165;NKAPL;G				
65	chr6	28956387	ABBR1;PGBD1	0.441323	2.016972	0.045265	0.950195
cg008627							
70	chr6	35655764		0.214855	2.017229	0.045238	0.950195
cg211941			LPCAT1;ENSG00				
15	chr5	607516	000188002	0.257592	2.019017	0.045049	0.950195
cg152438							
56	chr20	43935462		0.393296	2.023774	0.044552	0.949526
cg134532							
44	chr8	1.2E+08		-0.26928	-2.01676	0.045287	0.950195
cg228363							
70	chr18	51751085		-0.1579	-2.02051	0.044893	0.950092

cg249800							
40	chr10	1714535		0.345825	2.016411	0.045324	0.950195
cg167308							
24	chr1	20809793		-0.26373	-2.01874	0.045079	0.950195
cg029068							
27	chr16	84217575		-0.17206	-2.01722	0.045239	0.950195
cg110937							
62	chr7	930723		0.295625	2.016763	0.045287	0.950195
cg083775							
69	chr16	30538014		-0.15522	-2.01716	0.045245	0.950195
cg037347							
00	chr1	1999046		-0.26638	-2.01832	0.045123	0.950195
cg021132							
14	chr7	1.37E+08		-0.26372	-2.01919	0.045032	0.950195
cg096373							
67	chr17	61676756		0.278635	2.019671	0.044981	0.950195
cg044268							
42	chr10	1.05E+08		-0.25422	-2.01653	0.045311	0.950195
cg025807							
63	chr5	1.41E+08		0.30262	2.0169	0.045272	0.950195
cg205124							
19	chr11	67276145		-0.13233	-2.01856	0.045097	0.950195
cg112431							
73	chr12	23999045		-0.28374	-2.01967	0.044981	0.950195
cg120734							
79	chr7	1.21E+08		-0.26024	-2.01618	0.045349	0.950195
cg226350							
88	chr5	2096922		-0.23086	-2.01791	0.045166	0.950195
cg084858							
99	chr7	1.29E+08		0.173332	2.01849	0.045105	0.950195
cg145535							
06	chr3	1.84E+08		-0.20967	-2.01665	0.045299	0.950195
cg054684							
58	chr5	1.71E+08 GABRP		-0.34877	-2.01718	0.045242	0.950195
cg007912			ENSG000002706				
49	chr19	10426722	14;C19orf52	0.172105	2.018752	0.045077	0.950195
cg124823			ALG11;RPS4XP1				
05	chr13	52585650	6;ENSG00000270101	0.187626	2.016482	0.045316	0.950195
cg233970							
13	chr10	10571132		-0.33	-2.0179	0.045166	0.950195
cg267169							
02	chr17	40835920		-0.54314	-2.01529	0.045443	0.950195
cg193600							
09	chr2	30372525		0.300102	2.017679	0.04519	0.950195
cg117063							
49	chr6	36646226		0.194222	2.016632	0.045301	0.950195

cg081877						
79	chr8	1.02E+08	0.160367	2.01579	0.045389	0.950195
cg117995						
11	chr3	50426640	-0.21635	-2.01927	0.045023	0.950195
cg061776						
27	chr1	23751208	-0.15142	-2.01648	0.045316	0.950195
cg087385						
71	chr12	32655192	0.387258	2.015309	0.04544	0.950195
cg215003						
54	chr11	6518331	0.307373	2.0168	0.045283	0.950195
cg044867						
49	chr6	1.67E+08	-0.24837	-2.01547	0.045423	0.950195
cg136896						
81	chr9	99382204	0.288889	2.016074	0.045359	0.950195
cg153080						
62	chr12	21680981	-0.21043	-2.01632	0.045333	0.950195
cg137011						
80	chr19	2513436 ZNF57	0.270275	2.015413	0.045429	0.950195
cg087372						
36	chr16	2254692	-0.21027	-2.01573	0.045396	0.950195
cg040776						
77	chr1	1.56E+08	0.279408	2.01551	0.045419	0.950195
cg018607						
53	chr1	2.07E+08	-0.1779	-2.01636	0.045329	0.950195
cg071286						
24	chr12	1.08E+08	-0.28886	-2.01684	0.045279	0.950195
cg259438						
76	chr13	50422495	0.353633	2.017837	0.045173	0.950195
cg269846						
24	chr8	41656079	-0.20909	-2.01754	0.045205	0.950195
cg076415						
63	chr2	56216086 CCDC88A	-0.28047	-2.01773	0.045185	0.950195
cg067910						
91	chr12	3332539	-0.22198	-2.01627	0.045339	0.950195
cg095977		ENSG000002495				
10	chr7	1121124 74	0.383335	2.016535	0.045311	0.950195
cg075503						
62	chr7	97361201	-0.41501	-2.01617	0.04535	0.950195
cg163658						
07	chr21	42559652	-0.2535	-2.01768	0.04519	0.950195
cg183382						
88	chr22	46318879	0.249089	2.016488	0.045316	0.950195
cg043750						
33	chr21	47876638	-0.36929	-2.01606	0.045361	0.950195
cg266607						
44	chr1	1573181	-0.26255	-2.01586	0.045382	0.950195
cg158719						
69	chr4	77665102	0.227405	2.016515	0.045313	0.950195
cg223157						
46	chr11	605147	0.215797	2.016964	0.045266	0.950195

cg148175							
41	chr6	1.34E+08		0.249455	2.015934	0.045374	0.950195
cg250125							
77	chr1	1.55E+08		0.363835	2.015805	0.045388	0.950195
cg005544							
21	chr7	1513368		-0.17006	-2.01895	0.045056	0.950195
cg219339							
28	chr20	32453380		0.17635	2.018031	0.045153	0.950195
cg165852							
44	chr2	2.41E+08		0.217015	2.016004	0.045367	0.950195
cg145421							
78	chr9	1.34E+08		0.245154	2.016287	0.045337	0.950195
cg011843							
87	chr5	1.76E+08	TMED9	-0.18802	-2.0152	0.045452	0.950195
cg142236							
13	chr15	80884071		0.337314	2.015154	0.045457	0.950195
cg247200			C10orf10;ZNF48				
08	chr10	44788044	7	0.377791	2.019608	0.044987	0.950195
cg106054							
42	chr20	61847878		0.147045	2.015595	0.04541	0.950195
cg241463							
58	chr7	2644753		-0.22633	-2.01841	0.045114	0.950195
cg241015							
78	chr20	44880263		0.249602	2.014977	0.045475	0.950195
cg101371							
55	chr3	67049254		-0.2864	-2.01541	0.045429	0.950195
cg049463							
15	chr14	1.05E+08		-0.16571	-2.01667	0.045297	0.950195
cg098930							
68	chr1	46089593		-0.26945	-2.01687	0.045275	0.950195
ch.22.439							
136F	chr22	32112075		-0.34147	-2.01526	0.045446	0.950195
cg103428							
99	chr10	1.03E+08		0.231161	2.017068	0.045255	0.950195
cg269092							
99	chr2	74757141		-0.17917	-2.02075	0.044868	0.949949
cg133048			BAIAP2;SLC25A1				
25	chr17	79297548	0;PCYT2	-0.29866	-2.01494	0.045479	0.950195
cg205556			PLXDC1;PIP4K2B				
74	chr17	37321631	198;IKZF3;THRA	0.389538	2.017209	0.04524	0.950195
cg228569							
48	chr1	87594388		-0.25977	-2.01898	0.045053	0.950195
cg043529							
62	chr1	2.1E+08		0.217161	2.016761	0.045287	0.950195

cg025108							
02	chr20	31592147	E2F1	-0.29232	-2.01644	0.045321	0.950195
			GAS6;TMEM255				
			B;F10;GAS6-				
			AS2;CDC16;ENS				
cg141237			G00000267868;				
50	chr13	1.14E+08	ADPRHL1	0.30532	2.0211	0.044831	0.949804
cg204577							
96	chr10	50819500		0.250899	2.016698	0.045294	0.950195
cg241092							
02	chr7	87505681		0.173878	2.016676	0.045296	0.950195
cg077796							
53	chr16	65610659		-0.28308	-2.01582	0.045386	0.950195
cg174092							
88	chr4	17600149		0.232851	2.016117	0.045355	0.950195
cg077102							
66	chr6	1.34E+08		0.254547	2.016493	0.045315	0.950195
cg232593							
81	chr4	1.86E+08		0.170101	2.014868	0.045487	0.950195
cg003619							
92	chr1	76079177	RABGGTB	-0.24505	-2.01663	0.045301	0.950195
cg116334							
61	chr10	73534338		-0.18219	-2.0163	0.045336	0.950195
cg129138							
45	chr7	7228559		-0.34406	-2.01578	0.045391	0.950195
cg212277							
84	chr20	60511759		-0.29781	-2.01712	0.045249	0.950195
cg211326							
86	chr20	22795774	CD93	-0.28593	-2.0185	0.045104	0.950195
cg186896							
91	chr21	46703750		0.186511	2.016837	0.045279	0.950195
cg144090							
32	chr9	1.29E+08		0.210333	2.015159	0.045456	0.950195
cg231324							
69	chr1	19181459		0.74489	2.013946	0.045585	0.950195
cg116251							
07	chr7	1.51E+08	CHPF2	0.237067	2.015366	0.045434	0.950195
cg110656							
93	chr14	24630380	NOP9	-0.21225	-2.01392	0.045588	0.950195
cg009232							
95	chr10	1.28E+08		0.208867	2.014997	0.045473	0.950195
			VCAM1;BCAS2P				
cg181943			2;CDC14A;ENSG				
53	chr1	1E+08	00000233983	-0.14253	-2.01589	0.045379	0.950195

cg030005							
03	chr8	39171648		0.357161	2.015641	0.045405	0.950195
cg013657							
62	chr6	30457827		0.294976	2.02137	0.044803	0.949794
cg136588							
99	chr9	1.39E+08		0.301241	2.015263	0.045445	0.950195
cg007143							
09	chr1	52422674		0.264509	2.016893	0.045273	0.950195
cg133882			ENSG000002146				
77	chr7	63504673	52;NMD3P1	-0.27694	-2.01491	0.045483	0.950195
cg047307							
68	chr10	50816262		0.165956	2.016677	0.045296	0.950195
cg140099							
00	chr9	93983210	SYK	0.319471	2.0144	0.045537	0.950195
cg029530							
29	chr4	95128914		-0.27614	-2.01627	0.045338	0.950195
cg062787							
14	chr7	43287968	YKT6;HECW1	-0.2207	-2.016	0.045367	0.950195
cg048340							
97	chr7	63774078		0.279333	2.014321	0.045545	0.950195
cg096103							
11	chr15	58839555	FAM63B	0.386094	2.013968	0.045582	0.950195
cg209923							
61	chr7	14755869		0.233702	2.01594	0.045374	0.950195
cg256643							
38	chr3	1.29E+08		0.267864	2.013535	0.045628	0.950195
cg076844							
60	chr2	522386		-0.22489	-2.01398	0.045581	0.950195
cg014618							
47	chr6	27648057		0.275338	2.018029	0.045153	0.950195
cg101116							
64	chr3	1.13E+08		-0.33012	-2.01493	0.04548	0.950195
cg015314							
95	chr13	76123901		-0.16472	-2.01639	0.045326	0.950195
cg071184							
80	chr21	47800419		-0.19835	-2.01483	0.045491	0.950195
cg113369							
87	chr3	1.24E+08		-0.1898	-2.01407	0.045571	0.950195
cg039417							
44	chr16	30773383		0.196622	2.013848	0.045595	0.950195
cg074537							
18	chr22	51066776		0.133149	2.014347	0.045542	0.950195
cg107245							
76	chr8	1.45E+08		0.235986	2.018121	0.045144	0.950195
cg151340							
33	chr16	10274415		0.21928	2.014846	0.045489	0.950195
cg083015							
18	chr19	3672411		-0.14449	-2.01477	0.045497	0.950195



cg099278							
05	chr15	90319680		-0.21677	-2.01591	0.045377	0.950195
cg018445							
39	chr5	77140808		-0.20253	-2.01674	0.045289	0.950195
cg150238							
58	chr3	69812434		-0.24141	-2.0154	0.045431	0.950195
cg163545							
20	chr1	1.53E+08		-0.31325	-2.01491	0.045482	0.950195
cg229882							
37	chr1	1.55E+08 YY1AP1		-0.20161	-2.01459	0.045517	0.950195
cg143321							
29	chr19	3035779		-0.20597	-2.01363	0.045619	0.950195
cg260299							
02	chr20	56884425		-0.29604	-2.01448	0.045528	0.950195
cg000652							
15	chr1	18959268		0.243257	2.015092	0.045463	0.950195
cg266409							
27	chr4	1.21E+08		-0.28722	-2.01493	0.04548	0.950195
cg134393							
15	chr4	7197511 S100P		-0.38121	-2.01593	0.045375	0.950195
cg049251							
29	chr3	1.49E+08		-0.37974	-2.01399	0.04558	0.950195
cg099332							
79	chr1	2.07E+08		-0.20519	-2.01249	0.045739	0.950195
cg246844							
68	chr20	443316		-0.20409	-2.01474	0.045501	0.950195
cg054980							
41	chr19	361948		-0.30566	-2.01394	0.045585	0.950195
cg084678							
87	chr8	1.45E+08		-0.2928	-2.01364	0.045617	0.950195
cg263450							
46	chr13	37004620 NBEA		0.315717	2.015258	0.045446	0.950195
cg174111							
03	chr17	65241599		-0.1691	-2.01347	0.045635	0.950195
cg186862							
06	chr14	36985063 NKX2-1;SFTA3		0.29173	2.018415	0.045113	0.950195
cg032789							
89	chr19	54693461		-0.16984	-2.01374	0.045607	0.950195
cg140696							
83	chr9	1.23E+08		-0.20594	-2.01467	0.045507	0.950195
cg230175							
74	chr7	1.43E+08 FAM115B		0.239372	2.016428	0.045322	0.950195
cg023721							
44	chr17	58966213		-0.32436	-2.01598	0.04537	0.950195
cg028860							
27	chr8	1.04E+08		0.281994	2.015552	0.045415	0.950195
cg091074			ERBB3;RPS26;RB				
38	chr12	56819060 MS2		-0.31444	-2.01505	0.045468	0.950195

cg221065							
77	chr5	1.38E+08		0.191952	2.012733	0.045714	0.950195
cg180802							
69	chr17	35849444		-0.14029	-2.01424	0.045554	0.950195
cg158373							
08	chr6	32427751	HLA-DRB5	0.700795	2.013216	0.045662	0.950195
cg211327							
79	chr6	33359789		0.144847	2.014009	0.045578	0.950195
cg259034							
97	chr2	2.19E+08		0.351909	2.015696	0.045399	0.950195
cg067676							
37	chr17	74426948		-0.17526	-2.01424	0.045554	0.950195
cg246464							
57	chr15	42360292		-0.21062	-2.01339	0.045644	0.950195
cg261394							
02	chr15	1.01E+08		-0.24296	-2.01421	0.045557	0.950195

			CSF1;KCNA3;AM				
			IGO1;GSTM3;EN				
			SG00000261654				
			;GSTM5;CD53;E				
cg224948			NSG0000025983				
58	chr1	1.11E+08	4;LAMTOR5-AS1	0.295121	2.013491	0.045633	0.950195
cg037010							
01	chr12	51818636		0.148928	2.014542	0.045522	0.950195
cg176593							
00	chr12	1.06E+08		0.168344	2.01424	0.045554	0.950195
cg078851							
66	chr16	75512616		-0.21387	-2.01416	0.045562	0.950195
cg103134							
10	chr2	2.33E+08		0.32095	2.01294	0.045692	0.950195
cg252063							
43	chr10	820206		0.207063	2.014035	0.045575	0.950195
cg124351							
34	chr4	76860890		0.275628	2.013184	0.045666	0.950195
cg231557							
85	chr14	1.02E+08		-0.20676	-2.01765	0.045193	0.950195
cg119445							
18	chr3	30789746		-0.26656	-2.01724	0.045237	0.950195
cg097202							
05	chr16	57508738	MT1X	0.23984	2.013742	0.045606	0.950195
cg082142							
67	chr19	47843887		-0.2716	-2.01383	0.045597	0.950195
cg218026							
82	chr11	69682593		-0.21205	-2.01344	0.045639	0.950195

cg093012							
22	chr2	1.49E+08		0.211769	2.01368	0.045613	0.950195
cg142454							
71	chr2	10567843		0.48373	2.017813	0.045176	0.950195
cg119918							
93	chr10	3559479		0.243612	2.013114	0.045673	0.950195
cg003387							
02	chr12	1.33E+08		0.3115	2.013113	0.045673	0.950195
cg234632							
69	chr11	15136380		0.350842	2.013907	0.045589	0.950195
cg095584							
25	chr10	30073283		-0.36903	-2.01456	0.045519	0.950195
cg257414							
87	chr3	62363076		0.322649	2.013745	0.045606	0.950195
cg006626							
47	chr1	2.34E+08		-0.20462	-2.01376	0.045604	0.950195
cg016388							
09	chr3	14166520		-0.19629	-2.01614	0.045352	0.950195
cg201121							
59	chr12	80907159		0.378672	2.012979	0.045687	0.950195
cg003895							
15	chr22	40766657		0.166597	2.013471	0.045635	0.950195
cg104224							
55	chr11	19083542		-0.28129	-2.01374	0.045607	0.950195
cg141664							
85	chr9	1.27E+08		0.261317	2.013052	0.04568	0.950195
cg071796							
88	chr11	3950928		0.224597	2.012972	0.045688	0.950195
cg217963							
22	chr3	1.95E+08		0.210609	2.014983	0.045475	0.950195
cg006929							
33	chr16	68877417		-0.15757	-2.01378	0.045603	0.950195

			CEP104;SKI;MOR				
			N1;ENSG000002				
			69896;MEGF6;LI				
			NC01134;TP73-				
			AS1;DFFB;FAM2				
cg197040			13B;TP73;TTC34;				
73	chr1	3162159	TPRG1L	-0.3168	-2.01422	0.045556	0.950195
cg088733							
53	chr11	61560534	POLR2G	-0.2024	-2.013	0.045685	0.950195
cg163039							
18	chr2	2.2E+08		0.246199	2.012735	0.045713	0.950195
cg148977							
65	chr11	406492	SIGIRR	0.475372	2.011382	0.045857	0.95061

cg109145						
58	chr12	1.18E+08	NOS1	0.370859	2.01433	0.045544 0.950195
cg178060						
59	chr7	1.56E+08		-0.29454	-2.01431	0.045547 0.950195
cg066156			FBXL13;DPY19L2			
59	chr7	1.03E+08	P2	0.134593	2.012037	0.045788 0.950507
cg184839						
76	chr19	33571768		-0.21617	-2.01336	0.045647 0.950195
cg206872						
55	chr5	1.76E+08		-0.24923	-2.01743	0.045216 0.950195
cg251146						
93	chr2	1.06E+08		-0.32512	-2.01408	0.04557 0.950195
cg107077						
75	chr7	99061890		0.234753	2.013408	0.045642 0.950195
cg144783						
68	chr9	99209707		-0.30197	-2.01351	0.045631 0.950195
cg187229						
19	chr20	13619583		0.138982	2.013198	0.045664 0.950195
cg107033						
31	chr7	1.38E+08		-0.20837	-2.01382	0.045598 0.950195
cg245932						
72	chr10	1.03E+08		0.251795	2.013981	0.045581 0.950195
cg219060						
83	chr1	1.61E+08		-0.20844	-2.01324	0.045659 0.950195
cg032088						
50	chr16	3333472		0.14053	2.015114	0.045461 0.950195
cg091500						
65	chr4	42158732		-0.25101	-2.01197	0.045795 0.950507
cg075817						
39	chr5	1232437		-0.25481	-2.01391	0.045588 0.950195
cg045890						
50	chr17	17067814		0.173174	2.01379	0.045601 0.950195
cg095774						
69	chr7	1457117		-0.37842	-2.01229	0.045761 0.950314
cg266694						
38	chr8	1.33E+08		-0.2611	-2.01558	0.045412 0.950195
cg073240						
31	chr17	72434679		-0.22882	-2.0127	0.045717 0.950195
cg046179						
36	chr2	214353		0.443722	2.01586	0.045382 0.950195
cg251983						
40	chr3	57186283	IL17RD;ERC2	-0.23047	-2.01562	0.045407 0.950195
cg240828						
80	chr2	1.19E+08		0.371998	2.012281	0.045762 0.950314
cg275747						
86	chr1	89990235		0.191701	2.014157	0.045562 0.950195
cg113086						
39	chr2	69098272		-0.27135	-2.01322	0.045662 0.950195
cg256117						
50	chr14	1.02E+08	MOK	0.28659	2.011792	0.045814 0.950581

cg240645							
94	chr2	1.27E+08		-0.44803	-2.0138	0.0456	0.950195
cg063213							
04	chr15	40544174		-0.17367	-2.01296	0.04569	0.950195
cg070928							
80	chr11	85601106 SYTL2		-0.29979	-2.01369	0.045612	0.950195
cg199902							
64	chr5	1.8E+08		0.206159	2.013184	0.045666	0.950195
cg078528							
25	chr3	1.72E+08		0.225749	2.014389	0.045538	0.950195
cg156597							
13	chr8	38586183		0.332798	2.015309	0.04544	0.950195
cg023875							
83	chr6	32937621		-0.21309	-2.01333	0.045651	0.950195
cg022501							
91	chr2	27068753		0.246519	2.012612	0.045727	0.950195
cg015777							
51	chr12	54332222 ESPL1		0.314447	2.014316	0.045546	0.950195
cg124041							
68	chr13	91370196		-0.29017	-2.01473	0.045502	0.950195
cg176038							
57	chr19	56111499		-0.23251	-2.01261	0.045727	0.950195
cg184771							
88	chr6	32975885		-0.45016	-2.01323	0.04566	0.950195
cg104346							
53	chr16	4898242		-0.171	-2.01622	0.045344	0.950195
cg202213							
08	chr19	36883389		-0.2619	-2.0154	0.04543	0.950195
cg086586							
34	chr1	1.84E+08		-0.26334	-2.01285	0.045701	0.950195
cg069797							
71	chr16	24266773		0.223302	2.013101	0.045674	0.950195
cg110752							
30	chr8	1.46E+08		0.399808	2.012496	0.045739	0.950195

			CAPN9;ABCB10; ENSG000002441 37;FAM89A;RAB				
cg032561							
98	chr1	2.3E+08 4A		0.369937	2.018711	0.045082	0.950195
cg156059							
18	chr19	3501056		0.234946	2.013877	0.045592	0.950195
cg220440							
02	chr10	94825547		0.301466	2.012736	0.045713	0.950195
cg181137							
90	chr11	75141722		0.219865	2.012762	0.045711	0.950195
cg228837							
10	chr15	64455389		-0.16451	-2.01153	0.045842	0.950581
cg111983							
58	chr17	47928494		-0.16881	-2.01157	0.045838	0.950581

cg108320						
05	chr5	32710658	-0.29723	-2.01512	0.045461	0.950195
cg052285						
64	chr2	2.33E+08	-0.1929	-2.01304	0.045681	0.950195
cg123394						
24	chr2	32288911	-0.16172	-2.01342	0.04564	0.950195
cg021497						
40	chr11	63954507	0.189435	2.012995	0.045686	0.950195
cg019167						
43	chr1	2238932	-0.32433	-2.01158	0.045837	0.950581
cg207575						
19	chr18	5238310	-0.14222	-2.01289	0.045697	0.950195
cg019821						
70	chr3	40301346	-0.31759	-2.01163	0.045831	0.950581
cg221845						
07	chr5	1.41E+08	-0.33845	-2.01268	0.045719	0.950195
cg031759						
75	chr2	1.21E+08 TMEM37	0.239581	2.012665	0.045721	0.950195
cg069840						
80	chr16	2246994	0.153079	2.013899	0.04559	0.950195
cg105610						
67	chr5	1.79E+08 FLT4;MAML1	0.222763	2.014378	0.045539	0.950195
cg015067						
56	chr12	64422478	-0.21809	-2.01364	0.045617	0.950195
cg135651						
29	chr6	28601419 HIST1H1B	0.523928	2.012665	0.045721	0.950195
cg224114						
00	chr20	33735232	0.122434	2.013613	0.04562	0.950195
cg151357						
62	chr2	66805086	-0.28621	-2.01201	0.045791	0.950507
cg043959						
77	chr6	1.7E+08	-0.12256	-2.01198	0.045793	0.950507
cg101397						
42	chr16	56352151	0.185411	2.012508	0.045738	0.950195
cg023042						
33	chr1	1.47E+08	0.318019	2.011916	0.045801	0.950542
cg124931						
07	chr20	23344079	0.293205	2.013664	0.045615	0.950195
cg020766						
29	chr7	35494118	0.217796	2.014209	0.045557	0.950195
cg058557						
24	chr14	59806408	-0.20304	-2.01335	0.045648	0.950195
cg054378						
23	chr6	50813676	0.286168	2.011623	0.045832	0.950581
cg217597						
84	chr15	25317395	0.23276	2.016175	0.045349	0.950195
cg132365						
07	chr3	98241978	0.214745	2.013703	0.045611	0.950195
cg237475						
25	chr20	37064089	0.18041	2.01366	0.045615	0.950195

cg033336							
34	chr8	11555251		0.329553	2.013327	0.045651	0.950195
cg212282							
84	chr16	72127518		-0.1982	-2.01313	0.045672	0.950195
cg132324							
24	chr2	1.29E+08		0.211976	2.011733	0.04582	0.950581
cg108050							
82	chr1	1.79E+08		-0.20452	-2.01439	0.045538	0.950195
cg129883							
80	chr2	1.83E+08		-0.32262	-2.01213	0.045778	0.950442
cg051537							
81	chr14	1.05E+08		0.201368	2.013448	0.045638	0.950195
cg122589							
19	chr16	2521473		-0.14385	-2.01369	0.045612	0.950195
cg217127							
29	chr17	41910036		0.221116	2.012528	0.045735	0.950195
cg198749							
38	chr12	1.21E+08 P2RX4		-0.20271	-2.01088	0.045911	0.951027
cg264646							
26	chr19	35323752		0.723932	2.010659	0.045935	0.951287
cg137190		ENSG000002411					
84	chr11	73697917 70		0.283217	2.013161	0.045668	0.950195
cg237032							
16	chr8	1.43E+08		-0.27811	-2.01357	0.045625	0.950195
cg002641							
42	chr5	1.46E+08		0.115834	2.012269	0.045763	0.950314
cg256925							
24	chr13	52769662		0.48744	2.012249	0.045765	0.950314
cg016431							
23	chr12	63207179 DPY19L2		0.209933	2.012309	0.045759	0.950314
cg078784							
86	chr19	58951885		0.358349	2.011635	0.045831	0.950581
cg044885							
53	chr17	72702862		-0.19939	-2.01131	0.045865	0.95061
cg247299							
88	chr15	64271149 DAPK2;APH1B		0.258959	2.012491	0.045739	0.950195
cg153099							
53	chr2	5813258		0.232706	2.012328	0.045757	0.950314
cg241673							
78	chr18	71818951		0.227158	2.013036	0.045681	0.950195
cg256472							
34	chr13	1.09E+08		0.271383	2.013658	0.045615	0.950195
cg120522		ENSG000002355					
65	chr11	1.04E+08 05		0.421158	2.01261	0.045727	0.950195
cg211678							
17	chr1	3277557		-0.32227	-2.01405	0.045573	0.950195
cg100736							
98	chr15	71335214		-0.27057	-2.01463	0.045512	0.950195
cg082670							
47	chr2	2.03E+08		0.334905	2.014694	0.045505	0.950195

cg246866							
79	chr15	80887526		-0.30795	-2.01132	0.045864	0.95061
cg128225			ENSG000002527				
83	chr11	9335706	78	-0.14035	-2.01412	0.045566	0.950195
cg063886							
47	chr2	1.21E+08		0.383584	2.010883	0.045911	0.951027
cg166157							
76	chr2	2.42E+08		0.290913	2.012506	0.045738	0.950195
cg062062							
18	chr1	45481238		-0.16919	-2.01488	0.045486	0.950195
cg090689							
27	chr5	923726		0.271091	2.012498	0.045739	0.950195
cg079255							
42	chr16	15737176		-0.22817	-2.01255	0.045733	0.950195
cg048224			ENSG000002053				
56	chr4	1.42E+08	01;CLGN;IL15	-0.29546	-2.01098	0.045901	0.951027
cg170572							
18	chr18	77183423		-0.23216	-2.01117	0.045881	0.950862
cg080753							
29	chr22	42016431		-0.14285	-2.01165	0.045829	0.950581
cg134970							
69	chr6	29426119		-0.29464	-2.01345	0.045637	0.950195
cg138666							
18	chr6	10430049		-0.20955	-2.01256	0.045732	0.950195
cg012150							
27	chr5	1.8E+08		-0.18526	-2.01348	0.045634	0.950195
cg070486							
08	chr1	1.59E+08		-0.35884	-2.01223	0.045767	0.950314
cg029106							
50	chr7	1131628	PSMG3	0.225544	2.015369	0.045434	0.950195
cg186126			ENSG000002224				
47	chr14	21093801	89;RPPH1	0.216869	2.011503	0.045845	0.950581
cg180634							
93	chr17	43196221	KIF18B	-0.22068	-2.01181	0.045811	0.950581
cg269541							
97	chr5	436816		0.224713	2.011043	0.045894	0.951027
cg104101							
21	chr7	46213043		0.213738	2.013144	0.04567	0.950195
cg273892							
90	chr2	1.97E+08		0.224573	2.012702	0.045717	0.950195
cg059089							
79	chr3	52443702		0.194212	2.011766	0.045817	0.950581
cg141432							
09	chr9	1.32E+08		-0.12491	-2.0135	0.045632	0.950195
cg076124							
97	chr3	48672985		-0.16256	-2.01041	0.045961	0.951433



cg145593							
88	chr19	1457211	CIRBP-AS1	0.288803	2.010641	0.045937	0.951287
cg086219							
26	chr2	1.29E+08		0.320497	2.011502	0.045845	0.950581
cg186813							
52	chr22	39898064	GRAP2	0.245565	2.010944	0.045904	0.951027
cg260874							
08	chr4	1099075		0.197364	2.012416	0.045747	0.950267
cg152435							
42	chr7	44923719		0.247287	2.009689	0.046038	0.951503
cg177604							
05	chr6	1.01E+08		0.23491	2.011749	0.045818	0.950581

			FENDRR;FAM92 B;C16orf74;FOXF 1;FOXL1;MTHFS D;KIAA0513;CRIS PLD2;USP10;ENS				
cg065373							
33	chr16	85643863	G00000262601	0.174666	2.015484	0.045422	0.950195
cg035501							
29	chr2	1596054	SNTG2	0.205583	2.011306	0.045866	0.95061
cg253527							
33	chr1	94060102		-0.15338	-2.0117	0.045824	0.950581
cg031060							
56	chr2	2.17E+08		-0.37867	-2.01155	0.045839	0.950581
cg133451							
30	chr15	90863456		0.285998	2.009495	0.046059	0.951503
cg103869							
24	chr11	71135283		0.260465	2.013478	0.045634	0.950195
cg170328							
48	chr2	2.39E+08	RAMP1	0.275702	2.010366	0.045966	0.951433
cg179358							
75	chr20	49412184		-0.21635	-2.01438	0.045539	0.950195

			ENSG000002061 13;ENSG000002 49428;ENSG000				
cg154661							
57	chr4	3250090	00243894	0.198345	2.012256	0.045764	0.950314
cg170326							
46	chr1	1.11E+08		0.249492	2.009229	0.046088	0.951503
cg253017							
67	chr12	49731393	ZNF641	0.259227	2.010038	0.046001	0.951503
cg103724							
02	chr17	78387818		0.200189	2.010844	0.045915	0.951027

cg134206							
47	chr1	36883624		-0.22859	-2.01038	0.045964	0.951433
cg228346							
53	chr3	1.92E+08		0.233701	2.011413	0.045854	0.95061
cg178332							
65	chr17	48042135	EPN3	0.242268	2.010953	0.045903	0.951027
cg053050							
78	chr11	1.31E+08		-0.24266	-2.01058	0.045943	0.951379
cg064395							
47	chr1	2.31E+08		-0.38419	-2.00879	0.046135	0.951503
cg207828							
16	chr3	9808060		-0.2066	-2.00944	0.046065	0.951503
cg044548							
07	chr7	1.1E+08		0.254392	2.011309	0.045865	0.95061
cg271026							
91	chr8	1.24E+08		-0.29464	-2.01262	0.045726	0.950195
cg135142							
18	chr9	1.3E+08	SH2D3C	0.173613	2.009789	0.046028	0.951503
cg125007							
31	chr2	2.43E+08		0.465462	2.010919	0.045907	0.951027
cg225411							
43	chr4	84377292		0.130125	2.014647	0.04551	0.950195
cg081736							
06	chr3	1.34E+08	TMEM108	0.159634	2.011773	0.045816	0.950581
cg139693			CCDC136;FLNC;L				
27	chr7	1.28E+08	RRC4	0.287134	2.01196	0.045796	0.950507
cg259536							
72	chr4	56458449		0.219433	2.010418	0.04596	0.951433
cg169856							
32	chr20	30432938	TSPY26P	-0.21915	-2.01014	0.04599	0.951503
cg067264							
90	chr2	97166001	KANSL3	0.255481	2.012429	0.045746	0.950267
cg070163							
56	chr2	2.19E+08		-0.21666	-2.00948	0.046061	0.951503
cg109306							
79	chr3	98047673		0.209309	2.012599	0.045728	0.950195
cg172492							
10	chr10	1.03E+08	SCD	-0.25135	-2.0113	0.045866	0.95061
cg140474							
94	chr9	5418779	PPAPDC2	0.252473	2.010049	0.046	0.951503
cg215998							
20	chr12	24891597		0.308605	2.011953	0.045797	0.950507
cg081930							
85	chr2	1.98E+08		-0.18983	-2.00994	0.046012	0.951503
cg051668							
19	chr7	72936456	LIMK1	-0.23239	-2.01029	0.045974	0.951462
ch.5.3867							
3910R	chr5	38638153		-0.29943	-2.01002	0.046003	0.951503

cg114151							
52	chr19	58994892	-0.17989	-2.01027	0.045976	0.951462	
cg094969							
15	chr6	37751619	0.185807	2.012568	0.045731	0.950195	
cg126781							
91	chr6	31802415	-0.18245	-2.01089	0.04591	0.951027	
cg061365							
73	chr11	1.1E+08	0.338558	2.013185	0.045666	0.950195	
cg160161							
65	chr17	28257073	-0.26808	-2.0142	0.045558	0.950195	
cg087720							
03	chr10	1.05E+08	0.356392	2.00995	0.04601	0.951503	
cg167949							
61	chr2	5882032	-0.33679	-2.00991	0.046015	0.951503	
cg197341							
63	chr7	1.39E+08	0.243783	2.012681	0.045719	0.950195	
cg207009							
77	chr11	1.17E+08 TAGLN	0.259014	2.009942	0.046011	0.951503	
cg039885							
33	chr11	1.25E+08 STT3A;EI24	0.147471	2.01005	0.046	0.951503	
cg007127							
92	chr16	89921048	-0.20108	-2.0105	0.045952	0.951433	
cg061171							
84	chr2	1.14E+08	-0.39271	-2.00998	0.046007	0.951503	
cg009540							
03	chr2	85132392	-0.09838	-2.01214	0.045777	0.950442	
cg107166							
07	chr9	32552648 AQP7	-0.17986	-2.01338	0.045645	0.950195	
cg008081							
75	chr12	6949119	0.189696	2.00871	0.046143	0.951503	
cg159933							
54	chr19	12912590	-0.21479	-2.00879	0.046134	0.951503	
cg026105							
50	chr13	74708579	-0.34499	-2.012	0.045792	0.950507	
cg049913							
37	chr3	1.83E+08	-0.28913	-2.01323	0.045661	0.950195	
cg207259							
07	chr3	1.44E+08	0.265165	2.01161	0.045833	0.950581	
cg275096							
93	chr11	1.34E+08	0.440418	2.010277	0.045976	0.951462	
cg237191							
30	chr15	43477616	0.148901	2.009247	0.046086	0.951503	
cg065187							
14	chr8	9870454	0.293373	2.009888	0.046017	0.951503	
cg197256							
25	chr3	1.55E+08 PLCH1	0.43095	2.008481	0.046168	0.951503	
cg010279							
37	chr4	74486080	-0.30894	-2.01098	0.045901	0.951027	
cg012978							
08	chr10	94180551	0.210224	2.009816	0.046025	0.951503	

cg132796							
43	chr4	25071580		-0.25578	-2.00887	0.046127	0.951503
cg226066							
58	chr4	1.51E+08		0.259133	2.009543	0.046054	0.951503
cg050992							
21	chr17	46036365		0.244921	2.009957	0.04601	0.951503
cg100521							
18	chr17	53499747		0.224207	2.01138	0.045858	0.95061
cg025647		ENSG000002514					
61	chr4	37246054	38	0.206764	2.009639	0.046044	0.951503
cg158976							
13	chr1	23418405		-0.25982	-2.01084	0.045915	0.951027
cg211159							
77	chr10	48416510	ANTXRLP1	-0.25904	-2.00814	0.046205	0.951503
cg091627							
51	chr7	1.27E+08		0.154451	2.01267	0.04572	0.950195
cg008286							
89	chr3	1.97E+08		-0.34945	-2.00983	0.046024	0.951503
cg058743							
55	chr11	71724677	FCHSD2	0.272415	2.009242	0.046086	0.951503
cg099560		ENSG000002350					
37	chr11	1899652	27	-0.23251	-2.01069	0.045932	0.951276
cg157867							
05	chr6	28176104		-0.17456	-2.01111	0.045886	0.950939
cg028493							
09	chr6	1.44E+08		0.273325	2.008038	0.046215	0.951503
cg113825							
89	chr17	22052191		0.350922	2.008725	0.046142	0.951503
cg118401							
04	chr2	2.18E+08		-0.19094	-2.01016	0.045988	0.951503
cg261182							
02	chr5	1806471		-0.21048	-2.00739	0.046284	0.951503
cg124113							
09	chr12	54582659		-0.22836	-2.00909	0.046102	0.951503
cg259948							
83	chr1	2.35E+08		-0.18525	-2.0091	0.046102	0.951503
cg106223							
07	chr19	18433643		-0.17567	-2.0101	0.045994	0.951503
cg007348							
95	chr19	7532157		-0.3367	-2.00985	0.046021	0.951503
cg092880							
89	chr7	43563447	YKT6	-0.18625	-2.00947	0.046062	0.951503
cg219021							
19	chr17	41173883	RPL27	0.215301	2.009301	0.04608	0.951503
cg238918							
58	chr1	1093212		-0.22373	-2.00889	0.046124	0.951503
cg002733							
40	chr11	64112444	RARRES3	-0.21116	-2.0094	0.046069	0.951503
cg160248							
01	chr1	2.31E+08		-0.31686	-2.00823	0.046195	0.951503

cg131164							
78	chr1	9217203		-0.25227	-2.00771	0.04625	0.951503
cg182644							
59	chr5	864297		-0.1355	-2.01038	0.045965	0.951433
cg067775							
81	chr6	37321919	CPNE5	0.176244	2.008494	0.046166	0.951503
cg062420							
63	chr11	67033801		0.140323	2.009255	0.046085	0.951503
cg238453							
10	chr20	45138738		-0.30962	-2.00797	0.046223	0.951503
cg126633							
21	chr1	46972470	POMGNT1	-0.30451	-2.00743	0.046281	0.951503
cg043910							
48	chr2	18766022		0.336695	2.009671	0.04604	0.951503
cg097155							
45	chr16	85196350		-0.40972	-2.00744	0.046279	0.951503
cg085253							
14	chr19	1854819	GNG7;HMHA1	-0.39708	-2.00771	0.04625	0.951503
cg094232							
83	chr6	1.47E+08		0.312791	2.008865	0.046127	0.951503
cg118746			SVIL;ZNF438;KIA				
13	chr10	30237495	A1462	-0.24561	-2.0084	0.046177	0.951503
cg031527							
20	chr4	2399925	SLBP	-0.18301	-2.00838	0.046179	0.951503
cg218216							
56	chr12	72689083		-0.21075	-2.00781	0.046239	0.951503
cg121895							
51	chr14	60952945	TRMT5	0.391287	2.006902	0.046337	0.951503
cg139187							
51	chr9	1.4E+08		-0.29301	-2.00857	0.046158	0.951503
cg056921							
27	chr2	55920477		0.214316	2.008066	0.046212	0.951503
cg056940							
52	chr11	5905892		-0.34383	-2.01031	0.045972	0.951462
cg214494							
45	chr8	1.45E+08		-0.22574	-2.00972	0.046035	0.951503
cg148948							
48	chr22	48884945		0.235742	2.008938	0.046119	0.951503
cg089760							
60	chr12	6832943		0.289876	2.008258	0.046192	0.951503
cg031289			ENSG000002523				
72	chr17	19140659	49	-0.2685	-2.00653	0.046377	0.951503
cg240403							
82	chr1	2.25E+08		-0.17278	-2.0079	0.04623	0.951503
cg079771							
78	chr11	63997715		0.153504	2.009094	0.046102	0.951503
cg065678							
29	chr16	89440878		-0.19571	-2.00937	0.046072	0.951503

cg174080						
87	chr5	78369355	-0.22887	-2.00904	0.046108	0.951503
cg011208						
51	chr1	6657644	-0.27285	-2.00706	0.04632	0.951503
cg142525						
19	chr9	1.38E+08	0.528859	2.006965	0.046331	0.951503
cg025657						
15	chr17	75525001	0.243507	2.008331	0.046184	0.951503
cg145379						
53	chr2	1.14E+08	-0.2461	-2.00956	0.046052	0.951503
cg175159						
32	chr7	1.56E+08	0.241884	2.009261	0.046084	0.951503
cg102282						
83	chr1	1.53E+08	-0.3611	-2.00878	0.046136	0.951503
cg073416						
24	chr20	2539167	0.229982	2.007049	0.046322	0.951503
cg042991						
35	chr11	1.29E+08	0.326416	2.006458	0.046385	0.951503
cg107380						
41	chr2	27991264	-0.22353	-2.00817	0.046202	0.951503
cg045687						
74	chr16	71569741	-0.25962	-2.00823	0.046195	0.951503
cg166324						
33	chr5	1.81E+08	-0.19853	-2.00827	0.04619	0.951503
cg205609						
06	chr3	47459876	-0.17656	-2.00946	0.046063	0.951503
cg038853						
32	chr11	832357 TSPAN4	0.298469	2.00967	0.04604	0.951503
cg214897						
53	chr5	1.38E+08	-0.18619	-2.00607	0.046427	0.951503
cg121140						
49	chr22	31892114	-0.14249	-2.00692	0.046335	0.951503
cg010100						
12	chr13	29933537	0.18077	2.009352	0.046074	0.951503
cg169093						
41	chr9	1.3E+08	-0.28944	-2.00677	0.046351	0.951503
cg245733						
10	chr10	60029455	0.153592	2.008976	0.046115	0.951503
cg142907						
05	chr20	60858364 C20orf166-AS1	0.222388	2.009021	0.04611	0.951503
cg081519						
83	chr6	33223081	-0.26004	-2.01074	0.045926	0.951214
cg062585						
93	chr16	48199609	-0.25856	-2.00925	0.046085	0.951503
cg178789						
72	chr3	1.93E+08	-0.29055	-2.01134	0.045862	0.95061
cg162655						
57	chr4	8443089	0.217126	2.008315	0.046186	0.951503

cg263446			PDLIM2;HR;REEP				
06	chr8	21976510	4	-0.19582	-2.00935	0.046074	0.951503
cg202375							
95	chr3	1.24E+08	MYLK	-0.25526	-2.01055	0.045946	0.951387
cg166846							
91	chr13	96949801		-0.35422	-2.00727	0.046297	0.951503
cg228708							
99	chr14	65347138		-0.15685	-2.00798	0.046221	0.951503

			KIAA1462;SVIL;P TCHD3P1;ZNF43 8;ENSG0000027				
cg196678							
11	chr10	30405328	2914	0.287772	2.00957	0.046051	0.951503
cg189599							
07	chr2	54517309		0.439022	2.008178	0.0462	0.951503
cg143417							
71	chr9	1.33E+08		0.239183	2.008961	0.046116	0.951503
cg199040							
31	chr1	1.58E+08		-0.27056	-2.0073	0.046295	0.951503
cg088121							
89	chr3	1.47E+08		0.319762	2.00789	0.046231	0.951503
cg044278							
60	chr17	96056		-0.18511	-2.00819	0.046199	0.951503
cg222803							
33	chr11	193016		-0.17061	-2.00906	0.046106	0.951503
cg098618							
71	chr22	43253517		-0.20446	-2.00725	0.0463	0.951503
cg024564							
06	chr19	36288702		0.245707	2.009024	0.04611	0.951503
cg234989							
25	chr13	52952113		0.259451	2.009707	0.046037	0.951503
cg063159							
74	chr1	1.55E+08		0.280784	2.009127	0.046099	0.951503
cg050083							
67	chr7	32994013		-0.24838	-2.00806	0.046213	0.951503

			CLDN7;VAMP2;T NFSF12;SLC2A4; ATP1B2;PER1;M PDU1;ACAP1;ELP 5;CTC1;TXNDC17				
cg057792							
46	chr17	7258070	;ARHGEF15	-0.281	-2.00807	0.046212	0.951503
cg160955							
93	chr1	2.49E+08		-0.18187	-2.00631	0.046401	0.951503

cg141352							
72	chr6	1.67E+08		-0.2191	-2.00868	0.046147	0.951503
cg239309							
45	chr11	15136376		0.320889	2.007949	0.046225	0.951503
cg094294							
37	chr5	6755265		0.27314	2.008468	0.046169	0.951503
			BUD31;ZKSCAN1				
			;ZNF3;KPNA7;ZC				
			WPW1;EPHB4;C				
			OPS6;ACHE;STA				
cg215400			G3;GAL3ST4;ARP				
35	chr7	99612715	C1A	-0.33206	-2.01188	0.045804	0.950567
cg273053							
57	chr5	1.41E+08		0.235464	2.007049	0.046322	0.951503
cg216053							
66	chr8	22294262		-0.22239	-2.00871	0.046143	0.951503
cg081306							
43	chr3	1.34E+08		-0.17143	-2.00635	0.046396	0.951503
cg226900							
46	chr1	36863663		0.1485	2.0075	0.046273	0.951503
cg141578							
44	chr10	1.23E+08		0.280837	2.009274	0.046083	0.951503
			TUFT1;ENSG000				
			00223861;S100A				
cg041398			10;PIP5K1A;ROR				
27	chr1	1.52E+08	C	-0.35033	-2.00852	0.046163	0.951503
cg198888							
69	chr4	54967674		0.220304	2.008357	0.046181	0.951503
cg140890							
45	chr14	91820590	CALM1	-0.3961	-2.00831	0.046186	0.951503
cg156857							
62	chr8	42298248		-0.22049	-2.00824	0.046194	0.951503
cg004476							
32	chr1	935861		-0.20467	-2.00647	0.046383	0.951503
cg060509							
64	chr8	98160907		-0.30728	-2.00685	0.046344	0.951503
cg049910							
36	chr14	29243762		0.256702	2.007802	0.046241	0.951503
cg012403							
85	chr4	84254417		-0.17796	-2.00887	0.046126	0.951503
cg106545							
84	chr17	77114640		0.188099	2.006476	0.046383	0.951503
cg041772							
87	chr4	21857313	GPR125	-0.41854	-2.00683	0.046345	0.951503



cg206738						
19	chr6	1.66E+08	0.325898	2.00744	0.04628	0.951503
cg113403						
63	chr19	17985049	-0.1645	-2.0056	0.046478	0.95171
cg060180						
95	chr13	46550134	0.309751	2.008696	0.046145	0.951503
cg224648						
83	chr20	31407537	-0.19596	-2.00827	0.04619	0.951503
cg110073						
91	chr12	86995819	-0.1845	-2.00633	0.046399	0.951503
cg064605						
53	chr22	49763530	-0.24969	-2.01041	0.045961	0.951433
cg045332						
48	chr17	58755185	-0.14716	-2.00912	0.0461	0.951503
cg128153						
55	chr2	75894077	0.329515	2.007582	0.046264	0.951503
cg045604						
56	chr6	1.05E+08	0.315712	2.006318	0.0464	0.951503
cg260255						
80	chr1	1.6E+08	-0.26657	-2.0082	0.046198	0.951503
cg079545						
72	chr12	1.17E+08	-0.20721	-2.00641	0.046391	0.951503
cg072922						
35	chr16	48844170	0.246441	2.006363	0.046395	0.951503
cg093461						
18	chr1	1.56E+08	0.217256	2.005327	0.046507	0.95194
ch.6.6240						
03F	chr6	25317643	0.289136	2.007125	0.046313	0.951503
cg002143						
95	chr3	1.49E+08	-0.32951	-2.00692	0.046336	0.951503
cg257411						
16	chr17	78418034	0.269622	2.006532	0.046377	0.951503
cg119056						
51	chr19	44008615	-0.26898	-2.00792	0.046228	0.951503
cg084793						
19	chr15	66648941	-0.22101	-2.00736	0.046288	0.951503
cg021026						
44	chr17	35969361 C17orf96;HNF1B	-0.1595	-2.00579	0.046458	0.95163
cg119095						
87	chr6	1.58E+08	-0.21752	-2.00903	0.046109	0.951503
cg126087						
02	chr11	45392566	0.284471	2.008158	0.046202	0.951503
cg156202						
94	chr3	1.84E+08	-0.23035	-2.00863	0.046152	0.951503
cg199696		ENSG000001880				
50	chr5	1634502 02	0.543436	2.006022	0.046432	0.951503
cg161392						
39	chr2	32288444	0.159555	2.007785	0.046242	0.951503
cg118051						
88	chr5	1089722 LPCAT1	0.215223	2.005199	0.046521	0.952042

cg243958							
01	chr1	86622624	LINC01140	-0.23292	-2.00681	0.046347	0.951503
cg250325							
95	chr13	96204978		0.369938	2.010487	0.045953	0.951433
cg252736							
02	chr1	29062859		0.410316	2.006182	0.046415	0.951503
cg114161							
02	chr8	651193		0.320165	2.006709	0.046358	0.951503
ch.9.8886							
2796F	chr9	89672976		-0.2512	-2.00897	0.046115	0.951503
cg018202							
73	chr6	35754906		-0.38103	-2.00667	0.046363	0.951503
cg230322							
15	chr1	71548950		-0.24957	-2.00705	0.046322	0.951503
cg030416							
17	chr7	2695410		0.226841	2.005966	0.046438	0.951503
cg088556							
30	chr3	68978377		-0.31617	-2.00576	0.046461	0.95163
cg262588							
77	chr1	1.55E+08		-0.17481	-2.00595	0.04644	0.951503
cg186442							
35	chr19	57352746		0.211205	2.007407	0.046283	0.951503
cg041680							
50	chr1	2.2E+08		0.253481	2.008375	0.046179	0.951503
cg188125							
79	chr11	85906252		-0.25403	-2.00614	0.04642	0.951503
cg187964							
58	chr19	2308423		0.237904	2.007084	0.046318	0.951503
cg041028							
94	chr7	1000210		-0.33495	-2.00698	0.04633	0.951503
cg111009							
33	chr5	1174646		-0.27316	-2.00908	0.046104	0.951503
cg238584							
10	chr22	46276678		0.35249	2.008003	0.046219	0.951503
cg221106							
50	chr3	1.37E+08		-0.28742	-2.00666	0.046364	0.951503
cg129950							
04	chr5	17395952		0.254441	2.005971	0.046438	0.951503
cg251315							
03	chr6	90529529		-0.12476	-2.00674	0.046355	0.951503
cg081711							
42	chr6	53013942		-0.24521	-2.00787	0.046233	0.951503
cg272874							
38	chr7	1066396		-0.1752	-2.01016	0.045988	0.951503
cg232458							
00	chr17	26671563		0.234831	2.008263	0.046191	0.951503
cg117028							
96	chr5	1.73E+08		0.49033	2.006791	0.046349	0.951503
cg068242							
94	chr1	22919087		-0.21122	-2.00598	0.046437	0.951503

cg068098							
23	chr17	1837787	RAP1GAP2	-0.29095	-2.00578	0.046458	0.95163
cg212976							
73	chr1	22469723		-0.15816	-2.00553	0.046485	0.951761
cg179308							
57	chr21	47817141		-0.24771	-2.00649	0.046382	0.951503
cg056174							
13	chr12	1.33E+08		-0.1578	-2.00528	0.046512	0.951948
cg056540							
96	chr12	1.06E+08	ALDH1L2	0.20015	2.009731	0.046034	0.951503
cg172984							
89	chr10	3109555		-0.19344	-2.00596	0.046438	0.951503
cg162389			ENSG000002672				
18	chr18	78004303	70	0.42399	2.006113	0.046422	0.951503
cg177235							
08	chr6	31474240		0.18469	2.005356	0.046504	0.95194
cg164909							
25	chr18	76560017		-0.19562	-2.00596	0.046439	0.951503
cg229429							
71	chr1	2.28E+08		-0.18393	-2.00712	0.046314	0.951503
cg138978							
33	chr13	74562744		0.295294	2.006133	0.04642	0.951503
cg261855							
08	chr1	54619445	LRP8	0.337971	2.007068	0.04632	0.951503
cg272182							
12	chr2	1.37E+08	CXCR4	-0.27467	-2.00532	0.046508	0.95194
cg084351							
57	chr15	73889561	ISLR	-0.31936	-2.00661	0.046368	0.951503
cg053511							
11	chr18	32720300		-0.21127	-2.00688	0.04634	0.951503
cg184035							
78	chr6	33278352		0.176309	2.005987	0.046436	0.951503
cg106401							
68	chr8	1.41E+08		-0.25992	-2.00594	0.046441	0.951503
cg011778							
49	chr15	87414956		-0.17999	-2.00622	0.046411	0.951503
cg135615							
18	chr14	22336334		-0.31366	-2.00632	0.0464	0.951503
cg226304							
33	chr19	45582582		0.136699	2.00647	0.046384	0.951503
cg021036							
89	chr17	79995725		0.156212	2.006472	0.046384	0.951503
cg162603							
43	chr11	1.19E+08		0.123174	2.006709	0.046358	0.951503
cg065215							
97	chr19	2783551	SCAMP4	-0.16317	-2.00536	0.046504	0.95194
cg017180							
71	chr16	2129354		-0.2383	-2.0071	0.046316	0.951503
cg075834							
90	chr19	15375374		0.205589	2.007229	0.046302	0.951503

cg204990							
33	chr10	12085115		-0.18102	-2.00407	0.046642	0.952612
cg137021							
92	chr6	1.69E+08		0.249844	2.008006	0.046219	0.951503
cg030214							
96	chr6	71997462		-0.28609	-2.00565	0.046473	0.951648
cg069457							
47	chr19	48324309		-0.17128	-2.00592	0.046444	0.951503
cg144805			SEPT4;SUPT4H1;				
31	chr17	55700565	TRIM25;MRPS23	0.265722	2.003738	0.046679	0.952766
cg275892							
04	chr16	740182		-0.14912	-2.00599	0.046435	0.951503
cg256817							
74	chr17	957287		0.201736	2.006184	0.046415	0.951503
ch.18.546							
433R	chr18	27424749		-0.3684	-2.00489	0.046555	0.952361
cg077410							
16	chr5	1.4E+08		0.176106	2.00662	0.046368	0.951503
cg144407							
23	chr9	87366222		0.282495	2.005008	0.046542	0.952236
cg110866							
97	chr5	1.31E+08		-0.15351	-2.0051	0.046532	0.952221
cg275072							
61	chr17	5403053	CXCL16;NUP88	0.31164	2.004476	0.046599	0.952428
cg202559							
33	chr12	20094250		-0.19294	-2.00565	0.046473	0.951648
cg114929							
64	chr3	39373813		0.280851	2.004848	0.046559	0.952361
cg100542							
62	chr7	856283		-0.18582	-2.00458	0.046588	0.952428
cg091106							
34	chr2	2.33E+08		0.216369	2.003449	0.04671	0.952811
cg248524			LDLRAD2;CDC42;				
46	chr1	21934726	DDOST	0.257949	2.00505	0.046537	0.952236
cg199040							
58	chr10	1.35E+08		-0.45369	-2.00322	0.046735	0.952867
cg228864							
05	chr7	74508925		-0.21015	-2.00378	0.046675	0.952766
cg033536							
54	chr10	80677715		-0.1926	-2.00426	0.046623	0.952535
cg197484							
36	chr1	77096137		-0.28404	-2.00662	0.046368	0.951503
cg211285							
68	chr2	2.16E+08		-0.32979	-2.00487	0.046557	0.952361
cg095838							
39	chr1	2.28E+08		-0.15756	-2.00644	0.046388	0.951503

cg126875							
27	chr9	80262456	GNA14	0.186301	2.004685	0.046577	0.952428
cg100555							
80	chr17	46707781	ABI3	0.337954	2.004347	0.046613	0.952535
cg101015			GPIHBP1;TSTA3;				
70	chr8	1.45E+08	ZNF696	0.250309	2.004765	0.046568	0.952408
cg174790							
60	chr17	81016185		0.51336	2.003901	0.046661	0.952674
cg147604			RPS18;DAXX;RPL				
38	chr6	33409448	32P1	-0.16626	-2.0032	0.046737	0.952867
cg094624							
77	chr3	1.96E+08		0.230268	2.005201	0.046521	0.952042
cg011638							
37	chr2	31457287		0.199765	2.003505	0.046704	0.952784
cg267949							
70	chr12	2967069		0.197864	2.003668	0.046687	0.952784
cg057664			ADCY7;ZNF423;E				
89	chr16	50875307	NSG0000026005	0.315605	2.003667	0.046687	0.952784
cg231667			7;SNX20				
73	chr1	2.44E+08		0.317653	2.005999	0.046435	0.951503
cg075460			ENSG000002583				
62	chr14	72925007	76	-0.21737	-2.00446	0.046601	0.952428
cg205215							
27	chr10	1.01E+08		0.167519	2.003873	0.046664	0.952674
cg162356			ENSG000001882				
79	chr5	476842	42;TPPP;SLC9A3	-0.54632	-2.00271	0.04679	0.952919
cg197416							
88	chr14	70346849		0.276672	2.004186	0.04663	0.952558
cg097819							
94	chr4	1.12E+08		0.395989	2.003977	0.046653	0.952612
cg092003							
04	chr13	1.14E+08		-0.16374	-2.00456	0.04659	0.952428
cg055297							
54	chr16	85045486		-0.17892	-2.00452	0.046594	0.952428
cg245313							
96	chr22	36013560		-0.21355	-2.00925	0.046086	0.951503
cg257292							
57	chr5	1.78E+08		0.213091	2.004003	0.04665	0.952612
cg151692							
66	chr7	41376887	SUGCT	0.311585	2.007361	0.046288	0.951503
cg238585							
32	chr4	1.54E+08		0.260604	2.005026	0.04654	0.952236

		SSC5D;PTPRH;PP					
cg094688		P1R12C;CDC42E					
36	chr19	55889611	P5	0.325488	2.006232	0.04641	0.951503
cg113458							
11	chr10	3283643		-0.20059	-2.00719	0.046306	0.951503
cg088589							
26	chr16	72918832		0.414946	2.006836	0.046345	0.951503
cg100620							
65	chr2	2.2E+08	SPEG;DES;STK16	0.312721	2.003745	0.046678	0.952766
cg013497							
72	chr2	64300445		0.229159	2.004277	0.046621	0.952535
cg121382							
86	chr4	71566524	SULT1E1	-0.28423	-2.00422	0.046627	0.952558
ch.5.7543							
13F	chr5	34829875		0.333181	2.005817	0.046454	0.95163
cg276244							
71	chr18	77280171		0.326602	2.005649	0.046472	0.951648
cg249775							
41	chr3	1.7E+08		-0.24882	-2.00465	0.04658	0.952428
cg141239							
23	chr13	79176572		0.185805	2.004452	0.046602	0.952428
cg227658							
29	chr6	1.68E+08		-0.27552	-2.00486	0.046558	0.952361
cg088889							
56	chr12	86267839	NTS	0.436329	2.003164	0.046741	0.952867
cg254957							
75	chr17	46970705		-0.16207	-2.00605	0.046429	0.951503
cg146151							
95	chr2	2335088		0.316929	2.004447	0.046602	0.952428
cg253774							
75	chr1	2.36E+08		-0.15283	-2.00447	0.0466	0.952428
cg134644							
01	chr21	44477740		-0.23142	-2.00397	0.046654	0.952612
cg103060							
79	chr6	1.09E+08		0.137098	2.003224	0.046735	0.952867
cg230329							
36	chr10	48573365		0.347596	2.005013	0.046541	0.952236
cg194682							
90	chr11	19380814		0.229501	2.004766	0.046568	0.952408
cg040270							
59	chr16	3482078		0.269361	2.00486	0.046558	0.952361
cg059304							
00	chr1	36273677		-0.17465	-2.00339	0.046717	0.952867
cg041691							
02	chr22	38306266		-0.18615	-2.00416	0.046634	0.952569
cg008828							
83	chr12	1.33E+08		0.216431	2.003502	0.046705	0.952784
cg249104							
10	chr5	1.8E+08		0.152332	2.004685	0.046577	0.952428

cg034066							
09	chr16	89129633		-0.23144	-2.0028	0.046781	0.952919
cg055620							
80	chr4	38666448		-0.22847	-2.00674	0.046355	0.951503
cg032916							
07	chr4	644572		0.313302	2.00303	0.046756	0.952867
cg041775							
17	chr19	33571484		0.230861	2.002421	0.046822	0.95293
cg117247							
50	chr6	1.64E+08		-0.25	-2.00398	0.046653	0.952612
cg164196							
38	chr2	2.34E+08		0.168995	2.004485	0.046598	0.952428
cg140925			RALGPS1;C9orf1				
36	chr9	1.31E+08	17	-0.12528	-2.00329	0.046728	0.952867
cg042539							
54	chr16	1148837		0.177958	2.002967	0.046762	0.952867
cg185966							
86	chr20	61908483		-0.1787	-2.00431	0.046617	0.952535
cg156453							
09	chr14	75988747	BATF	0.391654	2.00628	0.046404	0.951503
cg240948							
04	chr19	19737909		0.238502	2.003482	0.046707	0.952784
cg221355							
61	chr5	1865501		-0.31966	-2.00303	0.046756	0.952867
cg000162							
38	chr1	2.44E+08		-0.4482	-2.00211	0.046856	0.95293
cg061545							
70	chr1	40105764		0.157671	2.003933	0.046658	0.952651
cg132123							
62	chr1	21648026	LDLRAD2	-0.22701	-2.00775	0.046246	0.951503
cg035167							
05	chr1	1.8E+08		0.336409	2.00364	0.04669	0.952784
cg116555							
64	chr12	1.34E+08		-0.25651	-2.0057	0.046467	0.951648
cg029991							
46	chr20	61926731	SOX18	-0.23235	-2.00409	0.04664	0.952612
cg114108							
59	chr3	38687164		-0.1992	-2.00635	0.046397	0.951503
cg252742			SCARNA6;SCARN				
75	chr2	2.33E+08	A5	0.215415	2.002754	0.046786	0.952919
cg205961			DUOX2;DUOXA1				
62	chr15	45408861	;DUOXA2	0.259473	2.00306	0.046752	0.952867
cg003505							
03	chr19	13613614	DDX39A	-0.25114	-2.00446	0.046601	0.952428
cg006506							
41	chr7	27127752		0.279934	2.002653	0.046797	0.952919

cg039004						
74	chr12	1.15E+08	0.219016	2.005768	0.04646	0.95163
cg072224						
34	chr16	20395031	-0.33229	-2.00407	0.046643	0.952612
cg081095						
37	chr2	74045585	-0.23942	-2.00332	0.046724	0.952867
cg119416						
30	chr20	1283388	-0.3345	-2.00252	0.046811	0.952919
cg161444						
47	chr1	36184773	0.154957	2.002818	0.046779	0.952919
ch.8.5424						
9749F	chr8	54087196	0.28698	2.004678	0.046577	0.952428
cg077235						
10	chr6	30228063	0.278159	2.005307	0.046509	0.95194
cg004439						
71	chr4	1.74E+08	-0.25028	-2.00309	0.046749	0.952867
cg109452						
74	chr13	1.01E+08	0.253697	2.002498	0.046813	0.952919
cg004647						
73	chr17	79041990	-0.14108	-2.006	0.046434	0.951503
cg163977						
46	chr13	98092033	0.25723	2.00618	0.046415	0.951503
cg139373						
12	chr9	27342183	-0.2923	-2.00336	0.04672	0.952867
cg217866						
01	chr7	1.16E+08 CAV1	-0.28015	-2.00318	0.046739	0.952867
cg005538						
80	chr9	15511231 CCDC171	-0.1775	-2.00357	0.046698	0.952784
cg166515						
83	chr11	68850875	-0.24095	-2.00258	0.046804	0.952919
cg255755						
53	chr17	46048364	-0.2275	-2.00294	0.046766	0.952867
cg181475						
43	chr1	16276294	-0.25984	-2.00601	0.046434	0.951503
cg208606						
38	chr3	1.97E+08	-0.19552	-2.00162	0.046909	0.953066
cg155853						
32	chr13	67101887	0.258961	2.002434	0.04682	0.95293
cg103039						
67	chr8	97537718	-0.27347	-2.00253	0.04681	0.952919
cg207291						
23	chr4	2276943	-0.20519	-2.00258	0.046804	0.952919
cg182284						
56	chr2	2.43E+08	-0.41433	-2.00226	0.04684	0.95293
cg025715		HCP5;C2;AGPAT				
60	chr6	32037587 1;TAP1	-0.26554	-2.0022	0.046846	0.95293
cg174227						
04	chr11	1.29E+08	0.239022	2.003146	0.046743	0.952867



cg049169							
84	chr12	1.13E+08		-0.23877	-2.0027	0.046792	0.952919
cg049300							
01	chr16	73419745		0.19116	2.005729	0.046464	0.951645
cg218996							
10	chr3	15118612		-0.24892	-2.00362	0.046692	0.952784
cg174988							
41	chr1	2.36E+08		-0.25382	-2.00773	0.046249	0.951503
cg134124							
98	chr9	36037340		-0.19915	-2.00432	0.046616	0.952535
cg220461							
21	chr1	2.1E+08		0.137392	2.003524	0.046702	0.952784
cg069526							
71	chr2	1.82E+08		0.160721	2.001917	0.046876	0.95293
cg241510							
27	chr5	77656318		-0.17448	-2.00296	0.046763	0.952867
cg265028							
52	chr17	6659199 TNK1		-0.19164	-2.00206	0.046861	0.95293
cg093449							
43	chr11	65082364		-0.14751	-2.00227	0.046838	0.95293
cg037800			ZNF649;ZNF808;				
79	chr19	52097905 ZNF528		-0.15949	-2.00376	0.046677	0.952766
cg170876							
98	chr6	1.59E+08		-0.34243	-2.00225	0.04684	0.95293
cg087310							
09	chr13	99158901		0.203942	2.001197	0.046955	0.953188
cg242867							
89	chr6	10417726		0.184452	2.001793	0.04689	0.952967
cg149187			C14orf79;NUDT1				
43	chr14	1.05E+08 F26A;IGHA2	4;INF2;ADSSL1;KI	0.302356	2.002673	0.046794	0.952919
cg189019							
80	chr17	38911540		0.274008	2.000907	0.046986	0.953273
cg109187							
35	chr19	39754974		0.233189	2.006178	0.046415	0.951503
cg103254							
78	chr14	88793021		0.348019	2.001498	0.046922	0.953113
cg230684							
99	chr2	1.77E+08		0.235393	2.001689	0.046901	0.953023
cg241005							
06	chr3	44903551		-0.18057	-2.00195	0.046873	0.95293
cg114239							
90	chr22	36877559		-0.198	-2.00193	0.046875	0.95293
cg049030							
89	chr6	32905190 HLA-DMA		-0.24828	-2.00294	0.046766	0.952867
cg066489							
71	chr3	1.25E+08		0.124539	2.001251	0.046949	0.953188

cg262150			TARS;ENSG0000				
09	chr5	34008104	0249572;TTC23L	-0.19321	-2.00178	0.046891	0.952967
cg251046							
48	chr18	18566146		0.239839	2.002117	0.046855	0.95293
cg074724							
38	chr2	2.3E+08		-0.19324	-2.00108	0.046967	0.953188
cg229564							
31	chr5	34839036		0.293184	2.003485	0.046706	0.952784
cg061330							
62	chr3	62111708		-0.22622	-2.00557	0.04648	0.951713
cg132366							
59	chr20	2490040		0.279219	2.004294	0.046619	0.952535
cg195576							
23	chr17	40540543	RPL27	-0.18159	-2.00225	0.046841	0.95293
cg200256							
56	chr1	2.3E+08		0.18359	2.001421	0.04693	0.953113
cg004703							
41	chr2	1.83E+08		-0.43303	-2.00127	0.046947	0.953188
cg157272							
87	chr5	1.76E+08		0.348753	2.001629	0.046908	0.953066
cg187721							
58	chr3	16215032	OXNAD1	-0.20718	-2.00188	0.046881	0.95293
cg102038			NBL1;KLHDC7A;				
42	chr1	19280546	AKR7A2;IFFO2	-0.32989	-2.00386	0.046666	0.952674
cg165739							
57	chr8	21970273	BIN3;GFRA2	-0.2518	-2.00139	0.046934	0.953113
cg056507							
19	chr12	1.32E+08		0.43516	2.003989	0.046652	0.952612
cg055405							
73	chr4	1.9E+08		0.275449	2.004254	0.046623	0.952535
cg159990							
99	chr8	1.2E+08		-0.2456	-2.00535	0.046504	0.95194
cg142606							
43	chr7	99277394	CYP3A5	-0.20667	-2.0012	0.046955	0.953188
cg181691							
28	chr14	53619322		-0.16895	-2.00228	0.046837	0.95293
cg230662							
80	chr7	1.58E+08		-0.89053	-2.00088	0.046989	0.953273
cg092384							
83	chr3	38496774		0.212087	2.002844	0.046776	0.952919
cg068251							
66	chr10	98119079	ENTPD1	-0.17469	-2.00633	0.046399	0.951503
cg109837							
20	chr1	1.14E+08		0.211385	2.001431	0.046929	0.953113
cg216081							
95	chr8	30891249		-0.14721	-2.00173	0.046896	0.95297

cg072333			RCC2;ARHGEF10				
43	chr1	17944660	L;PADI1	0.261592	2.001948	0.046873	0.95293
cg161288							
92	chr3	1.5E+08		-0.35809	-2.00176	0.046894	0.952967
cg243223							
98	chr17	72889791		-0.2102	-2.00149	0.046923	0.953113
cg241847							
92	chr8	1.33E+08		0.394037	2.00199	0.046868	0.95293
cg019903							
34	chr1	42801334		-0.15616	-2.00025	0.047058	0.953416
cg237774							
44	chr6	1.53E+08		-0.13318	-2.00296	0.046763	0.952867
cg066995							
19	chr11	2398327		0.293663	2.001386	0.046934	0.953113
cg116848							
97	chr17	2951666		0.291618	2.001299	0.046944	0.953188
cg228115							
72	chr5	72861858		0.194328	2.003065	0.046752	0.952867
cg043921							
33	chr4	1.91E+08		-0.25222	-2.00212	0.046854	0.95293
cg006916							
71	chr1	65435148		-0.24136	-2.00418	0.046631	0.952558
cg220513							
45	chr4	1.84E+08		0.733795	2.002013	0.046866	0.95293
cg121413							
40	chr1	19890415	NBL1	-0.2855	-2.00477	0.046568	0.952408
cg121381							
24	chr1	7797432		-0.33948	-1.99987	0.047099	0.953429

			CEACAM6;AXL;D EDD2;CEACAM3; CIC;MEGF8;CEA CAM5;GRIK5;EN				
cg076221							
93	chr19	42701920	SG00000268027	-0.27788	-2.0018	0.046889	0.952967
cg175909							
38	chr2	97202435		-0.1587	-2.00023	0.04706	0.953416
cg033318							
53	chr13	48669516		-0.14723	-2.00105	0.046971	0.953221

			HIST1H2BH;BTN 3A2;HIST1H3G;H IST1H3F;HIST1H				
cg138264							
52	chr6	26758395	3B	0.30417	2.000926	0.046984	0.953273
cg222826							
72	chr5	1.21E+08		-0.32015	-2.00196	0.046872	0.95293

cg240208							
26	chr8	1.41E+08		-0.25366	-2.00111	0.046965	0.953188
cg201147							
39	chr10	53459604		-0.28474	-2.00189	0.04688	0.95293
cg248489							
48	chr3	12942355		0.179174	2.000938	0.046983	0.953273
cg130847			ENSG000002338				
31	chr7	20834411	34;ITGB8	0.365427	2.000937	0.046983	0.953273
cg205495							
45	chr2	9563828		-0.14697	-2.00697	0.04633	0.951503
cg220987							
42	chr6	31936565		0.178744	2.002591	0.046803	0.952919
cg154856							
45	chr19	52839738		0.124026	2.000084	0.047076	0.953416
cg016915			ENSG000002485				
22	chr5	42998521	54	0.307682	2.003052	0.046753	0.952867
cg144944							
51	chr2	1.54E+08		-0.20105	-2.00287	0.046773	0.952919
cg142103							
21	chr2	1.07E+08		-0.30928	-2.0008	0.046998	0.953305
cg193382							
77	chr6	26285358		0.217562	2.001311	0.046942	0.953188
cg019723							
35	chr9	1.4E+08		0.244461	2.000018	0.047083	0.953416
cg026220							
74	chr6	10412225		-0.25782	-2.00229	0.046836	0.95293
cg239968							
46	chr8	10383156		-0.23482	-1.99974	0.047114	0.953459
cg026590							
09	chr5	1.4E+08	PCDHA10	-0.17241	-2.00021	0.047062	0.953416
cg043427							
62	chr7	95705185		0.27809	2.002636	0.046798	0.952919
cg197896							
53	chr22	21368637		-0.14916	-2.00084	0.046994	0.953273
cg118670							
12	chr19	42364667		-0.30319	-2.0021	0.046857	0.95293
cg125857							
59	chr1	33547165	YARS	-0.15471	-2.00221	0.046844	0.95293
cg005290							
53	chr6	1.59E+08		-0.18192	-2.00026	0.047057	0.953416
cg109977							
18	chr2	1.62E+08		0.266642	2.001519	0.04692	0.953113
cg100818			MARS;LRP1;ERB				
11	chr12	57390700	B3;ARHGAP9	0.257796	1.999241	0.047168	0.953773
cg195395							
19	chr17	26553687		0.168371	2.002034	0.046864	0.95293

cg005168							
67	chr7	1.28E+08		0.273512	2.000413	0.04704	0.953416
cg093390							
89	chr1	1.6E+08	PVRL4;F11R	0.331905	2.002496	0.046814	0.952919
cg202206							
78	chr8	19243209		-0.31381	-2.00115	0.04696	0.953188
cg265495							
95	chr8	1.45E+08	ZNF696	0.25394	1.999859	0.047101	0.953429
cg103184							
43	chr17	685449		0.217189	2.002427	0.046821	0.95293
cg129864							
53	chr22	49137906		-0.26748	-1.99957	0.047132	0.95352
cg210296							
31	chr2	2.41E+08		-0.31904	-2.00066	0.047013	0.953416
cg136725							
01	chr17	27410685		0.20519	2.000204	0.047063	0.953416
cg155117							
38	chr3	48700027		0.195641	2.002931	0.046766	0.952867

			GPR176;ENSG00				
			000261183;SPIN				
			T1;DLL4;C15orf5				
cg190955			2;FSIP1;RMDN3;				
68	chr15	41062113	RHOV;LTK	-0.36162	-2.00534	0.046506	0.95194
cg066813							
24	chr2	1.65E+08		-0.26414	-2.00089	0.046988	0.953273
cg021184							
58	chr11	70567180		-0.20883	-2.00143	0.046929	0.953113
cg260703							
19	chr14	1.04E+08		-0.22057	-2.00067	0.047012	0.953416
cg247267							
68	chr8	1.09E+08		0.272524	2.001756	0.046894	0.952967
cg070238							
52	chr15	40696269		-0.25083	-1.99961	0.047128	0.953511
cg039939							
26	chr11	1.06E+08		0.153229	2.000556	0.047025	0.953416
cg146499							
65	chr2	73456858		0.203636	2.00052	0.047029	0.953416
cg216014							
93	chr13	1.1E+08		0.204371	2.000316	0.047051	0.953416
cg238302							
05	chr3	71127516		0.313487	2.002969	0.046762	0.952867

cg012688			ZNF671;ZNF418;				
24	chr19	58220818	PEG3;ZNF154	0.225579	1.999051	0.047189	0.953788

cg204718							
77	chr13	43819351		0.227192	2.004602	0.046585	0.952428
cg229742							
36	chr4	4867979		0.170097	1.999102	0.047183	0.953788
cg091394							
91	chr13	20392431		0.268944	2.00089	0.046988	0.953273
cg144207							
85	chr10	5456908		-0.24117	-2.00197	0.04687	0.95293
cg252305							
32	chr9	34646550		-0.27929	-2.00025	0.047058	0.953416
cg151114							
86	chr1	1.84E+08		0.365414	1.999664	0.047122	0.953467
cg050172							
76	chr8	1.17E+08		-0.21517	-2.00041	0.04704	0.953416
cg007921							
72	chr1	1.51E+08 GABPB2		-0.19384	-2.00207	0.04686	0.95293
cg000487							
43	chr5	1.41E+08		0.415172	1.999914	0.047095	0.953416
cg270539							
75	chr1	1.67E+08		-0.27119	-2.00138	0.046935	0.953113

			ENSG000002514				
cg084640			97;ENSG000002				
09	chr12	1.24E+08 69938		0.33498	2.000134	0.047071	0.953416
cg083419							
24	chr14	24731542		-0.23614	-1.99982	0.047105	0.953452
cg220538							
54	chr11	1.12E+08 COLCA1		0.201385	2.002641	0.046798	0.952919
cg071966							
37	chr4	1.87E+08		0.257106	2.000498	0.047031	0.953416
cg049178							
60	chr7	22757135 RPS2P32		-0.26107	-2.00192	0.046876	0.95293
cg006470							
95	chr12	42852913		-0.318	-1.99948	0.047142	0.953571
cg089463							
32	chr17	6899888 CLDN7		0.26798	1.999392	0.047152	0.953712
cg025671							
51	chr20	61915437 RPS21		-0.27311	-2.0006	0.04702	0.953416
cg037601							
38	chr1	1079260 RNF223		-0.46954	-2.00161	0.04691	0.953066
cg173708							
47	chr10	3110781		0.214579	1.99824	0.047277	0.954227
cg101912							
48	chr10	1.34E+08		0.248744	1.998364	0.047264	0.954205
cg245048							
31	chr8	1.46E+08		-0.20562	-2.00334	0.046722	0.952867

			ZNF429;ENSG0000268119;ZNF493;ENSG00000268416;ENSG0000268081;ZNF				
ch.19.214							
60585R	chr19	21668745	737	-0.38217	-1.99886	0.04721	0.953908
cg115585							
91	chr22	21356472		-0.15228	-1.99985	0.047102	0.953429
cg169707							
02	chr2	38978664		0.245587	1.99956	0.047133	0.95352
cg001088							
73	chr9	1.39E+08	FCN1	-0.23225	-1.99781	0.047324	0.954304
cg016896							
16	chr12	1.32E+08		-0.25377	-2.0036	0.046694	0.952784
			PROM1;C1QTNF				
cg228678							
16	chr4	16081205	7;CC2D2A	0.364493	2.000032	0.047082	0.953416
			MCAM;KMT2A;P				
cg090425							
77	chr11	1.19E+08	HLDB1;UBE4A	0.540568	1.997881	0.047317	0.954304
cg076760							
02	chr20	44880000		0.250757	2.000344	0.047048	0.953416
cg241334							
77	chr12	50677524		0.169969	1.999934	0.047092	0.953416
cg177244							
12	chr6	28829283		0.379103	1.998833	0.047213	0.953908
cg115398							
57	chr6	436594		-0.43914	-2.00012	0.047072	0.953416
cg157235							
36	chr19	54926617		0.130515	2.002728	0.046788	0.952919
cg188965							
39	chr11	65479495		-0.20456	-1.99976	0.047112	0.953459
cg187638							
54	chr1	22987905		-0.20873	-1.99854	0.047244	0.954183
cg114866							
37	chr11	77589972	NARS2	0.283388	2.000601	0.04702	0.953416
cg062127							
53	chr17	7329719		0.32109	2.000156	0.047068	0.953416
cg065190							
61	chr1	2.15E+08	KCNK2	-0.28192	-2.00055	0.047025	0.953416
cg065704							
47	chr3	1.94E+08	FAM43A	-0.22058	-1.99967	0.047121	0.953467
cg034383							
54	chr20	34537645		-0.293	-2.00078	0.047	0.953307
cg236587							
44	chr1	1.12E+08		0.209992	1.998905	0.047205	0.953908

cg101938						
17	chr11	1.15E+08	-0.24129	-1.99784	0.047321	0.954304
cg133527						
08	chr19	37337985	-0.31376	-1.99952	0.047137	0.953558
cg040125						
35	chr1	37176647	0.245452	1.999001	0.047194	0.953799
cg163670						
27	chr9	1.16E+08	0.245607	1.999289	0.047163	0.953724
cg241671						
18	chr13	39261169	-0.18745	-1.99928	0.047163	0.953724
cg104512						
37	chr16	4671436 HMOX2;ALG1	0.186646	1.999713	0.047116	0.953459
cg078002						
08	chr7	97157869	-0.2852	-2.00001	0.047084	0.953416
cg101290						
85	chr6	1.6E+08	-0.2512	-1.99917	0.047176	0.953788
cg019817						
27	chr8	47156687	0.179856	2.001171	0.046958	0.953188
cg195657						
95	chr6	1.7E+08	-0.26615	-2.00191	0.046877	0.95293
cg217128						
12	chr8	1.25E+08	-0.14932	-1.99839	0.047261	0.954205
cg061162						
36	chr19	54466724	0.3272	1.999197	0.047173	0.953781
cg232654						
39	chr17	62074445	-0.19173	-1.99909	0.047185	0.953788
cg268336						
52	chr12	1.02E+08	0.345492	2.000381	0.047044	0.953416
cg109095						
06	chr17	38081995	-0.31204	-1.99844	0.047256	0.954205
cg212903						
13	chr7	20158232	-0.2811	-1.99906	0.047188	0.953788
cg161544						
16	chr15	79382767	0.263714	1.99829	0.047272	0.954205
cg183301						
75	chr6	31697799	0.214202	1.998426	0.047257	0.954205
cg079331						
99	chr3	1.93E+08	-0.17012	-2.00019	0.047064	0.953416
cg094500						
63	chr13	1.09E+08	0.240008	1.998611	0.047237	0.954183
cg251018						
69	chr11	36531122	0.190571	1.998525	0.047246	0.954183
cg137283						
76	chr10	5523245 AKR1C3;AKR1C2	-0.36371	-2.00358	0.046696	0.952784
cg211784						
34	chr22	50683719	-0.13506	-2.00001	0.047084	0.953416
cg151460						
39	chr10	29013036	0.257387	1.998105	0.047292	0.954304
cg091748						
55	chr19	1592510	0.217384	1.998756	0.047221	0.953989



cg24979288	chr7	27242424		0.306679	1.997531	0.047355	0.954322
cg15090262	chr18	43262611		-0.198	-1.99993	0.047092	0.953416
cg01986630	chr16	53946263	CHD9	-0.34569	-1.99933	0.047158	0.953724
cg14843731	chr21	27942803	ADAMTS1;ADAMTS5	0.243669	2.00018	0.047065	0.953416
cg13877315	chr9	1.4E+08	GRIN1	-0.46685	-1.99833	0.047268	0.954205
cg04991728	chr6	29720954		0.226765	1.997595	0.047348	0.954322
cg22877212	chr3	4355346		-0.30093	-1.99698	0.047416	0.954674
cg23221090	chr10	64892741		0.225264	1.997722	0.047334	0.954322
cg21089453	chr9	1.03E+08		-0.24217	-1.99887	0.047208	0.953908
cg08122386	chr6	26195954		-0.46801	-2.00085	0.046993	0.953273
cg08530738	chr20	37072255		-0.20733	-1.99971	0.047117	0.953459
cg26014884	chr1	2.07E+08	SRGAP2	-0.27072	-1.99911	0.047183	0.953788
cg15070677	chr6	33288804		0.456466	1.999208	0.047172	0.953781
cg16348164	chr10	45811882		-0.32277	-2.00147	0.046925	0.953113
cg21604972	chr3	1.15E+08		-0.20765	-2.00024	0.047059	0.953416
cg05667401	chr16	31073266		0.380218	1.998844	0.047211	0.953908
cg15486123	chr1	1.53E+08		0.261911	1.998584	0.04724	0.954183
cg13400168	chr19	54481620		0.404331	1.997484	0.04736	0.954322
cg01034312	chr4	89510112		0.281137	1.997994	0.047304	0.954304
cg03190578	chr3	13517897	ENSG00000228242;ENSG00000251576;TMEM43;RAF1;C3orf83;FGD5P1;IQSEC1	0.315982	2.002534	0.046809	0.952919
cg22434409	chr4	21950722		-0.21743	-1.99772	0.047335	0.954322

cg266404							
73	chr4	2927882		0.299528	2.001082	0.046967	0.953188
cg078713							
24	chr8	1.29E+08		-0.11733	-1.99862	0.047236	0.954183
cg230809							
08	chr3	65580091	LRIG1	-0.28718	-1.99749	0.04736	0.954322
cg226929							
64	chr11	19262062		0.346661	1.999646	0.047124	0.953467
cg011416							
45	chr8	62627837		0.241991	1.997941	0.04731	0.954304
cg070160							
60	chr10	1.35E+08		0.286697	2.000079	0.047077	0.953416
cg113370							
18	chr1	24513944		-0.13442	-1.99898	0.047196	0.953799
cg168779							
24	chr2	73429354		0.226429	1.999138	0.047179	0.953788
cg002197							
92	chr12	83053315		-0.30829	-1.99757	0.047351	0.954322
cg006901							
48	chr2	1.2E+08		0.338181	1.998756	0.047221	0.953989
cg211999							
88	chr11	57480024		-0.14295	-2.0011	0.046966	0.953188
cg259526							
63	chr12	54450826		-0.25458	-1.99771	0.047336	0.954322
cg178350							
72	chr2	71189456	ATP6V1B1	-0.25799	-1.99998	0.047088	0.953416
cg216026			CACNA1C;CACN				
14	chr12	1949586	A1C-IT3	-0.25561	-2.00011	0.047073	0.953416
cg146241							
45	chr17	37024169		0.397863	1.996878	0.047427	0.954674
cg262618							
73	chr3	72460688		-0.27364	-1.99777	0.047329	0.95432
cg134470							
33	chr7	69525741		0.247611	2.000752	0.047003	0.953328
cg097741							
98	chr13	33160713		0.223858	1.998531	0.047246	0.954183
cg270816							
02	chr6	4019159		0.228616	1.996592	0.047458	0.954674
cg263701							
58	chr1	2.36E+08		0.316102	1.996973	0.047416	0.954674
cg043712			ATRN1;GFRA1;E				
12	chr10	1.19E+08	NO4;HSPA12A	0.299555	1.999345	0.047157	0.953724
cg240045							
32	chr6	53517075		0.333405	1.999974	0.047088	0.953416
cg042113							
03	chr6	29975675	HLA-V	0.249973	1.999747	0.047113	0.953459

cg002202							
25	chr3	50194470	RASSF1	-0.27884	-1.99754	0.047355	0.954322
cg253748							
30	chr2	1.62E+08		-0.23115	-1.9983	0.04727	0.954205
cg199728							
58	chr3	5020996	EDEM1	-0.16287	-1.9968	0.047436	0.954674
cg150728							
71	chr13	1.14E+08	TMEM255B	-0.25348	-1.99821	0.047281	0.954247
cg031841							
94	chr6	10491939		0.300097	1.995559	0.047572	0.954674
cg216821							
18	chr6	1.28E+08		0.194813	1.99743	0.047366	0.954383

			SPAG16;ERBB4;E				
ch.2.4251			NSG0000019609				
330R	chr2	2.14E+08	6	-0.26147	-2.00116	0.046959	0.953188
cg270652							
17	chr8	65499369		0.318221	1.997395	0.04737	0.954383
cg012907							
10	chr19	40889978	RPS16	0.227079	1.996821	0.047433	0.954674
cg218078							
65	chr1	25559068		0.196795	1.997637	0.047343	0.954322
cg023873							
26	chr12	54345679		0.22326	1.997852	0.04732	0.954304
cg245332							
57	chr5	1.39E+08		-0.14828	-1.99696	0.047417	0.954674
cg181663							
47	chr12	22777927		0.195509	1.998093	0.047294	0.954304
cg174780							
16	chr6	1.7E+08		-0.28095	-1.99587	0.047538	0.954674
cg236952							
11	chr22	45083122		-0.30928	-1.99679	0.047436	0.954674

			RGS9;ERN1;CD7				
cg077399							
27	chr17	62778162	9B	-0.32916	-1.99834	0.047267	0.954205
cg197649							
40	chr19	5141399		-0.28085	-1.99688	0.047427	0.954674
cg238940							
86	chr7	27128046		0.272534	1.997083	0.047404	0.954674
cg261229							
63	chr7	1E+08	AP1S1	-0.2167	-1.99749	0.047359	0.954322
cg157394							
37	chr5	1.1E+08		-0.268	-1.99596	0.047527	0.954674
cg256942							
18	chr21	27106793		0.195397	1.998077	0.047295	0.954304
cg271382							
04	chr12	54446100		-0.31727	-1.99655	0.047463	0.954674
cg246562							
07	chr11	36030086		-0.6135	-1.9981	0.047293	0.954304

cg261022							
53	chr14	74666841		0.236946	1.998299	0.047271	0.954205
cg014038							
85	chr19	45742140		0.41441	1.996671	0.047449	0.954674
cg183245							
42	chr15	41198903		-0.19833	-1.99659	0.047458	0.954674
cg171718							
01	chr17	15164106		0.156582	1.995654	0.047561	0.954674
cg117401							
38	chr3	1.82E+08	SOX2-OT;FXR1	-0.28538	-2.00062	0.047018	0.953416
cg068820							
58	chr1	2.44E+08		0.23462	1.99578	0.047547	0.954674
cg158641							
04	chr18	55254508		-0.30375	-1.99652	0.047466	0.954674
cg038774							
92	chr19	1567421		0.212954	1.99602	0.047521	0.954674
cg216177							
44	chr22	38035918		0.26439	1.995881	0.047536	0.954674
cg096957							
34	chr15	89978107		-0.2056	-1.99641	0.047478	0.954674
cg207758							
10	chr4	1.46E+08		-0.32445	-1.99612	0.047509	0.954674
cg150271							
15	chr10	1.19E+08		-0.20586	-1.99728	0.047382	0.954537
cg005309							
18	chr11	93466913		0.275808	1.996707	0.047445	0.954674
cg037541			C1orf222;ENSGO				
43	chr1	1981548	0000238164	-0.17146	-1.99659	0.047458	0.954674
cg275287							
48	chr12	34503176		0.231543	1.996926	0.047421	0.954674
cg024492							
02	chr6	46761071	GPR116	0.294112	1.998566	0.047242	0.954183
cg133212							
59	chr3	1.94E+08		-0.21637	-1.99797	0.047307	0.954304
cg210804							
52	chr6	29589960		0.169605	1.997797	0.047326	0.954304
cg187931							
09	chr11	576230		-0.14357	-1.9948	0.047656	0.954674
cg078616							
81	chr19	54603567		0.284133	1.996467	0.047472	0.954674
cg005740			ENSG000002706				
14	chr19	9879473	14	-0.17804	-1.9968	0.047436	0.954674
cg120528							
12	chr1	2.31E+08		-0.16221	-1.99642	0.047477	0.954674
cg065203			PPP1R3C;HECTD				
31	chr10	93171002	2	0.305545	1.999287	0.047163	0.953724
cg204262							
75	chr7	1.28E+08		-0.38421	-2.01924	0.045026	0.950195

cg250718			ENSG0000002510				
69	chr8	21867345	34	0.328939	1.995492	0.047579	0.954674
cg135456							
33	chr17	75524350		0.228833	1.995369	0.047593	0.954674
cg052955							
58	chr17	40761584		0.169271	1.99827	0.047274	0.954205
cg013426							
92	chr12	32832968		-0.32774	-1.99592	0.047532	0.954674
cg011090							
65	chr3	55508379		0.222688	1.997357	0.047374	0.954422
cg069206							
67	chr14	1.03E+08		-0.1279	-1.99833	0.047268	0.954205
cg034026							
05	chr10	1.34E+08	ADAM8	-0.2484	-1.99627	0.047493	0.954674
cg186763							
93	chr2	39005264		0.242713	1.996232	0.047498	0.954674

			LCA5;ENSG0000				
cg086423			0272137;HMG				
42	chr6	79288261	3-AS1	-0.38154	-1.99583	0.047542	0.954674
cg200147							
78	chr1	2.3E+08		-0.20942	-1.99621	0.0475	0.954674
cg261043							
84	chr7	1E+08	NYAP1	-0.18744	-1.99781	0.047325	0.954304

			SPATA33;GAS8;E				
			NSG0000026025				
			9;GALNS;SPIRE2;				
			C16orf3;ANKRD1				
			1;URAHF;ENSG0				
cg020022			0000261574;CBF				
07	chr16	89913618	A2T3;ZNF778	0.349107	1.999498	0.04714	0.953567
cg151155							
63	chr12	1.24E+08		-0.11282	-1.99654	0.047464	0.954674
cg275201							
04	chr10	3172590		0.231013	1.996815	0.047434	0.954674
cg075839							
33	chr6	34486129	UHRF1BP1	-0.17772	-1.99643	0.047476	0.954674
cg026301							
68	chr2	1.51E+08		-0.20875	-1.99611	0.047511	0.954674
cg147631							
73	chr3	1.2E+08	NR112	0.29084	1.997667	0.04734	0.954322
cg073524			ENSG0000002246				
25	chr1	15573655	21	0.157603	1.995526	0.047575	0.954674

cg019851							
77	chr16	21289767		0.142838	1.994659	0.047671	0.954674
			TGFB1I1;ZNF267				
cg000277			;STX1B;PYCARD;				
29	chr16	31285773	DCTPP1	0.249143	1.999025	0.047192	0.953799
cg180161							
28	chr17	16396497	FAM211A-AS1	-0.17452	-1.99648	0.047471	0.954674
cg040959							
71	chr6	30028619		-0.28327	-1.99707	0.047406	0.954674
cg209637							
41	chr13	95359162		-0.37633	-1.99464	0.047672	0.954674
cg102303							
14	chr22	30552801	SMTN	-0.29265	-1.99787	0.047318	0.954304
cg199675							
82	chr12	1.24E+08		0.19807	1.996023	0.047521	0.954674
			ENSG000002586				
			99;TTC8;ENSG00				
			000258752;SPAT				
cg121695			A7;EFCAB11;EM				
68	chr14	89708532	L5;TDP1;ZC3H14	0.289651	1.997932	0.047311	0.954304
cg246868							
45	chr12	94698752	TMCC3	0.400501	1.997939	0.04731	0.954304
cg004098							
61	chr5	1.43E+08		-0.26861	-1.99576	0.04755	0.954674
cg255870							
69	chr5	1.51E+08		-0.38953	-1.99608	0.047515	0.954674
cg232482							
05	chr13	24475283		-0.20088	-1.99471	0.047665	0.954674
cg083324							
92	chr19	19174762		0.148273	1.995557	0.047572	0.954674
cg086277							
20	chr15	96959977		0.198347	1.997583	0.047349	0.954322
cg158867							
28	chr15	1.02E+08		0.15322	1.99552	0.047576	0.954674
cg226821							
62	chr6	97731065		-0.21982	-1.99585	0.04754	0.954674
cg111442							
69	chr12	1.18E+08		0.16727	1.995467	0.047582	0.954674
cg275509			CAMK2G;VCL;SY				
18	chr10	75410777	NPO2L	0.257421	1.995978	0.047526	0.954674
cg254075							
43	chr8	21945413		-0.15243	-1.99634	0.047486	0.954674

cg229950						
64	chr6	37913121	-0.24181	-1.99785	0.047321	0.954304
cg119463						
36	chr22	37816333	-0.26264	-1.99563	0.047564	0.954674
cg154382						
11	chr17	79967022	-0.20948	-1.99616	0.047506	0.954674
cg141630						
49	chr7	1E+08 ZCWPW1	-0.31316	-1.99504	0.047629	0.954674
cg009136						
04	chr16	66958650	0.178671	1.994969	0.047637	0.954674
cg129804						
77	chr6	27156454	0.205298	1.998385	0.047262	0.954205
cg232409						
61	chr12	57634410 AGAP2	-0.2308	-1.99595	0.047529	0.954674
cg184108						
72	chr13	1.01E+08 TMTC4;GPR183	0.221762	1.993772	0.047769	0.954674
cg210058						
53	chr15	90319584	0.213689	1.995735	0.047552	0.954674
cg069516						
26	chr12	22095330	0.398134	1.994913	0.047643	0.954674
cg243467						
76	chr1	1.48E+08	0.355463	1.997082	0.047404	0.954674
cg265406						
30	chr10	1334238	-0.33375	-1.99572	0.047554	0.954674
cg131760						
12	chr2	1.57E+08	0.265591	1.9946	0.047677	0.954674
cg111397						
40	chr12	92814660	-0.30851	-1.99587	0.047538	0.954674
cg005714						
83	chr1	59046173	-0.31526	-1.9964	0.047479	0.954674
cg139096						
69	chr2	2.32E+08	0.241782	1.994502	0.047688	0.954674
cg118542						
59	chr7	1.55E+08	0.243858	1.993887	0.047756	0.954674
cg101788						
65	chr8	46951335	-0.27658	-1.99416	0.047725	0.954674
cg007914						
06	chr12	14118880	-0.29047	-1.99479	0.047656	0.954674
cg063392						
65	chr16	11369615	0.19974	1.994745	0.047661	0.954674
cg273136						
42	chr8	65291542	0.312396	1.994808	0.047654	0.954674
cg044930						
00	chr22	48895658	-0.34537	-1.99535	0.047594	0.954674
cg020786						
90	chr11	1.23E+08	0.21616	1.994049	0.047738	0.954674
cg178158						
20	chr15	86219783	0.333492	1.995287	0.047602	0.954674
cg012303						
55	chr5	54527190	0.303775	1.995417	0.047587	0.954674

cg205255							
27	chr17	17056629	TBC1D27;TRPV2	-0.29019	-1.99552	0.047576	0.954674
cg166153							
57	chr5	1.35E+08		0.468732	2.000421	0.047039	0.953416
cg166953							
89	chr11	72433396		0.197781	1.998149	0.047287	0.954304
cg003029							
83	chr13	24007545		0.240449	1.994332	0.047707	0.954674
cg009826							
41	chr5	1.7E+08		0.786443	1.994568	0.047681	0.954674
cg019351							
22	chr15	41234390		0.269829	1.994028	0.04774	0.954674
cg193711							
21	chr1	1.75E+08		-0.34773	-1.99486	0.047649	0.954674
cg156548							
97	chr19	14068178		-0.19975	-1.99759	0.047349	0.954322
cg119653							
70	chr11	1.32E+08		0.292238	1.997399	0.04737	0.954383
cg239166							
79	chr4	70346347		-0.32233	-1.99661	0.047456	0.954674

			PLEKHO1;ADAM TSL4;BNIPL;HIST 2H4B;GOLPH3L;F				
cg098722							
78	chr1	1.5E+08	AM63A	-0.3712	-1.99595	0.047529	0.954674
cg257656							
19	chr20	39318100		-0.16314	-1.99393	0.047751	0.954674
cg274379							
44	chr3	1.81E+08		0.180268	1.995919	0.047532	0.954674
cg181673							
29	chr1	23694501		-0.19206	-1.99374	0.047773	0.954674
cg118701							
00	chr11	34534542	ABTB2;EHF	-0.25967	-1.99573	0.047552	0.954674
cg252783							
43	chr12	53589908	ITGB7	0.176822	1.995391	0.04759	0.954674
cg256450							
64	chr3	1.47E+08		0.287413	1.992881	0.047867	0.954687
cg202959							
92	chr6	1.08E+08		0.261882	1.996755	0.04744	0.954674
cg023002							
79	chr9	1.21E+08		0.272083	1.994749	0.047661	0.954674
cg054991							
11	chr15	27902080		-1.24339	-1.99218	0.047945	0.954814
cg009240							
52	chr7	28319594		0.351141	1.994294	0.047711	0.954674
cg092920							
77	chr1	1.55E+08		-0.2261	-1.99445	0.047694	0.954674



cg082146							
88	chr19	42412439		0.211633	1.994387	0.047701	0.954674
cg149147							
39	chr3	1.41E+08		-0.21662	-1.99595	0.047529	0.954674
cg276226							
33	chr4	1.2E+08		-0.1593	-1.99516	0.047615	0.954674
cg098772							
15	chr7	748801		-0.26652	-1.99452	0.047686	0.954674
cg117541							
85	chr13	54707971		0.346395	1.993839	0.047761	0.954674
cg099254							
67	chr10	1.14E+08 VTI1A		-0.28009	-1.99433	0.047707	0.954674
cg110477							
96	chr4	27465988		-0.21793	-1.99548	0.047581	0.954674
cg131265							
75	chr6	32147501		-0.22068	-1.9947	0.047667	0.954674
cg026527							
60	chr6	27278678 ZNF204P		-0.20165	-1.99524	0.047607	0.954674
cg159000							
34	chr8	1.44E+08		-0.20731	-1.99394	0.04775	0.954674
cg052656							
07	chr10	98900817		0.333626	1.994795	0.047656	0.954674
cg232241							
20	chr12	93966060		0.255261	1.995151	0.047617	0.954674
cg146861							
13	chr4	54965829		-0.17743	-1.99441	0.047698	0.954674
cg049815							
08	chr2	86116071		-0.1224	-1.998	0.047304	0.954304
cg013796							
56	chr3	1.75E+08		-0.32604	-1.99406	0.047736	0.954674
cg073625							
69	chr17	61921086 FTSJ3		0.554666	1.994935	0.04764	0.954674
			NOS3;SEPT7P6;K				
cg184045			MT2C;CDK5;RHE				
59	chr7	1.51E+08 B		0.261289	1.994114	0.047731	0.954674
cg149773							
65	chr20	57392898		-0.24043	-1.99473	0.047663	0.954674
			HLA-				
cg017232							
91	chr6	29855890 K;HCG4P7;HLA-H		-0.21078	-1.99606	0.047517	0.954674
cg217510							
23	chr7	1.27E+08		-0.20428	-1.99489	0.047645	0.954674
cg157189			ENSG0000002705				
40	chr6	3115130 04		0.267762	1.993276	0.047823	0.954674
cg162341							
72	chr5	1.42E+08		-0.15947	-1.99511	0.047621	0.954674
cg026024							
72	chr10	1.15E+08		-0.19198	-1.99414	0.047728	0.954674

cg119614			ZMIZ1;TMEM25				
95	chr10	80873797	4;ZCCHC24	-0.30666	-1.99437	0.047703	0.954674
cg145818							
03	chr21	47576844	SPATC1L	-0.29515	-1.994	0.047744	0.954674
cg243791			TIE1;TMEM125; PPCS;EBNA1BP2;				
22	chr1	43290402	C1orf210	0.291405	1.993996	0.047744	0.954674
cg070920							
29	chr16	83682278		0.259123	1.995311	0.047599	0.954674
cg038174							
83	chr16	74406059		0.225121	1.994412	0.047698	0.954674
cg241323							
25	chr5	1.56E+08		-0.3541	-1.994	0.047743	0.954674
cg191964							
01	chr6	1.11E+08		0.539583	1.993663	0.047781	0.954674
cg069961							
47	chr13	1.12E+08		0.337905	1.992388	0.047922	0.954803
cg226164							
30	chr6	31759728		-0.17822	-1.99442	0.047698	0.954674
cg068653							
63	chr12	1.31E+08		-0.31862	-1.99388	0.047757	0.954674
cg248256							
93	chr3	1.57E+08		-0.39662	-1.9941	0.047733	0.954674
cg248388							
25	chr10	1.12E+08	XPNPEP1;DUSP5	-0.34148	-1.99416	0.047726	0.954674
cg069831							
12	chr16	30939116		0.355788	1.993322	0.047818	0.954674
cg098692							
26	chr11	70253427		0.224276	1.995461	0.047582	0.954674
cg234724							
00	chr7	99704848		-0.38271	-1.99431	0.047709	0.954674
cg063277							
32	chr3	1.22E+08		-0.31421	-1.99391	0.047754	0.954674
cg156187							
97	chr5	1.4E+08		0.219802	1.993814	0.047764	0.954674
cg042280							
42	chr12	14996527		0.287134	1.993275	0.047824	0.954674
cg117664							
98	chr21	40817540		0.268668	1.992599	0.047898	0.954774
cg259560							
97	chr10	44163499	CXCL12	0.249551	1.994539	0.047684	0.954674
cg117620			TMEM38A;RASA				
18	chr19	16394574	L3;CYP4F3	0.374167	1.993764	0.047769	0.954674
cg034718							
93	chr4	1.13E+08		0.227785	1.994747	0.047661	0.954674

cg206720			ZFHX3;IST1;ENS				
44	chr16	72096498	G00000259798	-0.19899	-1.99443	0.047696	0.954674
cg018353							
68	chr7	39612363		-0.28928	-1.9942	0.047722	0.954674
cg003226							
66	chr3	87994995		-0.22086	-1.99384	0.047761	0.954674
cg032691							
71	chr10	1.05E+08		0.182107	1.994015	0.047742	0.954674
cg156129							
27	chr12	1058210		0.356625	1.993565	0.047791	0.954674
cg215120							
75	chr14	74318575		-0.11318	-1.99438	0.047702	0.954674
cg270490							
70	chr8	22426239		0.208582	1.993048	0.047849	0.954674
cg189530							
39	chr10	1031432		-0.22959	-1.99338	0.047812	0.954674
cg096799							
79	chr17	27276256		-0.14751	-1.99466	0.047671	0.954674
cg072886							
93	chr22	41348222		-0.25892	-1.99545	0.047584	0.954674
cg165515							
20	chr13	1.13E+08		0.363153	1.992614	0.047897	0.954774
cg211266							
92	chr6	14743444		-0.25351	-1.99264	0.047893	0.954774
cg068572							
63	chr19	47260556		0.256143	1.993427	0.047807	0.954674
cg111920							
55	chr3	44090802		-0.27704	-1.99392	0.047753	0.954674
cg038778							
29	chr5	1.11E+08	TSLP	-0.24647	-1.99401	0.047742	0.954674
cg266598							
05	chr19	2251588		0.504133	1.99401	0.047742	0.954674
cg019386							
50	chr4	30723290		0.298766	1.991607	0.048008	0.955084
cg156593							
47	chr12	1485599		-0.23407	-1.99334	0.047816	0.954674
cg144314							
76	chr3	1.14E+08		0.2765	1.993395	0.04781	0.954674
cg095902							
28	chr22	31608055		0.136908	1.992747	0.047882	0.954749
cg058856							
68	chr19	5800634	PTPRS	-0.18462	-1.99315	0.047838	0.954674
cg098963							
15	chr11	94172892		0.258915	1.993598	0.047788	0.954674
cg123032							
32	chr11	64785494		-0.22173	-1.99328	0.047823	0.954674
cg264180							
99	chr10	1.35E+08	ECHS1	0.253448	1.993553	0.047793	0.954674

cg001804						
47	chr3	1.26E+08		0.274348	1.994397	0.0477 0.954674
cg109290						
24	chr22	38713608		-0.22694	-1.99388	0.047757 0.954674
cg026884						
22	chr5	1409937		-0.30983	-1.9917	0.047998 0.955038
cg010818						
36	chr1	1.5E+08		0.184747	1.993404	0.047809 0.954674
cg006782						
86	chr7	1.56E+08 RBM33		0.201618	1.994078	0.047735 0.954674
cg256871						
79	chr19	39440924		0.327828	1.991819	0.047985 0.954936
cg106008						
89	chr17	37123767		0.390933	1.992606	0.047898 0.954774
cg186274						
59	chr12	1.18E+08		-0.19646	-1.99625	0.047496 0.954674
cg112698						
95	chr13	1.13E+08		0.253861	1.993644	0.047783 0.954674
cg138138						
13	chr20	35234619		-0.1817	-1.99442	0.047697 0.954674
cg064964						
84	chr2	1.77E+08		0.337983	1.993393	0.04781 0.954674
cg070351						
73	chr12	54368332		0.258449	1.995036	0.047629 0.954674
cg216192						
87	chr16	3767727		-0.13561	-1.99432	0.047708 0.954674
cg108924						
97	chr8	1.34E+08		0.198166	1.992816	0.047874 0.954687
cg240844						
59	chr4	2928179		0.25922	1.992524	0.047907 0.954774

GAS6;F10;TMEM  
255B;GAS6-  
AS1;GAS6-  
AS2;TFDP1;TMC

cg137380						
75	chr13	1.15E+08 O3		0.296748	1.994583	0.047679 0.954674
cg229483						
35	chr2	70475902		-0.12161	-1.99283	0.047872 0.954687
cg177323						
72	chr15	33604133		0.231822	1.993863	0.047759 0.954674
cg214677						
17	chr18	77623409		0.445766	1.992529	0.047906 0.954774
cg140678						
73	chr12	81110706		0.335398	1.992854	0.04787 0.954687
cg052976						
66	chr11	1.28E+08 FLI1		-0.27231	-1.9954	0.04759 0.954674
ch.9.1372						
42878F	chr9	1.38E+08		-0.2217	-1.993	0.047854 0.954674

cg124223							
51	chr1	95201226	MTND4P11	0.297622	1.992225	0.04794	0.954803
cg268602							
73	chr19	56687197		0.19769	1.993103	0.047843	0.954674
cg139120							
60	chr14	68141881		0.223359	1.992783	0.047878	0.954715
cg072994							
62	chr1	43855490		-0.17331	-1.99395	0.047749	0.954674
cg218828							
08	chr5	1.73E+08		-0.19124	-1.99302	0.047852	0.954674
cg229951							
14	chr2	8822738		0.224211	1.993211	0.047831	0.954674
cg042813							
44	chr16	5530509		-0.34554	-1.99373	0.047774	0.954674
cg010002							
80	chr22	30472636		-0.32807	-1.99329	0.047821	0.954674
cg260639							
04	chr1	1.01E+08	VCAM1	0.342004	1.991788	0.047988	0.954936
cg031687							
49	chr11	1.24E+08		0.260557	1.992077	0.047956	0.954892
cg186465							
21	chr2	1.12E+08		-0.23858	-1.99382	0.047763	0.954674
cg008785							
33	chr1	2848864		-0.13984	-1.99294	0.04786	0.954674
cg035535							
47	chr6	89791780		-0.15133	-1.99222	0.04794	0.954803
cg202073							
10	chr1	2.45E+08		-0.15596	-1.99348	0.047801	0.954674
cg184237			ZBTB7C;ACAA2;				
37	chr18	46500072	CTIF;DYM	-0.3483	-1.9963	0.04749	0.954674
cg143957							
61	chr17	81018559	C17orf62;CD7	-0.32418	-1.993	0.047854	0.954674
cg221888							
15	chr18	67137030	CCDC102B	-0.41164	-1.99302	0.047852	0.954674
cg156751							
23	chr5	12623177		-0.31467	-1.9926	0.047898	0.954774
cg266225							
02	chr11	65769931		-0.21899	-1.99323	0.047828	0.954674
cg229817			ZNF628;ENSG00				
38	chr19	56136128	000267298	-0.22608	-1.99069	0.04811	0.955571
cg204026							
58	chr8	1.03E+08		-0.18361	-1.9953	0.0476	0.954674
cg234045							
28	chr2	2.38E+08		-0.14582	-1.99541	0.047588	0.954674
cg208168							
89	chr11	1.12E+08		-0.21676	-1.99316	0.047836	0.954674
cg056765							
41	chr3	89156676		0.217902	1.992567	0.047902	0.954774

cg242420							
82	chr20	61448325		-0.15672	-1.99304	0.04785	0.954674
cg107852							
63	chr1	63785867		0.272453	1.994411	0.047698	0.954674
cg268709							
61	chr2	2.32E+08		0.250935	1.990906	0.048086	0.955571
cg230038							
81	chr5	1.73E+08		-0.26639	-1.9943	0.04771	0.954674
cg233874			ALOX15;ITGAE;N				
01	chr17	4582204	UP88	-0.4129	-1.99231	0.04793	0.954803
cg079127							
89	chr12	3600273		0.312326	1.992296	0.047932	0.954803
cg270761							
13	chr6	98973854		0.256559	1.992128	0.04795	0.954823
cg081704							
27	chr8	1.44E+08		-0.27924	-1.99127	0.048046	0.955571
cg038832							
95	chr2	1.2E+08		0.193014	1.994479	0.047691	0.954674
cg120188							
88	chr6	1.07E+08		-0.28064	-1.9919	0.047976	0.954936
cg000361							
37	chr19	56688439		-0.28576	-1.99215	0.047947	0.954814
cg174992							
41	chr1	1.56E+08		-0.16	-1.99201	0.047964	0.954936
cg203653							
36	chr6	16986186		-0.20886	-1.99533	0.047597	0.954674
cg082518							
15	chr2	85106968		0.212418	1.991775	0.04799	0.954936
cg138052							
97	chr9	90224272		-0.21596	-1.99229	0.047933	0.954803
cg084614			MUM1;ADAMTS				
51	chr19	2295092	L5;S1PR4	0.308135	1.992329	0.047928	0.954803
cg192444							
28	chr6	3229233		-0.21138	-1.99185	0.047981	0.954936
cg058362							
56	chr16	1006052		0.389657	1.991109	0.048063	0.955571
cg037360							
57	chr4	1.88E+08		-0.27359	-1.99375	0.047771	0.954674
cg118506							
59	chr6	1.64E+08		-0.29681	-1.99239	0.047921	0.954803
cg090042							
87	chr6	10426387		0.336189	1.991789	0.047988	0.954936
cg267199							
95	chr2	27309153		-0.18899	-1.9938	0.047766	0.954674
cg143623							
12	chr9	1.36E+08		-0.14611	-1.99167	0.048001	0.955038
cg002463							
66	chr16	4321381	HMOX2	-0.16948	-1.99093	0.048083	0.955571

cg223266							
81	chr22	38529083	-0.21621	-1.99251	0.047908	0.954774	
cg173829							
18	chr20	57042544	0.258572	1.994485	0.04769	0.954674	
cg049432							
41	chr4	5898879	-0.18721	-1.99252	0.047907	0.954774	
cg028031							
39	chr10	1.06E+08	0.220903	1.992958	0.047859	0.954674	
cg129931							
63	chr3	1.58E+08	0.251704	1.992494	0.04791	0.954774	
cg086089							
52	chr1	22383198	0.334449	1.990158	0.048169	0.955571	
cg133211							
66	chr11	59824038	0.320925	1.991829	0.047984	0.954936	
cg056610							
42	chr12	1.1E+08	0.24609	1.99225	0.047937	0.954803	
cg019172							
02	chr6	1.08E+08	0.177181	1.99	0.048187	0.955571	
cg065630							
86	chr17	44919303 NPEPPS	0.250686	1.991208	0.048052	0.955571	
cg228293							
94	chr12	1.23E+08	0.215667	1.989964	0.048191	0.955571	
cg070127							
70	chr18	2847301	0.151526	1.990589	0.048121	0.955571	
cg162482							
01	chr4	84377059	-0.13863	-1.9907	0.048109	0.955571	
cg037724							
08	chr16	19083353	-0.26086	-1.99325	0.047827	0.954674	
cg167932							
49	chr6	32135070 TAP1	0.374754	1.990005	0.048186	0.955571	
cg206165							
32	chr19	10429400	0.168046	1.993346	0.047816	0.954674	
cg135824							
57	chr5	1.72E+08	0.491479	1.992263	0.047935	0.954803	
cg251235							
21	chr5	1.5E+08	0.175673	1.990943	0.048082	0.955571	
cg009554							
97	chr15	89148699	-0.2684	-1.99336	0.047814	0.954674	
cg039586							
63	chr6	41262467	-0.204	-1.99097	0.048079	0.955571	
cg157036							
32	chr2	2.23E+08	0.213214	1.991843	0.047982	0.954936	
cg234888							
16	chr14	1.02E+08	0.218528	1.992236	0.047938	0.954803	
cg076511							
89	chr4	88753434	-0.30531	-1.99	0.048187	0.955571	
cg102106							
90	chr1	55138059 TMEM61	-0.24819	-1.99017	0.048168	0.955571	
cg091442							
26	chr5	1.57E+08	0.253574	1.992005	0.047964	0.954936	

cg015876							
30	chr7	23053820		-0.29337	-1.99147	0.048023	0.955291
cg078177							
39	chr6	397469	IRF4	-0.28316	-1.99009	0.048177	0.955571
			DNAI2;KIF19;SMI				
			M5;WBP2;HN1;				
cg170586			HID1;ENSG0000				
16	chr17	73102145	0265800	0.238199	1.991883	0.047978	0.954936
cg030019							
95	chr1	1.14E+08		-0.20801	-1.99016	0.048169	0.955571
			SIX1;SIX4;MNAT				
			1;PCNXL4;PRKCH				
			;C14orf39;SLC38				
			A6;TMEM30B;C				
cg068084			CDC175;ENSG00				
98	chr14	60974525	000258445	0.440522	1.993944	0.04775	0.954674
cg138081							
45	chr11	1.15E+08		0.40197	1.990711	0.048108	0.955571
cg048144							
67	chr4	1855934		-0.14157	-1.99088	0.048089	0.955571
cg052659							
85	chr11	20412000		0.290823	1.992563	0.047902	0.954774
cg134598							
52	chr2	74571248	HK2	-0.2342	-1.99215	0.047948	0.954814
cg010040							
63	chr14	88606476	PTPN21;FOXN3	-0.26114	-1.99119	0.048055	0.955571
cg006463							
81	chr17	77835854		0.230154	1.989697	0.04822	0.955571
cg134445							
28	chr4	1.85E+08		0.130525	1.992823	0.047874	0.954687
cg022318							
13	chr6	1.1E+08		0.299622	1.993282	0.047823	0.954674
cg003964							
84	chr11	1.26E+08		0.340006	1.990167	0.048168	0.955571
cg087108							
41	chr6	30421107		0.255759	1.991045	0.048071	0.955571
cg165719							
83	chr13	78492922	MYCBP2	0.339609	1.990519	0.048129	0.955571
cg116500							
37	chr5	1.72E+08		-0.24205	-1.99055	0.048126	0.955571
cg115160							
38	chr1	16985148		-0.35101	-1.99033	0.048149	0.955571



cg225498							
70	chr15	89949776		0.249668	1.989698	0.04822	0.955571
cg068617		ENSG000001879					
36	chr22	20918809 05		-0.22716	-1.98919	0.048277	0.955571
cg178810							
37	chr7	1.53E+08		-0.20685	-1.9906	0.04812	0.955571
cg086565							
04	chr4	1.04E+08		-0.20333	-1.99056	0.048125	0.955571
cg265614							
13	chr17	5488048 C1QBP		-0.3222	-1.9932	0.047832	0.954674
cg223008							
19	chr8	54755854		-0.16264	-1.99054	0.048126	0.955571
cg143366							
65	chr8	1789463		0.216882	1.993636	0.047784	0.954674
cg142274							
60	chr19	4518743		0.20601	1.99396	0.047748	0.954674
cg003889							
87	chr16	72698624		-0.20745	-1.98984	0.048205	0.955571
cg260746							
18	chr6	76059496		0.214099	1.993948	0.047749	0.954674
cg044756							
87	chr11	1.15E+08		0.24505	1.992964	0.047858	0.954674
cg124528							
13	chr2	68675892		0.374268	1.991947	0.04797	0.954936
cg111023							
24	chr15	49658865		-0.27841	-1.99043	0.048139	0.955571
cg093175							
54	chr4	1.52E+08 DCLK2		0.406845	1.991648	0.048004	0.955039
cg027642							
71	chr17	42264425		-0.18869	-1.99035	0.048148	0.955571
cg092846							
27	chr8	47120476		0.226689	1.99072	0.048107	0.955571
cg223037							
58	chr8	27373148		-0.27254	-1.99	0.048187	0.955571
cg194784							
78	chr6	1.24E+08		-0.33181	-1.99093	0.048083	0.955571
cg040454							
84	chr4	1.28E+08		-0.26192	-1.99018	0.048167	0.955571
cg211213							
36	chr12	12849068		0.296395	1.991975	0.047967	0.954936
cg188927							
90	chr22	25819979		-0.21287	-1.9906	0.04812	0.955571
cg273710							
91	chr19	58145084		0.384017	1.990487	0.048133	0.955571
cg005828							
81	chr5	1.49E+08		0.176462	1.990813	0.048096	0.955571
cg236518							
26	chr11	1.16E+08		0.229938	1.990191	0.048165	0.955571

		PKMYT1;C16orf7 1;CLDN9;CLUAP 1;ENSG0000027					
cg270354							
80	chr16	3907755	2079	0.296755	1.98976	0.048213	0.955571
cg161458							
34	chr6	33282321		-0.13001	-1.99098	0.048078	0.955571
cg010006							
37	chr2	74714095		0.225511	1.988917	0.048307	0.955571
cg223521							
22	chr11	453757		-0.19499	-1.98902	0.048296	0.955571
cg071325							
17	chr11	842517		-0.1376	-1.9902	0.048164	0.955571
cg015969							
86	chr13	48611463		0.234413	1.991124	0.048062	0.955571
cg018999							
11	chr7	1039070	ZFAND2A	0.193092	1.99105	0.04807	0.955571
cg257564							
06	chr10	1.35E+08	ECHS1	0.245672	1.989551	0.048237	0.955571
cg235980			BAIAP2L1;LMTK				
68	chr7	97953106	2	0.279347	1.989404	0.048253	0.955571
cg270069							
47	chr7	63924280		0.570833	1.990166	0.048168	0.955571
cg055291							
57	chr3	1.11E+08		0.13224	1.990394	0.048143	0.955571
cg004488							
89	chr15	60714492		-0.23401	-1.99092	0.048084	0.955571
cg135063							
54	chr2	2.17E+08		0.246872	1.989233	0.048272	0.955571
cg198363							
45	chr3	49466585		0.129453	1.991794	0.047987	0.954936
cg076307							
87	chr16	926743		-0.22527	-1.98899	0.048299	0.955571
cg084473							
27	chr3	1.98E+08		0.134106	1.989118	0.048285	0.955571
cg015933							
58	chr7	1154959		-0.32125	-1.99077	0.048101	0.955571
cg168093							
04	chr8	1.44E+08		-0.27498	-1.98963	0.048228	0.955571
cg173970							
69	chr5	1.56E+08		-0.24815	-1.9896	0.048231	0.955571
cg056781							
00	chr4	1.73E+08		0.322454	1.989534	0.048239	0.955571
cg016821							
57	chr6	1516643		0.329565	1.988389	0.048366	0.955571
cg173327							
08	chr4	1231840		0.258977	1.988703	0.048331	0.955571
cg037913							
25	chr19	1275438		0.10445	1.99042	0.04814	0.955571

cg114058							
52	chr12	52996663	KRT80;KRT7	-0.20687	-1.99131	0.048041	0.955571
cg157209							
95	chr12	29936972		-0.16526	-1.99341	0.047809	0.954674
cg045698							
04	chr5	1.49E+08		-0.20715	-1.99372	0.047774	0.954674
cg015651							
60	chr20	61512901		0.270961	1.989311	0.048263	0.955571
cg135227							
76	chr9	71785587	APBA1	0.255424	1.989047	0.048293	0.955571
cg145598							
01	chr9	1.4E+08	SNHG7	0.153919	1.992284	0.047933	0.954803
cg091802							
39	chr16	85666676		-0.1747	-1.99123	0.04805	0.955571
cg166009							
91	chr12	54389477		0.203696	1.988854	0.048314	0.955571
cg190364							
90	chr7	4804175		0.298499	1.989751	0.048214	0.955571
cg147302							
23	chr19	18232604		-0.26484	-1.98783	0.048429	0.955866
cg089772							
66	chr5	1.32E+08		0.178827	1.989438	0.048249	0.955571
cg192805							
86	chr15	68125197		0.330902	1.990629	0.048117	0.955571
cg175419							
65	chr7	1.49E+08		-0.14781	-1.99021	0.048163	0.955571
cg141455							
24	chr9	1.32E+08	LINC00963	-0.16293	-1.99167	0.048001	0.955038
cg053781							
18	chr10	50886999		0.336167	1.993359	0.047814	0.954674
cg016531							
10	chr1	1.72E+08		-0.33252	-1.98901	0.048296	0.955571
cg171494							
31	chr1	45987130		0.227562	1.990244	0.048159	0.955571
cg085337							
10	chr19	47292253		0.244564	1.989149	0.048281	0.955571
cg216375			PIP4K2B;ENSG00				
61	chr17	37074902	000260833	0.40295	1.989073	0.04829	0.955571
cg188262							
67	chr19	5978573		-0.14464	-1.99153	0.048017	0.955209
cg151517							
49	chr11	17520223		-0.19281	-1.98944	0.048249	0.955571
cg146501							
67	chr4	1.63E+08		0.25322	1.989384	0.048255	0.955571
cg145679							
17	chr10	77542314		0.317636	1.989496	0.048243	0.955571
cg164453							
99	chr10	79686822		-0.16918	-1.98939	0.048255	0.955571

cg212330			SLC34A3;RNF22				
03	chr9	1.4E+08	9orf169	0.556005	1.988567	0.048346	0.955571
cg141428			4;PTGDS;ENSG0				
36	chr19	18967276	0000264527;C9	0.287612	1.988562	0.048347	0.955571
cg008315			orf173;INPP5E;C				
60	chr19	41290997		-0.15463	-1.98883	0.048317	0.955571
cg200641							
39	chr20	41823021		-0.2258	-1.99095	0.048081	0.955571
cg198951							
97	chr17	37887061	PCGF2	-0.2239	-1.9923	0.047932	0.954803
cg062277							
63	chr18	10447084		-0.24491	-1.98826	0.048381	0.955593
cg078410							
14	chr2	79314745		-0.25374	-1.98822	0.048385	0.955593
cg006279							
98	chr13	1.13E+08		0.187457	1.989953	0.048192	0.955571
cg131510							
06	chr15	72075835	BBS4	-0.33324	-1.99359	0.047788	0.954674
cg246878							
05	chr15	55513621	PRTG;NEDD4	0.352869	1.989663	0.048224	0.955571
cg134554							
10	chr9	79631906		-0.18631	-1.98891	0.048308	0.955571
cg053587							
15	chr16	89724297	TRAPPC2L	-0.23151	-1.98794	0.048416	0.955866
cg101357							
08	chr3	48601117		0.230742	1.988904	0.048309	0.955571
cg133343							
04	chr3	23631338		-0.23554	-1.99112	0.048062	0.955571
cg068943							
34	chr4	1398599		0.275939	1.988487	0.048355	0.955571
cg096072			LRRC56;C11orf3				
76	chr11	637491	5	0.370875	1.988586	0.048344	0.955571
cg043795							
22	chr19	54290737		-0.30845	-1.98752	0.048464	0.955977
cg135739							
80	chr1	2.24E+08		-0.28686	-1.98812	0.048396	0.955687
cg153491							
39	chr11	1293211		0.248336	1.988895	0.04831	0.955571
cg037295							
53	chr16	830766		-0.24138	-1.98868	0.048334	0.955571
cg180598			FXVD3;CD22;SCN				
91	chr19	36499721	1B;CLIP3	-0.31857	-1.98844	0.04836	0.955571

cg018787			DSCAML1;TMPR				
61	chr11	1.18E+08	SS4;SCN4B	-0.24473	-1.98743	0.048474	0.955977
ch.4.1095							
82151R	chr4	1.09E+08		-0.24457	-1.99011	0.048174	0.955571
cg253192							
76	chr13	31040123		-0.22431	-1.9892	0.048275	0.955571
cg149225							
45	chr12	49225348		0.178682	1.989291	0.048266	0.955571
cg174612							
34	chr12	1.33E+08		-0.17866	-1.9909	0.048086	0.955571
cg208915							
01	chr14	36979758		0.300538	1.989167	0.048279	0.955571
cg045180							
66	chr6	1.7E+08		-0.20968	-1.98776	0.048436	0.955866
cg010740							
01	chr16	16047381	NOMO3	-0.23207	-1.98835	0.04837	0.955571

			PTP4A3;ENSG00				
cg203259			000261655;ENS				
21	chr8	1.42E+08	G00000271959	0.621093	1.98861	0.048341	0.955571
cg238099							
17	chr2	10953293		0.207293	1.989382	0.048255	0.955571
cg003241							
08	chr4	72635822		-0.24347	-1.98872	0.048329	0.955571
cg141809							
16	chr1	43390395		-0.13213	-1.98921	0.048275	0.955571

cg019156			RAB32;SAMD5;A				
09	chr6	1.47E+08	DGB;FBXO30	0.22596	1.990255	0.048158	0.955571
cg146891							
50	chr8	1.41E+08		-0.22762	-1.98982	0.048207	0.955571
cg057831							
35	chr11	78092939		0.307596	1.988582	0.048345	0.955571

cg205596			ENSG000002616				
33	chr8	1.43E+08	55;PTP4A3	0.316673	1.9879	0.048421	0.955866
cg137270							
89	chr9	1E+08		0.262133	1.986852	0.048538	0.956144

cg101319			CLDN5;UFD1L;SC				
72	chr22	19879787	ARF2;ARVCF	-0.3506	-1.98782	0.048429	0.955866
cg000592							
46	chr12	54337929		0.262249	1.988356	0.04837	0.955571
cg110521							
43	chr2	2.02E+08		0.312288	1.990541	0.048127	0.955571

cg095960						
27	chr19	54134711	-0.2598	-1.98949	0.048244	0.955571
cg081058						
44	chr3	48659240	-0.18288	-1.98786	0.048425	0.955866
cg070751						
18	chr1	32053005	-0.17204	-1.98761	0.048453	0.955961
cg201688						
49	chr3	1.89E+08	0.310479	1.988418	0.048363	0.955571
cg234136						
85	chr22	36925565	-0.15771	-1.98892	0.048307	0.955571
cg106990						
49	chr17	25957771	-0.17007	-1.98979	0.04821	0.955571
cg090819						
94	chr3	1.19E+08	0.242137	1.988465	0.048358	0.955571
cg168871						
83	chr15	80658049	-0.28122	-1.98796	0.048414	0.955866
cg044326						
17	chr1	1.55E+08	0.188581	1.988308	0.048375	0.955593
cg238862						
16	chr14	92673517 RIN3	-0.15941	-1.98884	0.048316	0.955571
cg006607						
65	chr3	69371349	-0.17623	-1.99305	0.047848	0.954674
cg022916						
19	chr5	1.42E+08	-0.20574	-1.98774	0.048439	0.955866
cg098081						
76	chr11	1.08E+08	0.196058	1.987829	0.048429	0.955866
cg259537						
13	chr10	5855675	-0.16166	-1.98762	0.048452	0.955961
cg057139						
12	chr17	15608091	-0.33969	-1.9909	0.048087	0.955571
cg078346						
82	chr2	45232641 SIX2	0.330791	1.987044	0.048516	0.955977
cg142400						
98	chr7	50518052	-0.10496	-1.98902	0.048296	0.955571
cg016787						
14	chr5	1.8E+08	-0.14736	-1.99007	0.048179	0.955571
cg061556						
97	chr11	8120396	0.163446	1.988661	0.048336	0.955571
cg181071						
05	chr3	1.25E+08	0.24063	1.988239	0.048383	0.955593
cg005317						
50	chr3	66551802	-0.24683	-1.98747	0.048469	0.955977
cg077669						
48	chr10	1.04E+08	0.282402	1.987455	0.04847	0.955977
cg010172						
41	chr14	1.07E+08	0.263272	1.987627	0.048451	0.955961
cg275630						
48	chr3	52008788	0.257209	1.98873	0.048328	0.955571
cg223257						
03	chr11	94134235	0.2618	1.987516	0.048464	0.955977

cg034548							
63	chr20	42604284	0.232815	1.988202	0.048387	0.955593	
cg199450							
92	chr10	27149349	0.113642	1.987127	0.048507	0.955977	
cg015118							
84	chr1	1.56E+08	0.199635	1.987127	0.048507	0.955977	
cg262461							
27	chr5	87437400	-0.21934	-1.98896	0.048303	0.955571	
cg155916							
16	chr1	8024678	0.26147	1.986596	0.048567	0.956226	
cg215372							
30	chr21	36043248	0.167005	1.990316	0.048152	0.955571	
cg097052							
43	chr16	30786672 ITGAL	0.388034	1.987754	0.048437	0.955866	
cg160339							
21	chr3	1.23E+08	-0.29493	-1.98915	0.048281	0.955571	
cg185566							
76	chr12	22095111	0.367371	1.986765	0.048548	0.956226	
cg124532							
28	chr6	41338345 OARD1	-0.21001	-1.9884	0.048365	0.955571	
cg106255							
78	chr3	49893964	0.163279	1.987289	0.048489	0.955977	
cg126479							
70	chr6	3234297	0.242253	1.988161	0.048392	0.955639	
cg156964							
07	chr1	16727735 RNU1-1	-0.17672	-1.98865	0.048336	0.955571	
cg129877							
99	chr2	1.07E+08	0.188445	1.986829	0.04854	0.956149	
cg261782							
17	chr2	2.34E+08	-0.18506	-1.98823	0.048384	0.955593	
cg041698							
30	chr2	88471460	-0.21103	-1.9871	0.04851	0.955977	
cg097858							
46	chr13	96454018	-0.28631	-1.98869	0.048332	0.955571	
cg166899							
42	chr13	29394960	0.233352	1.988355	0.04837	0.955571	
cg083078							
16	chr14	1.01E+08	0.245984	1.988714	0.04833	0.955571	
cg090798							
82	chr16	10837135	0.613096	1.986353	0.048594	0.956226	
cg122834							
60	chr15	59279556	-0.34511	-1.98671	0.048554	0.956226	
ch.2.3298							
349F	chr2	1.62E+08	-0.36842	-1.98853	0.048351	0.955571	
cg082924							
67	chr5	1.41E+08	0.24293	1.987146	0.048505	0.955977	
cg057858							
05	chr1	2.25E+08	-0.31913	-1.98805	0.048404	0.955803	
cg100012							
19	chr11	1.12E+08	0.466335	1.986109	0.048621	0.956226	

cg031542							
26	chr11	55563401		-0.35943	-1.98724	0.048494	0.955977
cg238508							
99	chr11	40315337		0.195353	1.989467	0.048246	0.955571
cg032796							
33	chr4	1.47E+08		0.338932	1.989325	0.048262	0.955571
cg268870							
84	chr16	30615018		-0.16128	-1.98837	0.048368	0.955571

			JAK3;MYO9B;US HBP1;FCHO1;NR 2F6;PLVAP;NWD				
cg102563							
36	chr19	16999953	1;COLGALT1	0.237744	1.989632	0.048228	0.955571
cg234274							
06	chr2	1.08E+08		-0.3153	-1.98589	0.048645	0.956226
cg010930							
65	chr19	49372101	CARD8	-0.15595	-1.98838	0.048367	0.955571
cg082617							
16	chr14	1E+08		0.206763	1.987224	0.048496	0.955977
cg004203							
61	chr16	67449937		0.188918	1.98887	0.048312	0.955571
cg255260							
39	chr6	1.08E+08		0.367553	1.986264	0.048604	0.956226
cg022400							
13	chr3	48680392		0.237566	1.985089	0.048736	0.956226
cg098486							
59	chr4	1.58E+08		0.233373	1.986584	0.048568	0.956226
cg083478							
52	chr6	32862454		-0.13313	-1.98724	0.048495	0.955977
cg061466							
07	chr11	71167505		-0.17858	-1.98705	0.048516	0.955977
cg261351							
34	chr15	99500715		-0.21015	-1.98795	0.048415	0.955866
cg001689							
42	chr10	35894430		-0.2465	-1.98591	0.048643	0.956226
cg193259							
85	chr2	1.77E+08		0.201722	1.985474	0.048692	0.956226

			TRAK1;ZBTB47;F				
cg094052							
27	chr3	42865232	AM198A;ANO10	-0.49092	-1.987	0.048522	0.955977
cg051400							
69	chr1	13910667		-0.1803	-1.98747	0.048468	0.955977
cg187870							
12	chr11	15230314		0.212155	1.98952	0.04824	0.955571
cg139478							
30	chr1	1551964		0.196849	1.988615	0.048341	0.955571



cg251391							
10	chr13	1.14E+08		0.220625	1.987225	0.048496	0.955977
cg011685							
35	chr7	1E+08		-0.21116	-1.98734	0.048483	0.955977
cg139191							
74	chr9	1.13E+08		0.271645	1.98993	0.048194	0.955571
cg147935			NADK;ISG15;SDF				
96	chr1	1290092	4;GLTPD1	-0.25686	-1.98932	0.048263	0.955571
cg029696							
88	chr6	1.5E+08		-0.28979	-1.98878	0.048322	0.955571
cg096028							
03	chr10	1.32E+08		0.453488	1.988526	0.048351	0.955571
cg266235							
50	chr1	1.12E+08		-0.21765	-1.98768	0.048445	0.955952
cg139744							
87	chr11	1.33E+08		-0.2349	-1.9889	0.048309	0.955571
cg075020							
66	chr1	1.1E+08		-0.14291	-1.98607	0.048625	0.956226
cg233095							
12	chr14	55920683	LGALS3	-0.28538	-1.98751	0.048464	0.955977
cg254997			GMPR;STMND1;				
46	chr6	16346054	RBM24	-0.35586	-1.98779	0.048433	0.955866
cg103899							
14	chr2	2.34E+08	INPP5D	0.270902	1.985238	0.048719	0.956226
cg172158							
31	chr13	37004853		0.282707	1.985938	0.04864	0.956226
cg175541							
82	chr11	75896332	MYO7A	-0.25558	-1.98649	0.048578	0.956226
cg165295							
63	chr19	49560284		-0.22252	-1.98537	0.048704	0.956226
cg186325							
27	chr7	6120830		-0.23956	-1.98634	0.048595	0.956226
cg022387							
60	chr1	32236337		-0.21549	-1.98724	0.048494	0.955977
cg228915							
39	chr10	1.34E+08		-0.20921	-1.9858	0.048656	0.956226
cg271484							
52	chr19	44562567		-0.25511	-1.9846	0.04879	0.956226
cg165915							
02	chr13	76210838		0.188828	1.986261	0.048604	0.956226
cg008595							
44	chr13	20735242		-0.18603	-1.9863	0.0486	0.956226
cg070255			CASP3;PDLIM3;I				
05	chr4	1.86E+08	RF2	-0.29363	-1.98478	0.04877	0.956226
cg090253							
93	chr1	18438784		-0.31763	-1.98594	0.04864	0.956226

cg108225							
93	chr5	65440099		0.129507	1.985813	0.048654	0.956226
cg033369							
84	chr4	1022647		0.145926	1.990651	0.048114	0.955571
cg158422							
76	chr11	92702648		0.203919	1.985271	0.048715	0.956226
cg118986							
88	chr4	1.07E+08		-0.31604	-1.98689	0.048534	0.956104
			UNC93B1;PITPN				
			M1;FAM86C2P;				
			ALDH3B1;AIP;AL				
			DH3B2;GSTP1;R				
			AD9A;ENSG0000				
			0255306;KDM2A				
cg216606							
23	chr11	67373625	;CDK2AP2	-0.21343	-1.99071	0.048107	0.955571
cg028192							
31	chr3	33318859		-0.14636	-1.98651	0.048576	0.956226
cg017754							
68	chr22	49141360		-0.22506	-1.98614	0.048618	0.956226
cg248836							
01	chr2	2.4E+08		0.237266	1.987075	0.048513	0.955977
cg268200							
55	chr2	1.32E+08		0.247283	1.98752	0.048463	0.955977
cg103911			ENSG0000002351				
02	chr1	3206316	31	-0.32648	-1.98381	0.04888	0.956226
cg098970							
02	chr8	41553955		-0.37799	-1.98547	0.048693	0.956226
cg038080							
01	chr13	1.13E+08		0.416404	1.984261	0.048829	0.956226
cg146976							
42	chr5	1.37E+08		-0.36001	-1.98493	0.048753	0.956226
cg017639							
13	chr12	57623930		0.170213	1.984742	0.048774	0.956226
cg142261							
31	chr12	77157699		-0.16041	-1.98619	0.048612	0.956226
cg117213							
61	chr1	1.45E+08		0.284144	1.986531	0.048574	0.956226
cg019809							
58	chr6	28541036	ZSCAN23	-0.27303	-1.98821	0.048386	0.955593
cg172708							
08	chr1	1.67E+08		-0.1995	-1.99292	0.047863	0.954675
cg142451							
02	chr14	1.01E+08		-0.18419	-1.98732	0.048485	0.955977
cg200307							
96	chr17	72356254		-0.25499	-1.98793	0.048417	0.955866

cg175131							
82	chr1	1.54E+08		0.195613	1.986901	0.048532	0.956104
cg247661			ENSG000002693				
04	chr19	16309072	99	-0.20083	-1.9856	0.048678	0.956226
cg136531							
53	chr9	1.31E+08		-0.20678	-1.98469	0.04878	0.956226
cg060674							
25	chr4	1.41E+08		0.271438	1.985506	0.048689	0.956226
cg061305							
62	chr16	8942906	RPL21P119	0.240482	1.984981	0.048748	0.956226
			CACNG6;ZNF415				
cg066202			;ZNF818P;CACN				
00	chr19	54190235	G8;ZNF331	-0.31842	-1.98774	0.048438	0.955866
			ZIK1;ZNF549;ZN				
cg056612			F671;ZNF154;PE				
82	chr19	58220370	G3	0.340237	1.985789	0.048657	0.956226
cg230552							
76	chr19	8564611		0.236457	1.989556	0.048236	0.955571
			ENSG000002703				
			46;ENSG000002				
cg267252			61015;HTATSF1P				
01	chr6	3023598	2	-0.49413	-1.98473	0.048776	0.956226
cg074243							
42	chr16	89008460		0.227747	1.985662	0.048671	0.956226
cg264698							
95	chr2	2.4E+08	TRAF3IP1	0.392315	1.985688	0.048668	0.956226
cg259126							
11	chr20	54968626		0.374584	1.984811	0.048767	0.956226
cg234641							
83	chr6	27256406		0.277869	1.986987	0.048523	0.955977
cg199580							
24	chr6	31766138		-0.26106	-1.98434	0.04882	0.956226
cg014532							
21	chr6	31865268		-0.16143	-1.98483	0.048764	0.956226
cg256654							
29	chr6	35749808	MAPK13	0.244329	1.986701	0.048555	0.956226
cg214294							
08	chr18	47825070		0.254363	1.985846	0.048651	0.956226
cg231778							
83	chr6	32150577		0.224824	1.98671	0.048554	0.956226
cg111390							
95	chr12	9395304		-0.24432	-1.98642	0.048586	0.956226
cg007843							
57	chr7	6413877		-0.17166	-1.98861	0.048342	0.955571

cg253774							
83	chr5	73978496		-0.26638	-1.98525	0.048718	0.956226
cg019538							
89	chr6	52442149		-0.13016	-1.98543	0.048697	0.956226
cg059080							
79	chr5	64065005		0.201801	1.985997	0.048634	0.956226
cg171990							
10	chr7	5390781		-0.25045	-1.98513	0.048731	0.956226
cg125992							
75	chr1	3011274		-0.22528	-1.98511	0.048734	0.956226
cg042959							
28	chr11	3829466		-0.16413	-1.98733	0.048485	0.955977
cg057986							
27	chr11	67291531		-0.1661	-1.98517	0.048727	0.956226
cg117004							
29	chr2	1.13E+08		0.201153	1.985092	0.048735	0.956226
cg143854							
38	chr6	15663468		0.29639	1.986588	0.048567	0.956226
cg050172							
98	chr5	56244748		-0.25892	-1.98487	0.04876	0.956226
cg256282							
86	chr3	1.11E+08		0.236964	1.98504	0.048741	0.956226
cg021691							
25	chr17	26684721		-0.13435	-1.9844	0.048813	0.956226

			ZNF844;ZNF440;				
cg119150			ZNF627;FBXW9;				
01	chr19	12175268	CCDC151;ZNF20	0.300832	1.985236	0.048719	0.956226
cg075935							
82	chr1	2.1E+08		0.240448	1.986405	0.048588	0.956226
cg083284							
83	chr16	31119196		-0.39432	-1.98428	0.048826	0.956226
cg038030							
71	chr19	22034523		0.319382	1.984043	0.048853	0.956226
cg208472							
92	chr1	1.56E+08		0.257298	1.984008	0.048857	0.956226
cg230308							
53	chr13	31620347		-0.31179	-1.98408	0.048849	0.956226

cg124159			TRIM5;TRIM22;A				
17	chr11	6047917	PBB1	-0.32108	-1.98477	0.048772	0.956226
cg027298							
22	chr11	56510971		-0.29671	-1.98527	0.048716	0.956226
cg082365							
37	chr8	1.04E+08		-0.35558	-1.98447	0.048805	0.956226
cg184833							
22	chr2	97523826		-0.13952	-1.98493	0.048754	0.956226

cg087959							
64	chr8	72468987		0.42937	1.983741	0.048887	0.956226
cg198649							
72	chr10	21250957 NEBL		-0.41531	-1.98632	0.048597	0.956226
cg003504							
41	chr16	57220262		-0.16339	-1.98332	0.048935	0.956226
cg221551							
11	chr19	54705168		-0.14273	-1.98416	0.04884	0.956226
cg058183							
94	chr13	31041124		0.269661	1.984685	0.048781	0.956226
cg033905							
69	chr2	54013802		-0.25115	-1.9861	0.048623	0.956226
cg099327							
58	chr12	58022542 DTX3		0.286379	1.982587	0.049017	0.956226
cg070566							
06	chr19	52035287		0.19724	1.984663	0.048783	0.956226
		FAM83H- AS1;LY6H;MAPK 15;RHPN1;ZNF6					
cg231804							
89	chr8	1.44E+08 23;TOP1MT		0.282862	1.985609	0.048677	0.956226
cg074087							
40	chr7	44645306		0.267949	1.984065	0.048851	0.956226
cg084786							
85	chr2	10471301 C2orf50		-0.2607	-1.98573	0.048664	0.956226
cg026391							
08	chr2	2.43E+08 KIF1A;PPP1R7		-0.29602	-1.98491	0.048756	0.956226
cg108156							
57	chr19	289902 ARID3A;HMHA1		-0.49915	-1.98416	0.04884	0.956226
cg221391							
66	chr5	1.24E+08		0.220869	1.984695	0.04878	0.956226
cg008430							
19	chr19	48785784		-0.23199	-1.98466	0.048784	0.956226
cg142746							
21	chr2	8825107		-0.22451	-1.98544	0.048696	0.956226
cg135476							
44	chr1	2.3E+08		0.304483	1.982502	0.049027	0.956246
cg137432							
31	chr10	94958683		-0.28601	-1.98504	0.048741	0.956226
cg023208							
62	chr17	75370284		0.3161	1.984648	0.048785	0.956226
cg076949							
85	chr2	1E+08		-0.18065	-1.98494	0.048752	0.956226
cg198276							
50	chr3	42744301 FAM198A		-0.17704	-1.98716	0.048503	0.955977
cg269203							
27	chr19	41035836		-0.20413	-1.98509	0.048736	0.956226
cg235740							
61	chr2	66418555		-0.2698	-1.984	0.048858	0.956226

cg000016							
87	chr16	89761661		-0.22356	-1.98544	0.048696	0.956226
cg158635							
98	chr10	76708663		0.296492	1.985757	0.048661	0.956226
cg043818							
65	chr16	15219673		-0.90667	-1.98234	0.049045	0.956246

			RFFL;SLFN12L;EN SG00000267554 ;ENSG00000255				
cg172768							
53	chr17	32964596	987	0.359219	1.984913	0.048755	0.956226
cg028595							
11	chr7	1609828		-0.17988	-1.98309	0.04896	0.956226
cg190521							
93	chr12	1.14E+08		-0.3107	-1.98409	0.048848	0.956226
cg085790							
11	chr20	61143483		-0.20745	-1.98398	0.04886	0.956226
cg071726							
76	chr8	1.45E+08	MAF1	-0.17887	-1.98392	0.048867	0.956226
cg052282							
44	chr10	1102351		-0.12967	-1.98429	0.048825	0.956226
cg029410							
08	chr1	20810527		0.195476	1.984308	0.048823	0.956226
cg050985							
89	chr10	30358037	ZNF438;SVIL	0.26152	1.984645	0.048785	0.956226

			BUB1B;CASC5;SR P14- AS1;NUSAP1;TYR O3;RAD51;GCHF				
cg217355							
16	chr15	41150573	R	0.316588	1.98574	0.048662	0.956226
cg100444							
31	chr12	7114706		0.267389	1.985856	0.048649	0.956226

			TTC34;ENSG000				
cg017934							
49	chr1	3663339	00235131	-0.19273	-1.98378	0.048882	0.956226
cg113751							
12	chr12	11883006	APOLD1	0.279339	1.988509	0.048353	0.955571
cg053361							
15	chr20	983104		0.384248	1.985166	0.048727	0.956226
cg195585							
03	chr7	30068084		-0.15812	-1.98311	0.048959	0.956226
cg064026							
02	chr16	87417326		0.141848	1.98276	0.048998	0.956226
cg246950							
71	chr7	2419958		-0.41893	-1.9845	0.048801	0.956226
cg273102							
55	chr2	1.75E+08	ATP5G3	0.230926	1.983757	0.048885	0.956226

cg184882							
04	chr19	21658645		0.302357	1.983781	0.048883	0.956226
cg143723							
24	chr20	30347798		-0.61841	-1.98282	0.048991	0.956226
cg207815							
60	chr1	2.15E+08		-0.29824	-1.98372	0.04889	0.956226
cg093791							
46	chr3	1.56E+08	SLC33A1;TIPARP	-0.34302	-1.98456	0.048795	0.956226
cg088368							
25	chr6	82726757		-0.30734	-1.98302	0.048969	0.956226
cg165827							
79	chr14	29237202		0.204071	1.982755	0.048998	0.956226
cg247134							
90	chr3	17783469		-0.31459	-1.98266	0.049009	0.956226
cg117347							
10	chr1	1.58E+08		0.181459	1.984133	0.048843	0.956226
cg001569							
64	chr12	94853892		-0.13029	-1.98395	0.048863	0.956226
cg167943							
90	chr17	18148240		-0.20252	-1.98443	0.04881	0.956226
cg234564			TMEM37;STEAP				
09	chr2	1.2E+08	3	0.306496	1.983517	0.048912	0.956226
cg087721							
11	chr2	2.4E+08		0.287208	1.983525	0.048911	0.956226
cg160431							
90	chr4	78741143		0.197632	1.983102	0.048959	0.956226
cg041564							
64	chr16	56224504		0.261221	1.984131	0.048843	0.956226
cg025756							
91	chr10	1.33E+08		0.185364	1.98479	0.048769	0.956226
cg219066							
02	chr3	1.96E+08	MUC20	0.191386	1.982994	0.048971	0.956226
cg178751							
35	chr10	1.24E+08		-0.19587	-1.98545	0.048695	0.956226
cg211611							
26	chr9	1.14E+08	SVEP1	0.336589	1.986083	0.048624	0.956226
cg012955							
39	chr15	63100998		-0.26764	-1.98325	0.048943	0.956226
cg084895							
92	chr19	21688397		0.19036	1.984793	0.048769	0.956226
cg108053							
52	chr2	56411583		0.30412	1.983751	0.048886	0.956226
cg022715							
60	chr2	55450737		0.245794	1.984439	0.048809	0.956226
cg158552							
51	chr6	1.7E+08	THBS2	-0.36022	-1.98489	0.048758	0.956226
cg138295							
97	chr17	42264871		0.161718	1.982965	0.048974	0.956226
cg071388							
54	chr18	77678609		0.379455	1.982279	0.049052	0.956246

cg057267							
01	chr1	2.48E+08		-0.22146	-1.98296	0.048975	0.956226
cg175502							
68	chr3	1.05E+08		0.162312	1.983098	0.04896	0.956226
cg019342							
96	chr15	29429225		-0.22464	-1.98393	0.048866	0.956226
cg099258							
74	chr16	31091428		-0.30564	-1.98331	0.048936	0.956226
cg035457							
19	chr1	17751272		-0.20946	-1.98261	0.049015	0.956226
cg016751							
53	chr14	74083869		-0.31268	-1.98283	0.048989	0.956226
cg018621							
80	chr7	1792902		-0.25839	-1.98306	0.048964	0.956226
cg271657							
94	chr14	74179674		0.293297	1.987003	0.048521	0.955977
cg244490							
91	chr1	1.68E+08		0.238969	1.981745	0.049112	0.956246
cg197940							
82	chr19	51480730 ZNF649		-0.19938	-1.98141	0.04915	0.956246
cg094992							
56	chr19	52263842 ZNF610		-0.23224	-1.9819	0.049095	0.956246
cg025165							
83	chr8	38243869		-0.15437	-1.98516	0.048728	0.956226
cg070015							
45	chr10	50747328		-0.2577	-1.98377	0.048884	0.956226
cg072136							
16	chr5	60725347		0.249929	1.987053	0.048515	0.955977
cg044309							
11	chr1	36914349 C1orf216;CSF3R		-0.27	-1.98514	0.04873	0.956226
cg258943							
74	chr17	39938313		0.219133	1.981291	0.049164	0.956246
cg192626							
37	chr1	2.41E+08 CHRM3;GREM2		0.392223	1.982584	0.049018	0.956226
cg020353							
91	chr3	1.97E+08		-0.27765	-1.98529	0.048713	0.956226
cg041405							
53	chr1	41962232		0.189459	1.983649	0.048897	0.956226
cg020370							
13	chr18	58039530		0.243489	1.984933	0.048753	0.956226
cg164612							
51	chr4	1.05E+08		-0.27876	-1.98426	0.048829	0.956226
cg093572							
68	chr20	43379437		0.281863	1.981341	0.049158	0.956246
cg148368							
39	chr17	42706084		0.241067	1.986279	0.048602	0.956226
cg110941							
22	chr20	35579338		0.157995	1.985343	0.048707	0.956226



		ENSG000002712					
		04;LINC-					
		PINT;ENSG00000					
cg254071							
98	chr7	1.3E+08	233559	0.149631	1.983759	0.048885	0.956226
cg002965							
65	chr1	42506694		-0.2912	-1.98237	0.049042	0.956246
cg110229							
28	chr2	42394068		0.416647	1.983199	0.048948	0.956226
cg150225							
98	chr15	89560878		-0.23126	-1.98322	0.048945	0.956226
cg134489							
06	chr2	2.18E+08		-0.2449	-1.98387	0.048873	0.956226
cg020087							
27	chr14	93799574		-0.15399	-1.98221	0.049059	0.956246
cg195329							
58	chr5	1.51E+08		0.23882	1.983703	0.048891	0.956226
cg160235							
51	chr5	16616834		0.114695	1.982781	0.048995	0.956226
cg226953							
72	chr1	94354654		-0.34957	-1.98372	0.04889	0.956226

		TCP11L1;CD59;E					
		NSG0000018456					
		6;DEPDC7;QSER					
		1;HIPK3;NAT10;					
		CAT;PIGCP1;ABT					
cg053447							
47	chr11	33754357	B2;KIAA1549L	0.307062	1.987424	0.048474	0.955977
cg238782							
02	chr11	1.19E+08		0.196295	1.982322	0.049047	0.956246
cg023867							
23	chr1	1203167		-0.1799	-1.98356	0.048908	0.956226
cg020222							
24	chr17	39967428	NT5C3B	0.185314	1.981946	0.04909	0.956246

		OR2A1-					
		AS1;ARHGEF34P;					
		OR2A7					
cg143581							
64	chr7	1.44E+08		-0.25974	-1.9844	0.048813	0.956226
cg145932							
90	chr7	50529359		0.304535	1.983055	0.048964	0.956226
cg196970							
42	chr15	92080308		-0.24521	-1.98488	0.048759	0.956226
cg057671							
59	chr7	27231204		0.20523	1.983609	0.048902	0.956226

cg107222							
17	chr3	14347415	FBLN2;ZFYVE20	0.180097	1.983883	0.048871	0.956226
cg178925							
56	chr19	12267464		0.25849	1.983452	0.04892	0.956226
cg084391							
22	chr1	2.24E+08	CAPN2	-0.3285	-1.9829	0.048982	0.956226
cg007479							
44	chr16	54972845		0.379266	1.982629	0.049012	0.956226
cg241056							
34	chr3	1.22E+08		-0.19839	-1.98388	0.048872	0.956226
cg137806			FBN1;FGF7;CEP1				
14	chr15	49607868	52	0.298948	1.983184	0.04895	0.956226
cg125122							
71	chr3	1.79E+08		0.250697	1.984962	0.04875	0.956226
cg243220							
61	chr8	1.41E+08		-0.19148	-1.98391	0.048868	0.956226
cg038326							
97	chr15	38228220		0.353659	1.982591	0.049017	0.956226
cg203272							
58	chr1	86174240		-0.14905	-1.98292	0.04898	0.956226
cg008831							
50	chr4	1.78E+08		-0.11591	-1.9834	0.048926	0.956226
cg264955							
26	chr16	49407968		-0.20777	-1.98209	0.049073	0.956246
cg125553							
06	chr19	58459142		0.141722	1.982825	0.04899	0.956226
cg113679							
39	chr10	1.13E+08		-0.20721	-1.98205	0.049078	0.956246
cg091012							
58	chr6	46713411		-0.32124	-1.98171	0.049116	0.956246
cg098641							
85	chr6	1.01E+08		0.323888	1.98406	0.048851	0.956226
cg148153							
01	chr1	61516830		0.188832	1.983688	0.048893	0.956226
cg269242							
47	chr1	2.41E+08		-0.26525	-1.9837	0.048891	0.956226
cg254859							
56	chr10	81146099		0.30463	1.983012	0.048969	0.956226
cg264736							
51	chr10	50822391		0.162438	1.984196	0.048836	0.956226
cg067970							
09	chr6	36842476		-0.17851	-1.98437	0.048816	0.956226
cg000050							
72	chr16	89371982		-0.20439	-1.98325	0.048942	0.956226
cg096290							
19	chr15	81616489		0.141582	1.983808	0.04888	0.956226
cg220592							
11	chr8	735312		-0.24816	-1.98348	0.048917	0.956226

cg16640633	chr6	83073819		-0.24958	-1.9831	0.048959	0.956226
cg01157404	chr1	2.37E+08		0.326672	1.982943	0.048977	0.956226
cg07476472	chr2	709025		0.317071	1.982953	0.048976	0.956226
cg26601039	chr13	36788722		-0.15216	-1.98203	0.04908	0.956246
cg10110027	chr14	96339757	GSKIP;SYNE3;BD KRB1;BDKRB2	-0.21118	-1.98174	0.049112	0.956246
cg14408997	chr9	34050096		0.368043	1.980232	0.049284	0.956246
cg10335067	chr14	64065540		0.240016	1.983516	0.048912	0.956226
cg27211899	chr11	1.19E+08		-0.22243	-1.98073	0.049227	0.956246
cg20481340	chr8	1.42E+08		-0.17729	-1.98376	0.048884	0.956226
cg25699417	chr8	1.41E+08		0.208127	1.983611	0.048902	0.956226
cg22280820	chr11	70958936	CTTN	0.186432	1.98266	0.049009	0.956226
cg07982082	chr11	65414261	FAU;EHD1;DPP3	0.420207	1.980745	0.049225	0.956246
cg06954759	chr1	55271295		-0.15159	-1.9827	0.049005	0.956226
cg19399514	chr3	16545582		-0.25118	-1.98714	0.048506	0.955977
cg19754658	chr12	1.17E+08	ENSG00000258337	-0.24949	-1.9821	0.049073	0.956246
cg08458912	chr1	36644235	TEKT2	0.165646	1.982103	0.049072	0.956246
cg15465743	chr11	1413145		0.558555	1.980693	0.049231	0.956246
cg03803818	chr12	1.11E+08		0.257132	1.98283	0.04899	0.956226
cg17430436	chr19	44203013		0.271834	1.983261	0.048941	0.956226
cg06558502	chr19	57610699	ZNF549;PEG3;ZNF667;ZNF583;ZNF134;ZNF470;ZNF667-AS1;ZIK1;ZNF542;ZNF418;ZNF582	0.29896	1.980588	0.049243	0.956246

cg217838							
47	chr1	1.68E+08		0.261196	1.983058	0.048964	0.956226
cg259183							
03	chr11	1.07E+08		-0.17059	-1.98245	0.049032	0.956246
cg217300							
67	chr1	90460918		-0.18104	-1.98163	0.049126	0.956246
cg083426							
91	chr10	94608593		0.123773	1.982168	0.049064	0.956246
cg138779							
16	chr2	2.4E+08 TWIST2		0.178671	1.981864	0.049099	0.956246
cg061602							
21	chr16	89734445		-0.17648	-1.98097	0.0492	0.956246
cg081696							
59	chr1	1850932		-0.1798	-1.98252	0.049025	0.956246
cg199884							
26	chr10	1.3E+08		0.284544	1.981454	0.049145	0.956246
cg147507							
51	chr12	1.11E+08 ADAM1B		0.15506	1.985457	0.048694	0.956226
cg109185							
80	chr5	72922281		0.234503	1.980764	0.049223	0.956246
cg148558							
41	chr4	76945459		0.362709	1.98164	0.049124	0.956246
cg174658							
27	chr4	1.49E+08		0.258544	1.981276	0.049165	0.956246
cg035542							
64	chr19	46234347		-0.11527	-1.98135	0.049157	0.956246

			SLC50A1;RAB25; DAP3;FLAD1;UB E2Q1;ENSG0000				
cg262317							
94	chr1	1.55E+08 0273002		0.180141	1.981303	0.049162	0.956246
cg028585							
91	chr17	36349908		-0.18623	-1.98329	0.048938	0.956226
cg267645							
55	chr3	1.41E+08		-0.22795	-1.98318	0.048951	0.956226
cg138527							
84	chr9	1.01E+08 TRIM14		-0.29226	-1.98212	0.04907	0.956246
cg247597							
95	chr8	1.14E+08		0.323116	1.982528	0.049024	0.956246
cg200588							
72	chr4	1.09E+08		-0.27225	-1.98096	0.049201	0.956246
cg160886							
92	chr2	1.7E+08		0.112892	1.983203	0.048948	0.956226
cg213100							
17	chr19	4029144		-0.25735	-1.98152	0.049138	0.956246
cg029026							
37	chr1	37773903 GRIK3		0.322458	1.981606	0.049128	0.956246

cg151265							
44	chr2	1.72E+08	GAD1	0.610344	1.980804	0.049219	0.956246
cg172125							
11	chr3	1.26E+08		0.173837	1.981184	0.049176	0.956246
cg198030							
43	chr1	1.68E+08		0.151135	1.984798	0.048768	0.956226
cg141698							
01	chr1	1.17E+08		-0.17289	-1.98088	0.04921	0.956246
cg011222							
28	chr4	1.57E+08		0.312438	1.982819	0.048991	0.956226
cg152473							
72	chr17	26684730		0.158177	1.980355	0.04927	0.956246

cg191094			ENSG000002722				
57	chr6	30460484	21;MDC1	-0.35493	-1.98286	0.048986	0.956226
cg244114							
80	chr19	13986492		-0.19781	-1.98257	0.049019	0.956226
cg013821							
10	chr18	4454189		0.370424	1.981934	0.049091	0.956246
cg081163							
68	chr3	1.29E+08		-0.16414	-1.98065	0.049236	0.956246
cg020459							
81	chr21	45882643		-0.21009	-1.97983	0.049329	0.956246
cg065372							
44	chr5	32444803		-0.16311	-1.98139	0.049153	0.956246
cg035371							
63	chr19	814520		0.311706	1.980201	0.049287	0.956246
cg159716							
29	chr3	1.4E+08		-0.23102	-1.98234	0.049045	0.956246
cg154632							
84	chr11	18477534		0.579936	1.98021	0.049286	0.956246
cg122538							
19	chr18	11689062		-0.16327	-1.9801	0.049298	0.956246
cg031138							
67	chr11	1.3E+08		0.296798	1.984413	0.048811	0.956226
cg222345							
29	chr1	3616498		-0.23536	-1.98048	0.049255	0.956246
cg139136							
66	chr7	1198122		0.308488	1.981284	0.049164	0.956246
cg253391							
12	chr17	56769760		0.245504	1.98094	0.049203	0.956246

			HN1L;PDPK1;IFT				
			140;CCDC78;BAI				
			AP3;HS3ST6;HA				
cg025802							
09	chr16	1630832	GH	0.333553	1.980866	0.049212	0.956246
cg208768							
52	chr7	1.3E+08		0.29578	1.981492	0.049141	0.956246

cg002531						
85	chr1	2.48E+08	-0.20993	-1.98348	0.048916	0.956226
cg065010						
70	chr1	85331899	0.261611	1.983197	0.048948	0.956226
cg032066						
68	chr4	99459756	-0.19403	-1.98146	0.049145	0.956246
cg222080						
22	chr12	14553107	-0.37846	-1.981	0.049196	0.956246
cg022365						
54	chr2	2672718	-0.21653	-1.98301	0.048969	0.956226
cg053087						
44	chr2	1.31E+08	0.319857	1.981714	0.049116	0.956246
cg107543						
27	chr3	25215914	-0.25027	-1.98151	0.049139	0.956246
cg084960						
30	chr16	74331461	0.277307	1.980246	0.049282	0.956246
cg171452						
81	chr11	62420267	0.191496	1.981083	0.049187	0.956246
cg037775						
75	chr11	62413296	-0.23477	-1.97971	0.049343	0.956246
cg124261						
46	chr4	1.41E+08	0.29456	1.980918	0.049206	0.956246
cg014698						
87	chr2	1.75E+08	0.286727	1.982634	0.049012	0.956226
cg118842						
43	chr9	1.38E+08	-0.27884	-1.98063	0.049238	0.956246
cg084585						
09	chr5	26237881	-0.2783	-1.9804	0.049265	0.956246
cg017884						
44	chr3	1.19E+08	-0.26191	-1.98134	0.049158	0.956246
cg182717						
89	chr7	4832112	0.388368	1.980114	0.049297	0.956246
cg140716						
12	chr9	1.12E+08	-0.25746	-1.98108	0.049188	0.956246
cg148709						
48	chr5	96421037	-0.21048	-1.9816	0.049129	0.956246
cg118935						
52	chr6	1.68E+08	-0.25543	-1.98155	0.049134	0.956246
cg156043						
57	chr1	1.6E+08	-0.19	-1.98128	0.049164	0.956246
cg216976						
67	chr2	1.21E+08	-0.20995	-1.9826	0.049016	0.956226
cg137585						
43	chr13	79169714	0.231248	1.981431	0.049148	0.956246
cg166892						
11	chr14	1.01E+08	-0.33929	-1.97992	0.049319	0.956246
cg273313						
16	chr1	34175343	-0.23813	-1.98152	0.049138	0.956246
cg188096						
00	chr6	1.6E+08	0.251652	1.98156	0.049133	0.956246

cg26660312	chr7	5271480		0.314585	1.981686	0.049119	0.956246
cg00030501	chr1	2.23E+08	ENSG00000272645	0.301827	1.981527	0.049137	0.956246
cg01664108	chr5	1005570		-0.13477	-1.98116	0.049179	0.956246
cg00065302	chr21	30366250		0.271633	1.981322	0.04916	0.956246
cg16911759	chr4	1.52E+08		-0.24113	-1.97995	0.049315	0.956246
cg05878073	chr14	74766220		-0.26172	-1.98072	0.049228	0.956246
cg03827772	chr11	70912450		0.249693	1.979579	0.049358	0.956246
cg00751100	chr16	88787639		0.285926	1.981226	0.049171	0.956246
cg21144161	chr5	423903		-0.35979	-1.98109	0.049186	0.956246
cg06944123	chr20	5990620		0.333517	1.981996	0.049084	0.956246
cg14945473	chr15	59063195		0.293328	1.983242	0.048943	0.956226
cg19617948	chr20	30135124		0.164972	1.980243	0.049282	0.956246
cg14526297	chr6	1.46E+08		0.236417	1.981536	0.049136	0.956246
cg14637787	chr3	1.46E+08		-0.2702	-1.98133	0.04916	0.956246
cg03668835	chr3	17784171		-0.17253	-1.9794	0.049378	0.956246
cg19989222	chr7	98741665		-0.18451	-1.97924	0.049396	0.956259
cg05942963	chr14	71787552	ENSG00000259146	-0.17035	-1.98064	0.049238	0.956246
cg25658464	chr5	1.51E+08		-0.24446	-1.98049	0.049254	0.956246
cg25619106	chr3	52321767		-0.14554	-1.97998	0.049312	0.956246
cg26094990	chr10	1.35E+08		-0.19397	-1.98052	0.049251	0.956246
cg09516200	chr17	78735324	RNF213;NPLOC4 ;TMEM105;LINC00482	-0.36951	-1.98066	0.049235	0.956246
cg11103390	chr10	11784920	ECHDC3	0.838572	1.979331	0.049386	0.956246
cg01764020	chr13	38444087		0.241582	1.979092	0.049413	0.956343

cg158272							
85	chr5	31408578		0.41644	1.979855	0.049326	0.956246
cg083793							
80	chr8	95122056		0.232925	1.979656	0.049349	0.956246
cg045012							
17	chr7	1583129	ZFAND2A	-0.17158	-1.97953	0.049364	0.956246
cg003533							
53	chr7	1.57E+08		-0.26026	-1.98047	0.049256	0.956246
cg151637							
80	chr12	1.33E+08		0.209527	1.979327	0.049386	0.956246
cg204230							
64	chr5	1.08E+08		-0.34689	-1.97954	0.049362	0.956246
cg018741							
83	chr8	1.21E+08	SNTB1	-0.32736	-1.97839	0.049493	0.956343
cg081517							
50	chr2	27718289		0.241701	1.979687	0.049345	0.956246
cg273252							
15	chr22	38517556		-0.16799	-1.97901	0.049422	0.956343
cg041108							
68	chr10	1.34E+08		-0.15971	-1.98042	0.049262	0.956246
cg221731							
41	chr19	290595		-0.27022	-1.9814	0.049151	0.956246
cg138136							
49	chr17	31317449		-0.19548	-1.98067	0.049234	0.956246
cg212527							
25	chr9	37800822		-0.19106	-1.97835	0.049497	0.956343
cg209966							
45	chr13	21573249		-0.26326	-1.97977	0.049336	0.956246
cg161722							
40	chr5	1.52E+08		0.348526	1.979418	0.049376	0.956246
cg045395			IARS2;HLX;DUSP				
15	chr1	2.21E+08	10	0.298698	1.979675	0.049347	0.956246
cg138537			CCDC88B;DNAJC				
61	chr11	64863232	4;EHD1	0.342129	1.978763	0.04945	0.956343
cg081413							
42	chr1	45308976		-0.16976	-1.97845	0.049486	0.956343
cg115414							
86	chr17	72358055		-0.20497	-1.98313	0.048956	0.956226
cg002308							
37	chr5	9714909	CCT5	0.25423	1.979939	0.049317	0.956246
cg046923							
01	chr6	33152695		-0.1541	-1.98238	0.04904	0.956246
cg048760							
69	chr12	1.32E+08		0.392917	1.981927	0.049092	0.956246
cg219159							
70	chr17	29885825		0.151169	1.979819	0.04933	0.956246
cg121963							
67	chr3	1.84E+08	ECE2	-0.14901	-1.98057	0.049245	0.956246



cg075114							
59	chr21	40684751		-0.28155	-1.97996	0.049314	0.956246
cg238170							
42	chr10	28031269		0.146418	1.978366	0.049495	0.956343
cg140132							
20	chr1	2.45E+08		-0.16835	-1.97908	0.049414	0.956343
cg039012							
81	chr5	1441675		-0.23253	-1.97888	0.049437	0.956343
cg256024							
90	chr1	1.09E+08 HENMT1		-0.26201	-1.97896	0.049427	0.956343
cg239905							
57	chr15	99443249		-0.3341	-1.97966	0.049349	0.956246

			AIM2;PYHIN1;SL				
cg069548			AMF6;LY9;FCRL6				
55	chr1	1.6E+08 ;SLAMF1;CD244		0.262642	1.979284	0.049391	0.956246
cg221428							
58	chr6	6004804		0.220774	1.98026	0.04928	0.956246

			ASPA;TRPV3;ENS				
			G00000263050;				
			HIC1;ATP2A3;C1				
			7orf85;P2RX5-				
			TAX1BP3;P2RX1;				
cg007132			ENSG000002621				
86	chr17	2868887 94		0.359667	1.978851	0.04944	0.956343
cg144857							
89	chr2	2.37E+08		0.21001	1.980086	0.0493	0.956246
cg042976							
86	chr5	93643309 POU5F2		0.310054	1.9806	0.049242	0.956246
cg056825							
81	chr8	929958 ERICH1		-0.27514	-1.97839	0.049493	0.956343
cg074004							
53	chr11	1.26E+08		-0.26835	-1.97958	0.049357	0.956246
cg243624							
01	chr18	39535226		-0.29379	-1.97956	0.04936	0.956246
cg237368							
43	chr12	1.14E+08 RASAL1;DTX1		-0.24976	-1.98064	0.049237	0.956246
cg130904							
02	chr2	3418772		-0.21608	-1.97958	0.049358	0.956246
cg052966							
19	chr13	1.15E+08 GRTP1		0.250397	1.980777	0.049222	0.956246
cg110038							
14	chr8	4854917 CSMD1		0.315213	1.979702	0.049344	0.956246

cg051448						
84	chr16	2770429	0.214071	1.981177	0.049176	0.956246
cg086658						
01	chr6	33378936	-0.15549	-1.97862	0.049467	0.956343
cg118662						
96	chr17	36061601 SYNRG	0.297726	1.981777	0.049109	0.956246
cg075554						
37	chr20	45279830	0.197905	1.978856	0.04944	0.956343
cg027318						
24	chr6	44695195	-0.23272	-1.98185	0.0491	0.956246
cg188544						
24	chr1	2615690	-0.24014	-1.9777	0.049572	0.956357
cg257727						
23	chr3	1.28E+08	0.23556	1.979644	0.04935	0.956246
cg049158						
91	chr2	46621477 EPAS1;PRKCE	0.424904	1.980411	0.049263	0.956246
cg229280						
16	chr10	83636249	0.253558	1.97879	0.049447	0.956343
cg109741						
28	chr10	93393509	0.270888	1.978581	0.049471	0.956343
cg239986						
50	chr5	3787948	0.319446	1.981366	0.049155	0.956246
cg126568						
96	chr6	8438818	-0.344	-1.97909	0.049413	0.956343
cg174183						
04	chr1	2.37E+08	-0.18613	-1.98158	0.049131	0.956246
cg114256						
56	chr7	44791211	0.18586	1.978338	0.049499	0.956343
cg122457						
09	chr11	361318	0.264698	1.978963	0.049428	0.956343
cg084371						
32	chr5	1.51E+08 SLC36A1;ATOX1	-0.22218	-1.97876	0.049451	0.956343
cg174827						
06	chr9	77643371	-0.16338	-1.98051	0.049253	0.956246
cg198268						
64	chr10	31321007	0.232447	1.977703	0.049571	0.956357
cg115657						
03	chr4	26321236	-0.15901	-1.97983	0.04933	0.956246
cg067967						
79	chr3	1.28E+08	0.282692	1.977094	0.04964	0.956357
cg111806						
24	chr7	95705445	0.251842	1.980658	0.049235	0.956246
cg187713						
57	chr13	1.07E+08	0.310022	1.978635	0.049465	0.956343
cg013704						
49	chr7	27183369 HOXA-AS2	0.244417	1.982171	0.049064	0.956246
cg273438						
36	chr16	86549678	0.193507	1.978849	0.049441	0.956343
cg228535						
88	chr20	35169881 SLA2	0.359605	1.98043	0.049261	0.956246

cg042615							
56	chr7	20373143		-0.27938	-1.97944	0.049373	0.956246
cg043108							
24	chr1	53393297		-0.2052	-1.97843	0.049488	0.956343
cg163830							
05	chr6	1.67E+08	PRR18	-0.25221	-1.97794	0.049544	0.956357
cg217933							
82	chr7	1.34E+08		-0.26934	-1.97869	0.049458	0.956343
cg195609							
27	chr19	46995312	CCDC8;PNMAL1	-0.31216	-1.9783	0.049502	0.956343
cg205813							
21	chr2	98963585		0.330856	1.978764	0.04945	0.956343

			ZNF486;ZNF90;E NSG0000026738 3;ENSG0000027				
cg031866							
20	chr19	19657416	1524	-0.21899	-1.98133	0.049159	0.956246
cg082047							
83	chr19	12624679		0.271822	1.97777	0.049563	0.956357
cg123019							
72	chr2	2.42E+08		-0.24552	-1.97856	0.049473	0.956343
cg182946							
10	chr11	18138837		-0.23048	-1.9789	0.049435	0.956343
cg121974							
57	chr6	1.61E+08		0.239746	1.978017	0.049535	0.956357
cg097248							
78	chr12	1.32E+08		-0.17283	-1.97712	0.049637	0.956357
cg063798							
76	chr1	41220106	COL9A2	0.533965	1.980932	0.049204	0.956246
cg068661							
03	chr2	2.2E+08		0.26038	1.977168	0.049632	0.956357
cg135220							
03	chr3	3221500		0.138366	1.979543	0.049362	0.956246
cg238896							
54	chr10	860862		0.260122	1.979477	0.049369	0.956246
cg033266							
99	chr1	42506979		-0.22037	-1.9786	0.049469	0.956343
cg010910							
79	chr12	34455326		-0.19975	-1.97825	0.049508	0.956343
cg027559							
56	chr6	1.12E+08		-0.2438	-1.97935	0.049384	0.956246
cg228127							
70	chr1	52195547		-0.21172	-1.97813	0.049522	0.956357

			TMEM79;IQGAP 3;RAB25;ENSG0				
cg223695							
90	chr1	1.57E+08	0000246203	-0.20796	-1.97846	0.049485	0.956343

cg27158308	chr6	10838807	-0.1752	-1.97834	0.049498	0.956343
cg17445875	chr3	69859618	-0.30332	-1.97845	0.049486	0.956343
cg25632093	chr22	29999554	-0.15173	-1.97833	0.0495	0.956343
cg08784934	chr10	664994	0.301878	1.977062	0.049644	0.956379
cg03173685	chr16	21178333	-0.1838	-1.97884	0.049442	0.956343
cg17753942	chr17	78957598	0.240185	1.978461	0.049485	0.956343

		C6orf132;ENSG0000261068;TRE					
cg18497508	chr6	41528345	RF1	0.376234	1.980319	0.049274	0.956246
cg16398094	chr2	86333206		-0.14393	-1.97822	0.049513	0.956343
cg16015285	chr8	1.28E+08	LINC00861	0.210017	1.980876	0.049211	0.956246
cg08263099	chr19	54410160		-0.15214	-1.97927	0.049393	0.956246
cg05898618	chr11	2555576	CARS;NAP1L4	-0.58629	-1.98014	0.049294	0.956246
cg15942562	chr12	6959471		0.20174	1.978791	0.049447	0.956343
cg27287840	chr7	8008357		0.203719	1.980519	0.049251	0.956246
cg04675427	chr12	7249465		0.229595	1.977895	0.049549	0.956357
cg04063615	chr12	1.32E+08		0.515834	1.978932	0.049431	0.956343
cg07533729	chr2	2.16E+08		-0.21608	-1.97678	0.049676	0.956689
cg24390428	chr17	75252210	TNRC6C	-0.28732	-1.97687	0.049666	0.956622
cg18313116	chr2	28113601		-0.14117	-1.97723	0.049625	0.956357
cg24580076	chr7	915073	SUN1	-0.60649	-1.97934	0.049385	0.956246
cg02454884	chr19	46389466		0.170176	1.978915	0.049433	0.956343
cg16177805	chr2	2.43E+08		-0.20787	-1.97639	0.049721	0.957091
cg27340283	chr11	45199222		0.196689	1.97996	0.049314	0.956246
cg02394098	chr12	29534091		0.152223	1.980069	0.049302	0.956246
cg07813377	chr12	1192425		0.302462	1.979909	0.04932	0.956246

cg026322						
36	chr1	5893532	0.218371	1.978506	0.04948	0.956343
cg002511						
25	chr1	2.28E+08	-0.17275	-1.9775	0.049594	0.956357
cg031887						
93	chr11	755658	0.631325	1.978678	0.04946	0.956343
cg182385						
70	chr8	12952379	-0.37098	-1.97732	0.049615	0.956357
cg031898						
71	chr19	6713292	-0.20505	-1.9774	0.049606	0.956357
cg169285						
51	chr6	32847441 PBX2	0.302415	1.977418	0.049603	0.956357
cg133414						
12	chr6	1.24E+08	0.329667	1.979306	0.049389	0.956246
cg247073						
11	chr7	2500070	-0.22983	-1.97899	0.049424	0.956343
cg159457						
85	chr4	1.7E+08	0.221067	1.977128	0.049637	0.956357
cg022800						
23	chr12	68726324	-0.19872	-1.9777	0.049571	0.956357
cg072885						
57	chr12	47226301 RAPGEF3;HDAC7	0.311095	1.977772	0.049563	0.956357
cg075882						
63	chr8	42396768	0.196727	1.979266	0.049393	0.956246
cg023494						
68	chr5	1093661 PDCD6;LPCAT1	-0.2465	-1.98286	0.048986	0.956226
cg027292						
69	chr16	127772	-0.16717	-1.9777	0.049571	0.956357
cg071488						
80	chr1	2.01E+08	0.123099	1.978236	0.04951	0.956343
cg196121						
91	chr15	96884949	0.25944	1.977111	0.049638	0.956357
cg049571						
98	chr10	25241883	-0.35366	-1.97644	0.049716	0.957068
cg078976						
59	chr22	50316901	-0.55049	-1.9783	0.049503	0.956343
cg122129		P2RY14;TMEM1				
56	chr3	1.52E+08 4E	-0.39382	-1.97933	0.049386	0.956246
cg270745						
05	chr2	37684473	-0.31583	-1.98024	0.049283	0.956246
cg107168						
62	chr1	65674876	0.184629	1.977145	0.049635	0.956357
cg215150						
23	chr5	1253833	-0.34688	-1.97977	0.049336	0.956246
cg026725						
92	chr1	1.51E+08	0.209945	1.97866	0.049462	0.956343
cg232160						
15	chr7	31726654 FAM188B	-0.25288	-1.97739	0.049607	0.956357
cg165341						
63	chr3	1.46E+08	-0.30622	-1.97928	0.049392	0.956246

cg076014							
75	chr16	89941916		-0.27134	-1.97746	0.049598	0.956357
cg136509							
65	chr6	41011991		-0.29425	-1.9767	0.049685	0.956785
cg117311							
14	chr10	8096064		-0.33217	-1.97683	0.049671	0.956634
cg027238							
56	chr15	53086726		0.263273	1.977956	0.049542	0.956357
cg043347							
51	chr7	1.3E+08		0.27524	1.978179	0.049517	0.956343
cg136518							
59	chr9	91926249	HNRNPA1P14	-0.17531	-1.97752	0.049591	0.956357
cg035495							
71	chr12	49488198		0.27488	1.979904	0.049321	0.956246
cg127501							
51	chr11	55586264		-0.27027	-1.97965	0.049349	0.956246
cg098293							
19	chr6	10882238		0.286923	1.977092	0.049641	0.956357
cg012483							
75	chr9	94877805		0.195997	1.976722	0.049683	0.956783
cg273186							
35	chr16	3781749		-0.23561	-1.97825	0.049508	0.956343
cg043961							
85	chr12	53574334		-0.16501	-1.97611	0.049753	0.957219
cg134700							
69	chr17	40307567		0.355832	1.979117	0.04941	0.956343
cg110739							
31	chr20	57269626		0.215711	1.977484	0.049596	0.956357
cg134160							
07	chr17	79296376		0.186803	1.978107	0.049525	0.956357
cg033835							
08	chr2	1.2E+08		-0.22462	-1.98006	0.049303	0.956246
cg146562							
29	chr7	1.39E+08		-0.23509	-1.97726	0.049622	0.956357
cg011091							
69	chr2	71134630		0.247548	1.978557	0.049474	0.956343
cg146401							
49	chr2	2.17E+08		-0.31455	-1.97601	0.049764	0.957219

			TTC34;MORN1;E				
cg015145			NSG0000026989				
38	chr1	2980380	6;TP73;CEP104	0.216935	1.976168	0.049746	0.957219
cg168508							
97	chr7	1E+08		0.440119	1.976637	0.049692	0.956839
cg008832							
18	chr1	6301400		0.173437	1.978003	0.049537	0.956357
cg007637							
68	chr14	99947408		0.149382	1.978179	0.049517	0.956343

cg163043						
02	chr12	27486485	-0.15457	-1.97751	0.049593	0.956357
cg272994						
84	chr4	42418956	-0.24459	-1.97783	0.049557	0.956357
cg119654						
09	chr2	2.4E+08	-0.23378	-1.97631	0.049729	0.957117
cg025201						
60	chr5	1.57E+08 CYFIP2	-0.21943	-1.97717	0.049632	0.956357
cg170834						
75	chr12	1.33E+08	-0.2157	-1.97802	0.049535	0.956357
cg131840						
77	chr10	64424428	-0.21482	-1.97565	0.049805	0.95738
cg023457						
98	chr22	18957892	-0.17871	-1.97823	0.049511	0.956343
cg177198						
18	chr19	45211327	-0.23481	-1.97508	0.04987	0.957754
cg011856						
26	chr1	75594016	0.251514	1.977156	0.049633	0.956357
cg104933						
30	chr5	1.8E+08	-0.16863	-1.97694	0.049658	0.956596
cg085157						
79	chr17	73039310	-0.16897	-1.97656	0.049702	0.956889
cg036516						
80	chr2	46926842	-0.19501	-1.97761	0.049582	0.956357
cg055118						
86	chr2	20423429	0.125168	1.977524	0.049591	0.956357
cg264555						
41	chr4	26321238	-0.20531	-1.9764	0.04972	0.957091
cg155475						
34	chr7	1E+08	0.224451	1.978128	0.049523	0.956357
cg000572						
40	chr2	1.91E+08	-0.36024	-1.97751	0.049593	0.956357
cg037824						
53	chr4	7043935	0.242886	1.975262	0.04985	0.957753
cg114537						
19	chr13	28552052	0.290419	1.976649	0.049691	0.956839
cg100087						
25	chr16	1728898	-0.20394	-1.97688	0.049664	0.956622
cg172229						
92	chr1	2.12E+08	-0.14464	-1.97586	0.049782	0.957219
cg201443						
59	chr11	61450770 CD6	-0.21715	-1.97591	0.049776	0.957219
cg166365						
22	chr17	46723671	-0.31029	-1.97931	0.049388	0.956246
cg013569						
10	chr16	4323571 CLUAP1	-0.1657	-1.97785	0.049554	0.956357
cg262932						
01	chr6	33281517	-0.14302	-1.97517	0.049861	0.957754
cg179377						
26	chr3	1.64E+08	0.475115	1.97714	0.049635	0.956357

cg071585						
03	chr5	1.35E+08	0.551247	1.98363	0.0489	0.956226
cg111925						
41	chr6	30434109	-0.2144	-1.97586	0.049781	0.957219
cg265857						
24	chr15	90208739	0.251113	1.976587	0.049698	0.956869
cg227877						
19	chr1	2.1E+08	-0.22018	-1.97635	0.049725	0.957115
cg251411						
81	chr1	19665757	0.456185	1.975937	0.049773	0.957219
cg110222						
36	chr6	564588	-0.17173	-1.97658	0.049699	0.956869
cg219758						
34	chr5	1.34E+08 SKP1	0.310067	1.975371	0.049837	0.957658
cg033869						
71	chr22	46328304 CERK	0.32292	1.975048	0.049874	0.957754
cg019056						
33	chr6	3849391	0.234982	1.97738	0.049608	0.956357
cg239149						
04	chr12	1.15E+08	-0.23191	-1.97597	0.049769	0.957219
cg054835						
05	chr11	59785552	0.256692	1.975647	0.049806	0.95738
cg080895						
43	chr4	1607111	-0.18453	-1.9765	0.049708	0.956974
cg273956						
66	chr1	98513986	-0.26751	-1.97624	0.049738	0.957156
cg068307						
24	chr14	1.01E+08	0.229732	1.979458	0.049371	0.956246
cg070609						
08	chr16	29884970	-0.25053	-1.97626	0.049735	0.957147
cg246017						
16	chr13	28498451	0.175456	1.975667	0.049803	0.95738
cg274251						
69	chr15	66313425	-0.27223	-1.97584	0.049784	0.957219
cg024787						
08	chr19	55401611	-0.26593	-1.97522	0.049854	0.957754
cg150491						
01	chr10	1.23E+08 FGFR2	-0.39529	-1.97728	0.049619	0.956357
cg093203						
67	chr1	40177469	-0.2411	-1.97558	0.049813	0.957398
cg130978						
16	chr2	2.42E+08	-0.27719	-1.97416	0.049976	0.957982
cg048517						
02	chr16	81528974 CMIP;GAN	-0.28398	-1.97501	0.049879	0.957754
cg269854						
69	chr22	41778258	-0.18238	-1.97495	0.049886	0.957754
cg198126						
05	chr11	1.18E+08	0.184535	1.977182	0.04963	0.956357
cg079273						
10	chr10	50729975	0.26837	1.977551	0.049588	0.956357



cg045226			USP48;LINC0033				
91	chr1	22972401	9	-0.20634	-1.97437	0.049952	0.957982
cg258906							
78	chr2	1.13E+08		-0.33061	-1.97599	0.049766	0.957219
cg252527							
08	chr2	2.09E+08		-0.30427	-1.9759	0.049777	0.957219
cg254956							
85	chr7	1.51E+08		0.209608	1.974987	0.049881	0.957754
cg108428							
04	chr11	1.25E+08		0.218742	1.977438	0.049601	0.956357
cg065730							
96	chr13	44811779		-0.3582	-1.97796	0.049542	0.956357
cg023858							
48	chr6	1.66E+08		-0.26233	-1.97518	0.049859	0.957754
cg168859							
82	chr11	1422563		-0.19901	-1.97717	0.049631	0.956357
cg214752							
70	chr1	47909595	TAL1;CYP4B1	0.245222	1.97578	0.04979	0.957297
cg198723							
35	chr19	41133077		0.295805	1.974628	0.049922	0.957982
cg051538							
61	chr7	1E+08	ZCWPW1	0.14378	1.975953	0.049771	0.957219
cg037667							
03	chr19	46393454		-0.24344	-1.97439	0.04995	0.957982
cg062959							
28	chr7	4902015		-0.28349	-1.97996	0.049315	0.956246
cg211884							
00	chr2	19082803		0.29917	1.975931	0.049773	0.957219
cg193608							
52	chr12	12848977		0.344628	1.975606	0.04981	0.957383
cg236689							
05	chr1	2.03E+08		-0.20621	-1.97756	0.049587	0.956357
cg144409							
47	chr9	33166737		-0.2117	-1.97596	0.049769	0.957219
cg025267			NDRG1;WISP1;S				
90	chr8	1.34E+08	LA;TMEM71	0.313018	1.97562	0.049809	0.957383
cg008915							
41	chr16	68481487		0.332885	1.975089	0.04987	0.957754
cg080187							
89	chr16	90039187		-0.11706	-1.97627	0.049735	0.957147
cg081744							
82	chr4	40823896		0.271385	1.975367	0.049838	0.957658
cg227724							
40	chr6	1.51E+08	MTHFD1L	-0.33065	-1.9748	0.049902	0.957982
cg105888							
93	chr12	34464089		0.250435	1.973974	0.049997	0.957982
cg229633			ENSG000002701				
82	chr11	1.14E+08	79	-0.28593	-1.97432	0.049958	0.957982

cg009240							
04	chr8	65490710		0.227372	1.977401	0.049605	0.956357
cg080230							
20	chr16	2059559		0.12351	1.974345	0.049955	0.957982
cg088816							
14	chr3	51433428		-0.17488	-1.97571	0.049798	0.95737
cg126647							
49	chr1	2E+08 PTPRC		0.292938	1.974416	0.049947	0.957982
cg115606							
27	chr10	71888428		-0.21175	-1.97521	0.049856	0.957754
cg080960							
38	chr6	99861729		-0.34451	-1.97399	0.049996	0.957982
cg090072							
36	chr17	78228820		0.240296	1.976868	0.049666	0.956622
cg275905							
41	chr16	10449708		-0.23575	-1.97442	0.049946	0.957982
cg128077							
94	chr20	591085 SDCBP2		0.313418	1.97401	0.049993	0.957982
cg078372							
62	chr8	22225395		-0.25875	-1.97463	0.049923	0.957982
cg178627							
22	chr17	7608411		-0.17177	-1.9742	0.049972	0.957982
cg221891							
50	chr15	64386437		0.260351	1.9755	0.049823	0.957508
cg035027							
91	chr14	54413931		-0.28487	-1.97774	0.049567	0.956357
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			NSG0000023109				
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23	chr7	1.34E+08 4		-0.21949	-1.97685	0.049668	0.956622
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07	chr1	2.21E+08		0.218839	1.974023	0.049992	0.957982
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23	chr8	1.17E+08		-0.22985	-1.97737	0.049609	0.956357
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72	chr3	46940439		-0.22681	-1.97592	0.049774	0.957219
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70	chr2	1.12E+08		0.170054	1.975364	0.049838	0.957658
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69	chr20	62367698		-0.24693	-1.97443	0.049945	0.957982
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51	chr10	88136949		0.198376	1.974277	0.049963	0.957982

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43	chr10	1.15E+08	CASP7;DCLRE1A	-0.30214	-1.97634	0.049727	0.957115
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94	chr6	32820999		-0.14838	-1.97505	0.049874	0.957754
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50	chr12	1.31E+08	RAN	-0.26772	-1.97457	0.049928	0.957982
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76	chr8	1.04E+08		0.233061	1.97413	0.049979	0.957982
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21	chr5	1.4E+08		0.330846	1.974018	0.049992	0.957982
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SRCIN1;PLXDC1;ARHGAP23;HNF1B;LINC00672;PIP4K2B;MLLT6; NEUROD2;STARD3;PCGF2;ENSG00000214546;CACNB1	-0.83341	-6.19219	4.28E-09	0.00061
ENSG00000225265;FAM177B;MARC2;DUSP10	-0.87465	-6.0146	1.07E-08	0.001135
MANSC1;CREBL2;ETV6	-0.44483	-5.96789	1.35E-08	0.001135
DLK2;LRRC73;RSPH9;DNPH1;TCTE1;SPATS1;PTK7;ENSG000002 72442	-0.67841	-5.9354	1.59E-08	0.001135
GMPR;STMND1	-0.66289	-5.87989	2.11E-08	0.001286
BCL9	0.543703	5.783218	3.42E-08	0.001656
FUOM	-1.12221	-5.77364	3.58E-08	0.001656
DYNLL1-AS1;CIT;MORN3;UNC119B;PXN;DYNLL1	-0.53106	-5.72899	4.47E-08	0.001656
	-0.65567	-5.72161	4.63E-08	0.001656
SRGAP1;TMEM5;ENSG00000256571;ENSG00000255693;GNS	-0.80889	-5.70858	4.94E-08	0.001656
CASZ1;APITD1;SPSB1;ENSG00000234546	-0.61038	-5.67581	5.81E-08	0.001656
RNF157- AS1;FOXJ1;SEC14L1;ST6GALNAC2;ITGB4;UBALD2;RHBDF2;SPHK 1;TRIM65;WBP2;RNF157;TRIM47;LINC00338;PRPSAP1;EVPL;SA P30BP;FBF1	-0.55491	-5.67903	5.72E-08	0.001656
SLC43A2;C17orf97;MYO1C;DOC2B;YWHAE;HIC1	-0.45643	-5.67561	5.81E-08	0.001656
C6orf118;PRR18;MPC1;SFT2D1	-0.89794	-5.6373	7.01E-08	0.001874
	-0.69197	-5.5631	1.01E-07	0.002532
	-0.72755	-5.54013	1.13E-07	0.002673
RYR1;FBXO17;PLEKHG2;ZNF573;SPINT2;PPP1R14A;RINL;LGALS 7	-0.54622	-5.52868	1.19E-07	0.002676
NUBPL;HEATR5A;HECTD1;ENSG00000257831	-0.91348	-5.50852	1.31E-07	0.002719
MLF1;LXN;RARRES1;IQCJ-SCHIP1;MFSD1;ENSG00000271778	-0.70238	-5.49806	1.38E-07	0.002719
LDLRAD1;HSPB11;TCEANC2;ENSG00000197015;DIO1;TTC22;T MEM59;C1orf177;SSBP3;DHCR24;YIPF1;ENSG00000237611;BS ND;CYB5RL	-0.61932	-5.47874	1.51E-07	0.002719
	0.58308	5.471086	1.57E-07	0.002719
	-0.77118	-5.45953	1.66E-07	0.002719
	0.527841	5.456504	1.68E-07	0.002719
UNC79;FAM181A- AS1;C14orf142;PPP4R4;SERPINA1;FAM181A;IFI27L2;PRIMA1;A SB2;SERPINA10	-1.03331	-5.45734	1.68E-07	0.002719
LZTS1;INTS10;ATP6V1B2;CSGALNACT1	-0.64321	-5.44571	1.77E-07	0.002719
	0.384364	5.438297	1.84E-07	0.002719
ENSG00000206113;ENSG00000248399;ENSG00000249428;SH 3BP2;ENSG00000243894;NOP14;FAM86EP;ENSG00000261643	-0.65355	-5.43463	1.87E-07	0.002719
	-0.62427	-5.42165	1.99E-07	0.002719
STX2;POLE;MMP17;GPR133	-1.55564	-5.41677	2.04E-07	0.002719

MSMB;PARG;ENSG00000235618;OGDHL;TIMM23	-0.61777	-5.41681	2.04E-07	0.002719
	-0.43212	-5.38157	2.41E-07	0.002942
ALOX15	-0.63386	-5.37546	2.48E-07	0.002942
CCDC13;CCDC13-AS1;HHATL;FAM198A;HHATL-AS1;ZNF662;ZNF445;ABHD5;ZNF197;ACKR2;ZKSCAN7;ZNF660	-0.64583	-5.39156	2.30E-07	0.002942
	-0.40495	-5.37904	2.44E-07	0.002942
CEP104;TPRG1L	-0.72252	-5.35781	2.69E-07	0.003095
IL34;ST3GAL2;MARVELD3	-0.41429	-5.35333	2.75E-07	0.003095
PRX;LTBP4;AXL;ZNF780B;PSMC4	0.38414	5.334672	3.01E-07	0.003235
	-0.4621	-5.33314	3.03E-07	0.003235
HMCN1;EDEM3	-0.59835	-5.32569	3.14E-07	0.003269
C11orf89;TSPAN4;TSPAN32;LSP1	-0.51746	-5.30717	3.42E-07	0.003318
	0.600672	5.311765	3.35E-07	0.003318
MOK;HSP90AA1;WDR20;TECPR2;ZFYVE21;ENSG00000260285;ENSG00000259508;ENSG00000270108;CKB	-0.53207	-5.31776	3.26E-07	0.003313
	-0.53656	-5.30166	3.51E-07	0.003318
EFCAB6;TTLL1;EFCAB6-AS1;MCAT;CENPM;MPPED1;BIK;A4GALT;PACSIN2;ARFGAP3;SMDT1;NAGA;NFAM1;SCUBE1;ATP5L2	-0.78476	-5.29808	3.57E-07	0.003318
TSPAN15;PALD1	0.527707	5.277661	3.93E-07	0.003574
GIT2	0.396609	5.264331	4.18E-07	0.003682
TTC8;EFCAB11;ENSG00000258699;SPATA7;TDP1;ENSG00000258752;FOXN3	-0.70151	-5.26038	4.26E-07	0.003682
CCDC60;DYNLL1-AS1;CCDC64;RNF10;UNC119B;PXN;DYNLL1;MLEC;ENSG00000248636;P2RX7	-0.56014	-5.25358	4.40E-07	0.003682
CAPN9;GNPAT;SPRTN;ENSG00000244137;FAM89A	-0.56881	-5.25419	4.39E-07	0.003682
TIMP2;C1QTNF1;ENSG00000267506;TNRC6C	-0.42724	-5.24479	4.58E-07	0.003682
RAB20;ANKRD10;COL4A1;ARHGEF7;COL4A2;ING1	-0.57766	-5.24529	4.57E-07	0.003682
	0.405231	5.238581	4.72E-07	0.003682
ENSG00000268592;LRP11;PPP1R14C;RAET1E	-0.75738	-5.23563	4.78E-07	0.003682
POLE;STX2;GPR133;DDX51;ULK1	-0.88312	-5.23193	4.87E-07	0.003682
CCDC13-AS1;CCDC13;ULK4;HHATL-AS1;HHATL	-0.72063	-5.22735	4.97E-07	0.003682
CEACAM3;AXL;DEDD2;LTBP4;ADCK4;PLD3;PRX	-0.4479	-5.22634	5.00E-07	0.003682
MSMB;OGDHL;ENSG00000235618	-0.88039	-5.19416	5.80E-07	0.004149
RSPH3;SYTL3;DYNLT1;EZR;ZDHHC14;C6orf99;ENSG00000213076;FNDC1;ENSG00000271913;SERAC1	-0.56143	-5.19333	5.82E-07	0.004149
KIAA0513;FENDRR;FOX1;FAM92B	-0.77221	-5.17606	6.31E-07	0.00435
C14orf79;ADSSL1;IGHV3-15;IGHV3-11;IGHV3-21;IGHV3-23	-0.56798	-5.1797	6.20E-07	0.004348
MTURN;WIPF3;FAM188B;CHN2;ENSG00000235669;ENSG00000227017;RPS27P16;SCRN1;PRR15;ENSG00000229263;NANOG				
P4	-0.56354	-5.16754	6.56E-07	0.004453

PIH1D2;BTG4;BCO2;C11orf88;POU2AF1;MIR34C;ENSG0000025093;ENSG00000254980;ENSG00000255208;ENSG00000255428;DIXDC1;DLAT;C11orf53;ENSG00000214264;LAYN;COLCA2;ENSG00000255334;COLCA1;C11orf1;IL18	-0.68903	-5.15939	6.82E-07	0.004552
SHROOM3	-0.51298	-5.14536	7.27E-07	0.004782
ZFP3;ENSG00000261863;ARRB2;SPNS3;PLD2;MED11;SCIMP;VMO1;MINK1;ENSG00000261879;ALOX15;MIS12	-1.00686	-5.13909	7.48E-07	0.004847
	-0.50345	-5.12989	7.81E-07	0.004898
SLC37A1;RSPH1;TMPRSS3;C21orf128;TMPRSS2;ENSG00000235772;LINC00111;ENSG00000225431;UMODL1;LINC00479;TFF3;ABCG1;ZNF295-AS1;PDE9A;TFF1;PRDM15	-0.52473	-5.13557	7.61E-07	0.004853
ZNRD1-AS1	-0.4347	-5.12718	7.91E-07	0.004898
PEAR1;SYT11	0.445982	5.112613	8.45E-07	0.005162
PITPNA;SCARF1;HIC1;YWHAE;INPP5K	-0.57545	-5.10821	8.63E-07	0.005176
SLC37A1;TMPRSS3;RSPH1;TMPRSS2;ENSG00000225431;TFF3;ENSG00000235772;UMODL1;LINC00111;C21orf128;ZNF295-AS1;LINC00479;TFF1;PDE9A;PRDM15;ENSG00000237989	-0.62443	-5.10589	8.72E-07	0.005176
SERPINE2	-0.80337	-5.07254	1.02E-06	0.005947
TCP11L1;CD59;ENSG00000184566;DEPDC7;QSER1;HIPK3;NAT10;CAT;PIGCP1;ABTB2;KIAA1549L	-0.65182	-5.06425	1.05E-06	0.006093
PPARGC1B;HMGXB3;PDGFRB;ARHGEF37;ABLM3;TCOF1	-0.70193	-5.05309	1.11E-06	0.006242
C17orf58;ABCA8;PRKAR1A;PITPNC1;AMZ2;ABCA6;ABCA10;ABCA5;ENSG00000267731;ABCA9	-0.4976	-5.05461	1.10E-06	0.006242
C11orf49;AGBL2;CELF1;DDB2;LRP4;PACSIN3;KBTBD4;RAPSN	-0.46223	-5.04834	1.13E-06	0.006295
FGF1	-0.74704	-5.0399	1.18E-06	0.006376
ENSG00000258334;CCDC65;PRPH;KCNH3;CACNB3;C12orf68;FMNL3;TUBA1A;TMBIM6;RHEBL1;ZNF641;LMBR1L;KANSL2;SPATS2;DNAJC22	-0.66312	-5.04166	1.17E-06	0.006376
	-0.47238	-5.03341	1.21E-06	0.006411
C4orf19	-0.57423	-5.03108	1.23E-06	0.006411
	-0.45395	-5.0305	1.23E-06	0.006411
	-0.61606	-5.00936	1.35E-06	0.006971
	0.505706	5.004457	1.38E-06	0.007043
TRIP13;NKD2;AHRR;PLEKHG4B;TPPP;C5orf55	-0.68995	-4.99877	1.42E-06	0.007083
	-0.55314	-4.99799	1.43E-06	0.007083
HOXB1;SKAP1;NPEPPS;HOXB4;PRR15L;MIR10A;CALCOCO2;HOXB5;HOXB-AS2;TBKBP1;ENSG00000235300	-0.64021	-4.98284	1.53E-06	0.007248
ARHGEF10	-0.48285	-4.98949	1.48E-06	0.007248
COL4A1;RAB20;COL4A2	-0.63666	-4.98431	1.52E-06	0.007248
EFCAB2;C1orf101;ENSG00000232192;ENSG00000272195	-0.66192	-4.98687	1.50E-06	0.007248
TPPP	-1.29769	-4.97325	1.59E-06	0.007485
CDH26	-0.75235	-4.96557	1.65E-06	0.007664
	0.397858	4.95255	1.75E-06	0.007953
CCDC40;PCYT2;BAIAP2-AS1;ENSG00000263069;AZI1;LINC00482	-0.78932	-4.95602	1.72E-06	0.007914

ZFP3;ARRB2;ENSG00000261863;PLD2;SCIMP;MED11;SPNS3;ALOX15;MINK1	-0.91144	-4.94822	1.78E-06	0.00796
C14orf79;ADSSL1;IGHG2;IGHV3-21;IGHV3-23;IGHV3-15;IGHG3;IGHG1;IGHV3-7;KIAA0125;JAG2;CDCA4;IGHV3-11;INF2;IGHM;IGHJ3P;IGHA1;IGHGP;IGHG4;ENSG00000251602	-0.55558	-4.9463	1.80E-06	0.00796
MRPL14;SLC29A1;DLK2;GLTSCR1L;POLR1C;RRP36;TMEM63B;ARS2;DNPH1	-0.57157	-4.9431	1.82E-06	0.00796
ENSG00000242941;ENSG00000258623;ENSG00000259038;EXD2;RAD51B;ENSG00000258957;DCAF5	-0.77057	-4.94443	1.81E-06	0.00796
ZC2HC1C;ENSG00000259319;IFT43;TTLL5;ISCA2;ACYP1;FCF1	-0.41552	-4.94065	1.85E-06	0.007966
CDRT1;MPRIP;UBB;TRIM16;TEKT3;ADORA2B;ENSG00000251537	-0.64622	-4.93411	1.90E-06	0.008063
	0.419867	4.933505	1.91E-06	0.008063
TTC8;EFCAB11;ENSG00000258752;CALM1;ENSG00000258699;TDP1;EML5;TTC7B	-0.5673	-4.92951	1.94E-06	0.008128
	0.451283	4.922616	2.00E-06	0.008221
UBL3	-0.94575	-4.91842	2.04E-06	0.008297
	-0.61868	-4.92373	1.99E-06	0.008221
ENSG00000188242;TPPP;SLC9A3	-1.11343	-4.90904	2.13E-06	0.008491
	0.426098	4.912167	2.10E-06	0.008452
CYTH3;FOXK1;EIF2AK1;RNF216;RSPH10B;FSCN1;TNRC18;RADIL;RAC1	-0.63048	-4.90574	2.16E-06	0.008503
CAPN8;CAPN2	-0.6555	-4.90157	2.20E-06	0.008539
	0.401263	4.90458	2.17E-06	0.008503
H19	-0.61654	-4.89837	2.23E-06	0.008584
	0.708022	4.891845	2.30E-06	0.008602
	-0.41365	-4.89275	2.29E-06	0.008602
	0.708854	4.895488	2.26E-06	0.008602
	0.327573	4.889958	2.31E-06	0.008602
ENSG00000234546;SPSB1;TMEM201;SLC45A1;H6PD	-0.82003	-4.88337	2.38E-06	0.008782
	-0.6831	-4.86832	2.55E-06	0.009226
C1orf21;NCF2;SMG7;COLGALT2	-0.79571	-4.86564	2.58E-06	0.009226
ZNF506;ZNF90;GDF15;TSSK6;ISYNA1	-0.54776	-4.86288	2.61E-06	0.009226
KEL;EPA1-AS1;FAM115C;MGAM	-0.59017	-4.86277	2.61E-06	0.009226
SMIM22;CORO7;C16orf71;GLYR1;CDIP1	-0.44453	-4.86595	2.58E-06	0.009226
SAMHD1;KIAA1755;VSTM2L;MYL9	-0.50527	-4.85737	2.68E-06	0.009296
TPPP;NDUF56;NKD2;AHRR;PDCD6;CLPTM1L;MRPL36	-1.34382	-4.85265	2.73E-06	0.009416
ENSG00000206113;ENSG00000248399;SH3BP2;ENSG00000249428;FGFR3	-0.5709	-4.85848	2.66E-06	0.009296
SYNPO2L;MRPS16	0.525704	4.849395	2.77E-06	0.009476
	-0.50588	-4.84632	2.81E-06	0.00953
ZNF506	-0.38631	-4.8386	2.91E-06	0.009707
FENDRR;FOXF1;KIAA0513;FOXL1;CRISPLD2;USP10;C16orf74;FAM92B;ENSG00000262601;MTHFSD	-0.37246	-4.84421	2.84E-06	0.009544
SFXN3;ABCC2	0.522968	4.825139	3.09E-06	0.010027

COG7;ENSG00000260136	-0.30943	-4.82906	3.03E-06	0.010027
DAXX;BAK1	-0.86618	-4.82232	3.12E-06	0.010027
	0.373065	4.819866	3.16E-06	0.010027
	0.356727	4.819678	3.16E-06	0.010027
LZTFL1;SLC6A20;CDCP1;CLEC3B;PTH1R	-0.66531	-4.82065	3.15E-06	0.010027
ITGB7;KRT4	-0.40417	-4.81919	3.17E-06	0.010027
LRRC59;COL1A1;UTP18;EPN3;SGCA;SAMD14;ENSG00000248954	-0.7387	-4.81275	3.26E-06	0.01024
IL27RA	0.645632	4.809027	3.31E-06	0.010315
	0.601796	4.806155	3.35E-06	0.010315
	0.501561	4.804492	3.38E-06	0.010316
COBL;GRB10;ENSG00000228204	-0.52475	-4.80238	3.41E-06	0.010339
TAX1BP1;HOXA3;HIBADH;HOXA5;HOXA-AS2;HOXA2	-0.69033	-4.80642	3.35E-06	0.010315
DNAAF1;FAM92B;ATP2C2;KIAA0513;CRISPLD2;ENSG00000260228;HSDL1;MBTPS1	-0.9388	-4.79425	3.53E-06	0.01064
LATS2	0.577178	4.788986	3.62E-06	0.010812
MCAT;PACSIN2;BIK;TTLL1;PARVB;ARFGAP3;EFCAB6-AS1	-0.57257	-4.78296	3.71E-06	0.011025
RBM38;PMEPA1	-0.46716	-4.77844	3.79E-06	0.011142
PIGR	-0.42965	-4.77741	3.81E-06	0.011142
HILPDA;LRRC4;RBM28	-0.80652	-4.7757	3.83E-06	0.011149
LZTFL1;EXOSC7;FYCO1;ALS2CL;LRRC2	-0.6307	-4.77172	3.90E-06	0.011193
B3GNT3;OCEL1;NR2F6;SLC27A1;C19orf44;FCHO1;PGLS	-0.51221	-4.7721	3.90E-06	0.011193
CHD7	-0.45907	-4.76846	3.96E-06	0.011279
ZNF165;GABBR1;PGBD1;ENSG00000272009;HLA-F	-0.58674	-4.76568	4.01E-06	0.011341
B3GNT3;UPF1;KXD1	0.4294	4.762769	4.06E-06	0.011398
	-0.55656	-4.76152	4.08E-06	0.011398
SMIM5;RNF157-AS1;WBP2	-0.36407	-4.75551	4.19E-06	0.011626
PEAR1;SH2D2A;SYT11;NES;RAB25;FCRL5;MEF2D;TMEM79	-0.43175	-4.75249	4.24E-06	0.01169
NRROS;BDH1;SLC51A;MUC4;MUC20;PCYT1A	-0.63297	-4.75105	4.27E-06	0.01169
	-0.38048	-4.74709	4.35E-06	0.01169
TIMP2;C1QTNF1;USP36;ENSG00000267506;ENSG00000178404;ENSG00000267491	-1.05509	-4.74865	4.32E-06	0.01169
SCAMP4;GNA11;ZNF57	-0.80009	-4.74694	4.35E-06	0.01169
ARHGEF10	-0.64113	-4.73686	4.54E-06	0.012013
CPXM2;LHPP;CTBP2;CHST15	-0.79864	-4.73617	4.56E-06	0.012013
ENSG00000247081	-0.46642	-4.7324	4.63E-06	0.012013
SUN1;PDGFA;HEATR2;FAM20C;PSMG3-AS1;PRKAR1B;ENSG00000242474;ELFN1;CYP2W1;GPR146;PSMG3	-0.34001	-4.73306	4.62E-06	0.012013
TMCO3;CDC16;ADPRHL1;TMEM255B;RASA3;DCUN1D2	-0.62181	-4.73218	4.64E-06	0.012013
RAB3IP;CPSF6;LYZ	-0.69253	-4.73525	4.58E-06	0.012013
	0.358241	4.726434	4.75E-06	0.012097
BCL9	0.406323	4.721952	4.85E-06	0.012119
	0.49872	4.72281	4.83E-06	0.012119
AP3M2	-0.66021	-4.72727	4.74E-06	0.012097

TMCO3;ADPRHL1;GAS6;TMEM255B;F10;TUBGCP3;DCUN1D2	-0.71366	-4.72799	4.72E-06	0.012097
ZNF214;CNGA4;TIMM10B;ARFIP2;TRIM3;APBB1;NLRP14;DCHS				
1;TRIM5;HPX;DNHD1;RRP8;UBQLNL;SMPD1;ENSG0000022429	-0.52252	-4.72227	4.84E-06	0.012119
5;UBQLN3;ILK	0.541305	4.718521	4.92E-06	0.012124
CCDC64;DYNLL1;DYNLL1-				
AS1;CCDC60;RNF10;P2RX7;MLEC;SRSF9;COX6A1	-0.50693	-4.71973	4.90E-06	0.012124
HEATR2;PSMG3-				
AS1;SUN1;PDGFA;FAM20C;ENSG00000242474;MAD1L1;ELFN1;	-1.10334	-4.71786	4.94E-06	0.012124
ENSG00000249852;PRKAR1B;PSMG3	-0.70702	-4.71221	5.06E-06	0.012215
SMOC2	-0.48967	-4.71268	5.05E-06	0.012215
	0.454605	4.710611	5.09E-06	0.012231
CREB3L4;ATP8B2;NPR1;JTB;DENND4B;INTS3	-0.55044	-4.70823	5.15E-06	0.012288
	0.862846	4.716515	4.96E-06	0.012125
TAMM41	0.577919	4.702632	5.27E-06	0.012521
	0.300048	4.699738	5.34E-06	0.012548
TNKS;ENSG00000254153;ERI1;ENSG00000182319;ENSG00000				
233609	-0.5844	-4.6982	5.37E-06	0.012554
RASA3;PCID2;CDC16;TMCO3;GAS6	-0.33659	-4.69319	5.49E-06	0.01267
FBXL2;ENSG00000261572;CMTM6;UBP1;CRTAP;CMTM8	-0.43083	-4.69959	5.34E-06	0.012548
CCDC19;CADM3;IFI16;ENSG00000225670;DARC;PEA15	-0.57211	-4.6911	5.54E-06	0.01267
	-0.46412	-4.68674	5.65E-06	0.012774
	0.518889	4.683447	5.73E-06	0.012822
ZCCHC24;ZMIZ1	-0.36962	-4.68896	5.59E-06	0.012719
FENDRR;FAM92B;C16orf74;FOXF1;FOXL1;MTHFSD;KIAA0513;C				
RISPLD2;USP10;ENSG00000262601	-0.34206	-4.6922	5.52E-06	0.01267
APPL2;C12orf75;TCP11L2;TXNRD1;NUAK1;CHST11;ENSG00000				
257438	-0.59335	-4.69242	5.51E-06	0.01267
FNDC5;MTMR9LP;SERINC2;ZBTB8A;TMEM39B;RNF19B;COL16				
A1	0.377948	4.679116	5.84E-06	0.012996
GTF3C6;DDO;SMPD2	-0.45028	-4.67671	5.90E-06	0.013064
	0.487384	4.674956	5.94E-06	0.013095
LRRC27;TUBGCP2;TTC40;KNDC1;BNIP3;FUOM;PWWP2B;STK32				
C;INPP5A	-0.77319	-4.68449	5.70E-06	0.012822
PLEKHS1;CASP7;ADRB1;DCLRE1A;ENSG00000234393	-0.71196	-4.67007	6.07E-06	0.013238
	0.454215	4.671027	6.05E-06	0.013238
	0.479615	4.666144	6.17E-06	0.013328
	0.496961	4.666198	6.17E-06	0.013328
TJP3	-1.17762	-4.66164	6.29E-06	0.013342
WWC1;TENM2;SLIT3;ENSG00000248222;FOXI1;SPDL1	-0.6255	-4.66444	6.22E-06	0.013342
ENSG00000255308;ENSG00000255160;E2F8;NAV2;CSRP3;NAV				
2-AS5;NAV2-AS4;NAV2-IT1	-0.67063	-4.66125	6.31E-06	0.013342
CALM1;RPS6KA5;GPR68;TC2N;CCDC88C;ENSG00000260711;N				
DUFB1	-0.38412	-4.66265	6.27E-06	0.013342
ZNF662;FAM198A;ABHD5;ZBTB47;RN7SL517P;HIGD1A	0.45963	4.652875	6.54E-06	0.013764

GALNT16;ENSG00000242941;ENSG00000245466;COX16;KIAA0247;ENSG00000258623	-0.52834	-4.64587	6.74E-06	0.013979
SEC14L1;FOXJ1;RNF157-AS1;ST6GALNAC2;ENSG00000267506;UBALD2;SNHG16	-0.62522	-4.64739	6.69E-06	0.013956
	-0.64192	-4.64352	6.81E-06	0.014053
	0.395081	4.651263	6.58E-06	0.013792
	0.495244	4.638032	6.97E-06	0.014177
	0.443687	4.639988	6.91E-06	0.014177
SSBP4;LINC00663;ZNF506;HOMER3;PBX4;LSM4;COMP;RAB3A;NR2C2AP	-0.69321	-4.63631	7.02E-06	0.014177
TCF21;EYA4;SGK1	-0.99145	-4.63171	7.16E-06	0.014177
ENSG00000261924;CBX8	-0.48791	-4.6345	7.07E-06	0.014177
TNRC6C-AS1;TMC8	-0.49811	-4.63488	7.06E-06	0.014177
CPEB4;ERGIC1	-0.60169	-4.63287	7.12E-06	0.014177
	-0.62146	-4.63013	7.21E-06	0.014177
UNC79;FAM181A-AS1;C14orf142;ATXN3;ASB2;MOAP1;FBLN5;PRIMA1	-0.63861	-4.63443	7.08E-06	0.014177
KIAA1755;TGIF2	0.470966	4.626376	7.33E-06	0.014177
	0.351231	4.626794	7.31E-06	0.014177
	0.465392	4.62622	7.33E-06	0.014177
ULK4;CCDC13;CCDC13-AS1;HHATL-AS1;ZBTB47;POMGNT2;HHATL;SEC22C;FAM198A;ZNF662	-0.64211	-4.62885	7.25E-06	0.014177
HCAR3	-0.60583	-4.62761	7.29E-06	0.014177
ZNF780B	0.370944	4.621093	7.49E-06	0.014301
DNAH6;LDHAP7;TRABD2A;GGCX;DUXAP1;MAT2A;VAMP8;TCF7				
L1;VAMP5;ST3GAL5;ENSG00000246575;ATOH8	-0.60414	-4.62511	7.37E-06	0.014181
NAP1L4;CARS;ENSG00000255367	-0.77593	-4.62009	7.53E-06	0.014301
ZHX2;FAM83A;TBC1D31	-0.69099	-4.61972	7.54E-06	0.014301
	0.588549	4.618969	7.56E-06	0.014301
	-0.43385	-4.61536	7.68E-06	0.014396
SLC35C1;PRDM11;ALX4	0.435558	4.612939	7.76E-06	0.014425
SEC14L1;RNF157-AS1;SPHK1;TNRC6C;FOXJ1;UBALD2;ENSG00000267506;ST6GAL				
NAC1;ST6GALNAC2;PRPSAP1;SNHG16	-0.78684	-4.61536	7.68E-06	0.014396
ALDH18A1;HELLS;CYP2C8	-0.6874	-4.61285	7.76E-06	0.014425
IL5RA;LRRN1	-0.54594	-4.60658	7.97E-06	0.014675
RNF212;ZNF876P;FGFR3;ZNF732;ENSG00000273179;PDE6B;ENSG00000251188	-0.47197	-4.60577	8.00E-06	0.014675
TTC28;TTC28-AS1	-0.22126	-4.60331	8.09E-06	0.014675
DDO	-0.48466	-4.6027	8.11E-06	0.014675
	0.268823	4.602965	8.10E-06	0.014675
TEKT3	-0.5924	-4.60319	8.09E-06	0.014675
	0.392092	4.598585	8.25E-06	0.014726
TMEM45B;ARHGAP32;ENSG00000255455;ENSG00000175773;BARX2	-0.80158	-4.60082	8.17E-06	0.014675

KCNC4;GSTM5;ATXN7L2;GSTM3;C1orf194;CSF1;LAMTOR5- AS1;STRIP1;CELSR2;WDR47;SORT1;GSTM4;PSMA5;ENSG000000 258634;GPSM2;LAMTOR5;CLCC1;SCARNA2;SYPL2;KCNA2;PSRC 1;SARS;AMIGO1	-0.59311	-4.60101	8.16E-06	0.014675
TET1;TSPAN15;COL13A1;STOX1;ENSG00000260400;HK1;TYSN D1	-0.78579	-4.59806	8.27E-06	0.014726
TGFB3;ZC2HC1C;IFT43;LTBP2;TTLL5;ISCA2;AREL1;MLH3;PGF;FC F1;C14orf1;ENSG00000259319	-0.54367	-4.59431	8.40E-06	0.014901
	0.505131	4.592272	8.48E-06	0.014908
SLC37A1;TMPRSS2;TFF3;RSPH1;TMPRSS3;LINC00111;LINC0047 9;ENSG00000235772;TFF1;C21orf128;ENSG00000225431;ENS G00000237989;PDE9A;ABCG1	-0.62921	-4.59299	8.45E-06	0.014908
TTC21A;MOBP;SCN11A;XYLB;ENTPD3- AS1;SCN5A;GORASP1;EXOG	-0.59636	-4.58762	8.65E-06	0.015021
HYDIN;ENSG00000262890;HAS3;ENSG00000260156;TANGO6;I L34;SNTB2;WWP2;NQO1;ST3GAL2;MTSS1L	-0.66663	-4.58838	8.62E-06	0.015021
ADAMTS2;COL23A1;PDLIM7;ZNF354C	0.403906	4.588685	8.61E-06	0.015021
	-0.42474	-4.58598	8.71E-06	0.015065
CLINT1	0.447515	4.584466	8.76E-06	0.015101
ATF7IP2	-0.34845	-4.57587	9.09E-06	0.015601
ADAMTSL2;SARDH;GBGT1;MED22;ABO	-0.53241	-4.5717	9.25E-06	0.015816
ENSG00000238120;NUP50;ENSG00000226328	-0.44602	-4.56738	9.42E-06	0.015939
	0.418285	4.565526	9.50E-06	0.015939
ERG	-0.69064	-4.56578	9.49E-06	0.015939
COL13A1;PALD1	0.450717	4.566826	9.44E-06	0.015939
MYCL;MFSD2A	0.582352	4.564309	9.55E-06	0.015939
NOTCH1;EGFL7	0.63576	4.564671	9.53E-06	0.015939
ENSG00000251364	0.587275	4.560748	9.69E-06	0.016016
	0.444271	4.562755	9.61E-06	0.015982
ENSG00000255308;ENSG00000255160;E2F8;NAV2-AS5	-0.58887	-4.55907	9.76E-06	0.016016
	0.692509	4.558121	9.80E-06	0.016016
	0.419936	4.557927	9.81E-06	0.016016
TRERF1;ENSG00000231113;DNPH1;PEX6	-0.48486	-4.55682	9.85E-06	0.016016
	0.388379	4.556842	9.85E-06	0.016016
SMAD9;DCLK1;NBEA	0.493237	4.5554	9.91E-06	0.016033
C7orf57;ABCA13	-0.58614	-4.55478	9.94E-06	0.016033
TMEM45B;ARHGAP32;BARX2;SNX19;ENSG00000272412	-0.71539	-4.54995	1.01E-05	0.016085
CCDC30;TMEM125;WDR65;FAM183A;RIMKLA;ENSG00000236 180;ZMYND12;KDM4A;TIE1;EBNA1BP2;ENSG00000230116;TM SB4XP1;LEPRE1;ARTN;ST3GAL3;MPL;PTPRF;HIVEP3;C1orf210	-0.56676	-4.55323	1.00E-05	0.016078
	0.325067	4.547297	1.03E-05	0.016117
SKI;FAM41C;MXRA8;SAMD11;SSU72;VWA1;RER1;ENSG000002 23764	0.398338	4.548735	1.02E-05	0.016085
	-0.36997	-4.55123	1.01E-05	0.016085
CSNK1A1	-0.36504	-4.54562	1.03E-05	0.01612



	-0.28646	-4.54652	1.03E-05	0.016117
HGD;MAATS1;GPR156;GOLGB1;POLQ;FBXO40;STXBP5L;FSTL1	-0.61889	-4.5489	1.02E-05	0.016085
ROPN1B;HEG1;ALG1L;FAM86JP	-0.61724	-4.54899	1.02E-05	0.016085
DNAJC16	0.471012	4.53943	1.06E-05	0.016428
GLTSCR1L;C6orf132;ENSG00000261068;FRS3;TRERF1	-0.67748	-4.54234	1.05E-05	0.016286
ENSG00000206113;ENSG00000248399;ENSG00000249428;SH				
3BP2;ENSG00000243894;FAM86EP;NOP14	-0.61694	-4.53502	1.08E-05	0.016616
	0.468965	4.530868	1.10E-05	0.01679
	0.341999	4.538041	1.07E-05	0.016465
FXYD3;KIAA0355;CLIP3;ZNF792;WTIP;ZNF30;SCN1B;COX6B1;E				
NSG00000267767	-0.39471	-4.53369	1.09E-05	0.01665
	0.573496	4.526641	1.12E-05	0.016895
NEK1;RPL9P16;CLCN3;SH3RF1	-0.61766	-4.52864	1.11E-05	0.016829
MFNG;SH3BP1;SUN2;PDGFB;ANKRD54;RAC2;CYTH4;CBY1;FAM				
227A	-0.76101	-4.52466	1.13E-05	0.016895
TMPRSS2;SLC37A1;TMPRSS3;RSPH1	-0.55575	-4.5253	1.13E-05	0.016895
TNFRSF10D;TNFRSF10B;TNFRSF10A;SLC25A37;NKX3-				
1;BIN3;ENSG00000246582;RHOTB2	-0.68587	-4.52877	1.11E-05	0.016829
IL10RB;URB1;SYNJ1;C21orf119	-0.50123	-4.52436	1.13E-05	0.016895
	-0.57804	-4.52092	1.15E-05	0.017024
C14orf79;ADSSL1;INF2	-0.85905	-4.52189	1.14E-05	0.017013
	0.458192	4.517504	1.16E-05	0.017128
FUOM;ECHS1;SPRN	-0.89363	-4.51701	1.17E-05	0.017128
TSPAN4;LRRRC56;MRPL23;DEAF1;ENSG00000251661;IFITM3;M				
OB2;MUC5AC;IFITM1;ATHL1;TALDO1;B4GALNT4;RASSF7;ENSG				
00000250397;CD151;IGF2	-0.62023	-4.51544	1.17E-05	0.017183
PMEPA1;RBM38;TFAP2C	-0.46589	-4.51732	1.16E-05	0.017128
	0.555207	4.512461	1.19E-05	0.01734
EPHA4	-0.64725	-4.50988	1.20E-05	0.01747
CLMN;ASB2;UNC79	-0.67943	-4.50802	1.21E-05	0.017489
KIF3B;BPIFB1;CBFA2T2;BPIFB2;SNTA1	-0.52386	-4.50886	1.21E-05	0.017486
	-0.40953	-4.50649	1.22E-05	0.017542
MVP;QPRT;TUFM;TMEM219	-0.6804	-4.50262	1.24E-05	0.017652
PDZD2;ENSG00000272086	-0.75868	-4.50287	1.24E-05	0.017652
	0.347078	4.503758	1.23E-05	0.017652
ENSG00000272054	-0.46824	-4.49897	1.26E-05	0.017755
	-1.11492	-4.49887	1.26E-05	0.017755
FGFR4	-0.56121	-4.49321	1.29E-05	0.01794
GMPR	-0.58523	-4.50087	1.25E-05	0.017723
IL8	-0.5584	-4.49175	1.30E-05	0.01794
	-0.41126	-4.4931	1.29E-05	0.01794
PADI2;PADI3	-0.71737	-4.4916	1.30E-05	0.01794
	0.416295	4.492265	1.29E-05	0.01794
DYNC2LI1	-0.7	-4.49019	1.31E-05	0.01794

TRIP6;EPHB4;ZKSCAN1;MCM7;ZCWPW1;KPNA7;ZNF3;GAL3ST4; ;STAG3;AZGP1;ZNF655;PILRA;AP4M1;ACHE;ENSG00000239521; ;PCOLCE;PVRIG;AGFG2;BUD31;ZSCAN25;CPSF4;TFR2;SRRT PODNL1;NFI1;STX10 DHRS4-AS1;EFS;ADCY4	-0.59936 -0.51458 -0.3296	-4.49651 -4.49065 -4.48546	1.27E-05 1.30E-05 1.33E-05	0.017873 0.01794 0.018241
ZNF688;TGFB1I1;C16orf93;CLUHP3;ZNF267;PHKG2;PRR14 ENSG00000227502	-0.62848 0.730698 0.412172	-4.48175 4.480208 4.480788	1.35E-05 1.36E-05 1.36E-05	0.018252 0.018252 0.018252
HOXB1	-0.32154 0.603842	-4.47976 4.480387	1.36E-05 1.36E-05	0.018252 0.018252
CCL2;LIG3	-0.39129 0.355737	-4.47955 4.47706	1.36E-05 1.38E-05	0.018252 0.018252
TMPRSS3;SLC37A1;RSPH1;LINC00111;C21orf128;TMPRSS2;ENS G00000225431;TFF3;ENSG00000235772;ZNF295- AS1;UMODL1;LINC00479;ABCG1;ENSG00000237989;TFF1;PDE 9A;PRDM15 COMMD7;HCK;CCM2L;HM13 PPARGC1B;HMGXB3;ARHGEF37;PDGFRB;TCOF1;ABLIM3 LIMD2;CD79B;DDX42;ENSG00000264954 HMGN2;STX12;NUDC CPNE5;PI16;PPIL1;TBC1D22B;CDKN1A;FGD2;RNF8 TMC8;TNRC6C-AS1	-0.44094 -0.39972 -0.57341 -0.53379 -0.31178 -0.60145 -0.68 0.340638	-4.4808 -4.47751 -4.47919 -4.47788 -4.47547 -4.47258 -4.46799 4.473017	1.36E-05 1.38E-05 1.37E-05 1.37E-05 1.39E-05 1.41E-05 1.43E-05 1.40E-05	0.018252 0.018252 0.018252 0.018252 0.018317 0.018426 0.018557 0.018426
ENSG00000267002;GJC1;GFAP;FZD2;MPP2;MEOX1;NAGS;BRC A1;NMT1;ETV4;GPATCH8;MPP3;ENSG00000267595;UBTF HMGB1P29;LINC01170 ALOX15;CXCL16;NUP88;SHPK ZCCHC24;PPIF;TMEM254;ZMIZ1 FUT2;TEAD2;RASIP1 ITGB2-AS1 R3HDM4;FSTL3;MISP;PPAP2C;PALM;GAMT;ADAMTSL5;CFD;TC F3;MIDN;GRIN3B;GPX4 F10;GRTP1;TMEM255B	-0.59508 -0.73478 -0.54509 -0.63194 0.49019 0.465501 -0.58981 -0.51522 -0.85972	-4.4703 -4.47132 -4.46725 -4.46775 4.466512 4.465462 -4.46027 -4.46086 -4.45876	1.42E-05 1.41E-05 1.44E-05 1.43E-05 1.44E-05 1.45E-05 1.48E-05 1.48E-05 1.49E-05	0.018489 0.018467 0.018557 0.018557 0.018558 0.018584 0.018822 0.018822 0.018885
IRAK2;SRGAP3- AS2;ENSG00000206567;PRRT3;OGG1;RPUSD3;TATDN2;CAMK1	-0.46711 -0.73627 -0.67903 -0.43625	-4.46071 -4.45332 -4.45193 -4.45422	1.48E-05 1.52E-05 1.53E-05 1.52E-05	0.018822 0.019172 0.019172 0.019172
KIAA1549;ATP6V0A4;SVOPL;TMEM213;DGKI	-0.74092 0.467101	-4.45261 4.449157	1.53E-05 1.55E-05	0.019172 0.019172
KIAA1244;ENSG00000237499;MAP3K5;PBOV1;IL20RA;TNFAIP3 ;NHSL1;HEBP2;ENSG00000220412;PEX7	-0.61587	-4.45031	1.54E-05	0.019172

KIAA0556;NSMCE1;KDM8;IL4R;GTF3C1;NPIPB6;ENSG00000245888;SBK1;ENSG00000261329	-0.93135	-4.44942	1.55E-05	0.019172
	0.432827	4.448826	1.55E-05	0.019172
HILPDA	-0.35304	-4.44997	1.54E-05	0.019172
SH3BP4	-0.52858	-4.4448	1.58E-05	0.019219
	-0.29496	-4.44646	1.57E-05	0.019202
ENSG00000233607;TES	0.364557	4.445696	1.57E-05	0.019202
LRCH1	-0.49157	-4.44262	1.59E-05	0.01934
	0.290504	4.445769	1.57E-05	0.019202
SHC4	-0.53492	-4.44599	1.57E-05	0.019202
	0.33296	4.440294	1.61E-05	0.019359
CNNM2;SH3PXD2A;ARL3;LDB1;C10orf95;NFKB2;CALHM2;C10orf32;PPRC1;GBF1;TRIM8	-0.6722	-4.44002	1.61E-05	0.019359
	-0.45463	-4.43966	1.61E-05	0.019359
CROCC	-0.29254	-4.43972	1.61E-05	0.019359
HYDIN;WWP2;ENSG00000262890;HAS3;TANGO6;SNTB2;IL34;ENSG00000260156;DDX19A	-0.53083	-4.43629	1.64E-05	0.019564
	-0.39544	-4.43556	1.64E-05	0.019564
	0.539882	4.435119	1.64E-05	0.019564
	-0.57815	-4.43343	1.65E-05	0.019647
LCNL1;PTGDS;CAMSAP1;UAP1L1;GPSM1;EGFL7;C9orf139;C9orf169	-0.33472	-4.43235	1.66E-05	0.019681
	0.381229	4.429743	1.68E-05	0.019786
	0.256617	4.430781	1.67E-05	0.019755
	0.336574	4.426662	1.70E-05	0.019876
	-0.37093	-4.42684	1.70E-05	0.019876
PELI3;CTSF;YIF1A;ENSG00000254510;ACY3;CD248;UNC93B1;CDK2AP2	-0.54465	-4.42096	1.74E-05	0.020222
PTPRS	0.337822	4.418593	1.76E-05	0.020222
HES2;THAP3;CAMTA1;ESPN	-0.3914	-4.41968	1.75E-05	0.020222
	-0.28625	-4.42783	1.69E-05	0.019876
	-0.25614	-4.42094	1.74E-05	0.020222
SYCP2L;TMEM14B	-0.52496	-4.41892	1.76E-05	0.020222
	0.335194	4.417707	1.77E-05	0.020242
TPGS2;ZNF396;GALNT1;MOCOS	-0.6098	-4.4198	1.75E-05	0.020222
H2AFY;TIFAB;CXCL14	-0.48059	-4.41462	1.79E-05	0.02034
ABI3	-0.38559	-4.41632	1.78E-05	0.020256
	0.653665	4.41342	1.80E-05	0.020342
CAPN2;DISP1;CAPN8	-0.40321	-4.41203	1.81E-05	0.020342
SDK2;TTYH2;SSTR2;RAB37;DNAI2;COG1;KIF19;SLC9A3R1;SLC39A11	-0.57828	-4.41625	1.78E-05	0.020256
SH3PXD2A;ARL3;CNNM2;LDB1;C10orf32;C10orf95;NFKB2;CALHM2;TRIM8;PPRC1;KCNIP2;WBP1L	-0.77772	-4.41234	1.81E-05	0.020342
SERINC5;RASGRF2;MSH3;ZFYVE16;FAM151B	-0.58875	-4.4122	1.81E-05	0.020342
UNC13D;PRPSAP1;GALK1;HN1;ST6GALNAC1;CASKIN2;SLC9A3R1;FDXR;ATP5H;ICT1;TRIM65;MYO15B;MXRA7;SPHK1;ST6GALNAC2;CYGB;SMIM6	-0.60442	-4.40851	1.84E-05	0.020491

WFDC1;KIAA0513;ATP2C2;C16orf74;USP10;ENSG00000262601				
;DNAAF1	-1.10014	-4.40775	1.84E-05	0.020491
LRRC2;CDCP1;CLEC3B	-0.44348	-4.40925	1.83E-05	0.020491
ARID4A	-0.47882	-4.40825	1.84E-05	0.020491
ATP6V1G1	0.643818	4.405116	1.86E-05	0.020662
SLC9A3	0.571072	4.403793	1.87E-05	0.020722
NKD2;TPPP;TRIP13;ZDHHC11B	0.426515	4.401953	1.89E-05	0.02082
	-0.52615	-4.39964	1.90E-05	0.02082
	0.263206	4.399593	1.90E-05	0.02082
CARF	0.489017	4.399634	1.90E-05	0.02082
SLC29A3;UNC5B;PALD1	-0.46428	-4.39888	1.91E-05	0.02082
HN1L;PRSS22	0.495181	4.398519	1.91E-05	0.02082
	-0.39099	-4.3983	1.91E-05	0.02082
	0.283407	4.39753	1.92E-05	0.020834
ZNF165;GABBR1;HCG14;PGBD1;ZSCAN12P1;ZSCAN12;ENSG0000272009;MICE;ENSG00000197062	-0.75644	-4.39378	1.95E-05	0.021052
PINK1	-0.52125	-4.39558	1.94E-05	0.02095
	0.426129	4.390809	1.97E-05	0.021152
	-0.63613	-4.38996	1.98E-05	0.021173
C2orf81;LOXL3;INO80B;HMGA1P8;ENSG00000234521;WDR54	0.437494	4.391828	1.97E-05	0.021116
SEMA6D	-0.42266	-4.38759	2.00E-05	0.021183
	-0.26894	-4.38851	1.99E-05	0.021183
	-1.17478	-4.39263	1.96E-05	0.021099
TLCD1;TRAF4	-0.50099	-4.3854	2.02E-05	0.021309
	-0.43833	-4.38403	2.03E-05	0.021325
NLRC5;MT1E;CIAPIN1	-0.40037	-4.38428	2.03E-05	0.021325
	-0.5182	-4.38809	2.00E-05	0.021183
SKAP1;NPEPPS;ENSG00000235300;TBKBP1;HOXB4;PRR15L	-0.49677	-4.38163	2.05E-05	0.021485
	0.386199	4.379434	2.07E-05	0.021522
ANKRD66;GPR111;CYP39A1;ENSG00000226594;ENSG00000236164;CD2AP	-0.6717	-4.38744	2.00E-05	0.021183
	0.374243	4.38079	2.06E-05	0.021506
RARA	-0.61235	-4.37965	2.07E-05	0.021522
MARS;PIP4K2C;RDH16;AVIL	0.251973	4.377563	2.09E-05	0.021636
	-0.38205	-4.37352	2.12E-05	0.021893
	0.247374	4.375501	2.10E-05	0.021768
CERK;PPARA	-0.63504	-4.3699	2.15E-05	0.022115
	0.510609	4.371153	2.14E-05	0.022054
LY86	-0.42283	-4.369	2.16E-05	0.022144
	-0.44949	-4.36718	2.18E-05	0.022177
NID2	0.49211	4.366896	2.18E-05	0.022177
C16orf71;CORO7;SMIM22;GLYR1;CDIP1;C16orf89;ENSG00000266994	-0.5671	-4.3676	2.17E-05	0.022177
	0.321485	4.364879	2.20E-05	0.022203
DGKE;MSI2;C17orf67;VEZF1;MRPS23	-0.45385	-4.36318	2.21E-05	0.022293

SHANK2;SHANK2-AS1;CTTN;SHANK2-AS2;SHANK2-AS3	0.648774	4.365192	2.19E-05	0.022203
TRAF3IP1;TWIST2;ENSG00000232306;ILKAP	-0.5861	-4.36564	2.19E-05	0.022203
	-0.42905	-4.35957	2.25E-05	0.022325
ERG;TTC3;PIGP;DSCR3	-0.51923	-4.36139	2.23E-05	0.022325
LRG1;RFX2;FUT6;FUT3;TNFAIP8L1;PTPRS;HSD11B1L;CATSPERD; SEMA6B;PLIN3;CAPS	0.346795	4.358781	2.25E-05	0.022325
MSL1;RARA	-0.42989	-4.35873	2.25E-05	0.022325
SLC16A10;ENSG00000237234;LAMA4;ENSG00000270661;ENS G00000271208;ENSG00000226440;FAM229B	-0.48637	-4.35958	2.25E-05	0.022325
PTAFR;ATPIF1;ENSG00000270605;TMEM200B;FGR;EPB41;TRN AU1AP;MED18	-0.57989	-4.35795	2.26E-05	0.022325
HLA-A	-0.54152	-4.35889	2.25E-05	0.022325
FOXQ1;FOXF2;MYLK4;FOXC1	-0.74396	-4.36275	2.22E-05	0.022293
	0.472057	4.356825	2.27E-05	0.022369
SYTL3;DYNLT1	-0.41575	-4.35787	2.26E-05	0.022325
THEM4;BNIPL;CGN;S100A11;SEMA6C;SELENBP1;PSMD4;HRNR	0.707436	4.355335	2.29E-05	0.022454
TMCO3;ADPRHL1	-0.5016	-4.35384	2.30E-05	0.022541
CYS1;KLF11	0.674438	4.350055	2.34E-05	0.022739
	-3.01372	-4.34992	2.34E-05	0.022739
	-0.66539	-4.34612	2.37E-05	0.022951
SPATA33;GAS8;ENSG00000260259;GALNS;SPIRE2;C16orf3;ANK RD11;URAHF;ENSG00000261574;CBFA2T3;ZNF778	-0.62948	-4.35028	2.33E-05	0.022739
	0.343352	4.346903	2.37E-05	0.022929
GAREML;KCNK3;EMILIN1;KHK;C2orf70;RBKS;MAPRE3;AGBL5;IF T172;DRC1;FNDC4;GPR113;CAD;SUPT7L;CCDC121;PPM1G;ENS G00000205500	-0.48375	-4.34948	2.34E-05	0.022739
LINC00861	-0.66399	-4.34382	2.40E-05	0.022956
GRASP;ENSG00000257475;TENC1;SPRYD3;ENSG00000257337	0.270176	4.344901	2.39E-05	0.022956
	0.531956	4.345504	2.38E-05	0.022956
	0.427553	4.341797	2.42E-05	0.022956
	0.389828	4.341072	2.42E-05	0.022956
ADAM33;SLC4A11;HSPA12B;CDC25B;CPXM1;ZNF343;PANK2;S PEF1	-0.32853	-4.34258	2.41E-05	0.022956
PITPNM1	-0.42024	-4.34275	2.41E-05	0.022956
	-0.33268	-4.34025	2.43E-05	0.022956
	-0.39871	-4.34006	2.43E-05	0.022956
SSC5D;PTPRH;SYT5;PPP6R1;PPP1R12C;EPS8L1;HSPBP1	-0.49159	-4.3363	2.47E-05	0.023109
	0.536985	4.338448	2.45E-05	0.023007
	0.362239	4.337392	2.46E-05	0.023056
	0.424432	4.340719	2.43E-05	0.022956
CRTAP;FBXL2;CCR4	-0.45223	-4.34007	2.43E-05	0.022956
SERPINH1;CAPN5;SLCO2B1	0.656487	4.338714	2.45E-05	0.023007
	0.551732	4.332946	2.50E-05	0.023225
SLC43A2;HIC1;PITPNA;ENSG00000263050;INPP5K;NXN	-0.49953	-4.33393	2.49E-05	0.023182
	0.597493	4.334112	2.49E-05	0.023182

ENSG00000249042;ZFYVE16;FAM151B;DMGDH;BHMT;MTX3;JMY;CMYA5	-0.63514	-4.33554	2.48E-05	0.02313
MLPH;HES6;COL6A3;TRAF3IP1;RAB17;IQCA1	-0.68274	-4.33109	2.52E-05	0.023351
C17orf58;KPNA2;PITPNC1	-0.67911	-4.32904	2.55E-05	0.023361
TMEM45B;SNX19;ENSG00000272412	0.344154	4.330528	2.53E-05	0.023354
TRAF3IP1;RAB17;COPS8;ILKAP;HES6;LINC01107;COL6A3;TWIST2;ASB1	-0.831	-4.32888	2.55E-05	0.023361
UNC79;PPP4R4;ASB2;C14orf142;PRIMA1;FAM181A-AS1;SERPINA6;ENSG00000258987;MOAP1;SERPINA10	-0.63836	-4.32658	2.57E-05	0.023527
KPNA3;KCNRG;TRIM13;SETDB2	-0.52859	-4.32927	2.54E-05	0.023361
C15orf54	0.266565	4.326098	2.58E-05	0.023527
DNAH17;ENSG00000178404;TMC8;C1QTNF1	-0.37188	-4.3238	2.60E-05	0.023649
	0.339768	4.322202	2.62E-05	0.023711
LRRC48;FBXW10;ENSG00000232344;MIEF2;MPRIIP;ENSG00000226145;NT5M;ATPAF2;TRIM16L;ALKBH5;PLD6;TOM1L2;SREBF1;SHMT1;TVP23B;ENSG00000264177;RAI1;RASD1	-0.5277	-4.32507	2.59E-05	0.023576
LSP1;C11orf89;IGF2;TSPAN32;C11orf21;H19	-0.51156	-4.31888	2.65E-05	0.023975
	-0.42838	-4.32211	2.62E-05	0.023711
	0.306755	4.31638	2.68E-05	0.024046
MOK;HSP90AA1;WDR20;ENSG00000271417;MEG8;MEG3;DIO3OS;ENSG00000225746;TECPR2	-0.4346	-4.31692	2.67E-05	0.024046
STYXL1;CCDC146;HIP1;ENSG00000250990;POM121C;ENSG00000227038;MDH2;POR	-0.56353	-4.31543	2.69E-05	0.024046
	-0.5826	-4.31411	2.71E-05	0.024046
	0.521856	4.314046	2.71E-05	0.024046
BARX2;C11orf45	-0.54996	-4.31441	2.70E-05	0.024046
KAZN;ENSG00000228140;FHAD1	0.291382	4.314168	2.70E-05	0.024046
	-0.39907	-4.31281	2.72E-05	0.024067
RBFOX2;MB;IFT27;RASD2;MYH9;CARD10	-0.4682	-4.31296	2.72E-05	0.024067
	0.382892	4.314686	2.70E-05	0.024046
	0.453672	4.31018	2.75E-05	0.024153
	-0.34618	-4.30859	2.77E-05	0.024153
	-0.62766	-4.30805	2.77E-05	0.024153
BCL9	0.421258	4.307591	2.78E-05	0.024153
RABL2B;DENND6B;ODF3B;NCAPH2;TYMP;MAPK12	-0.46297	-4.30862	2.77E-05	0.024153
	0.258019	4.306415	2.79E-05	0.024153
SLC50A1;BCAN;MUC1;HCN3;RAB25;LAMTOR2	-0.40919	-4.30666	2.79E-05	0.024153
ENSG00000259901;ENSG00000259768	-0.49626	-4.30706	2.78E-05	0.024153
NSFL1C	-0.60333	-4.30405	2.82E-05	0.02433
PLXND1;RUVBL1;ENSG00000244300;COPG1;RPN1;GATA2;ENSG00000187695;FTH1P4	-0.3748	-4.31085	2.74E-05	0.024153
TMEM212	-0.45121	-4.30647	2.79E-05	0.024153
ALDH3B1;UNC93B1;ENSG00000255306;FAM86C2P;PITPNM1;MRGPRF;ENSG00000251637;ALG1L8P;ENSG00000254610;AIP;GSTP1;RPS6KB2;SUV420H1;RN7SKP239;MTL5;RAD9A;C11orf24;LRP5	-0.50613	-4.30751	2.78E-05	0.024153

MYO7A	0.668153	4.303632	2.82E-05	0.02433
	-0.58594	-4.3019	2.84E-05	0.024453
	-0.62626	-4.29968	2.87E-05	0.024625
	-0.64343	-4.29725	2.90E-05	0.024691
	0.537434	4.296982	2.90E-05	0.024691
PLEKHG7;ENSG00000257512;CCDC41;C12orf74;SOCS2;NUDT4; PLXNC1	-0.54331	-4.29911	2.88E-05	0.024633
C1orf110;OLFML2B;DDR2;C1orf226;ENSG00000230739;UAP1	0.409292	4.297875	2.89E-05	0.024691
RAB20;ING1;ANKRD10	0.301497	4.296568	2.91E-05	0.024691
	-0.60123	-4.29456	2.93E-05	0.024795
OSBPL3;DFNA5;ENSG00000260951;C7orf31;MPP6	-0.47312	-4.29182	2.96E-05	0.024925
	-0.47476	-4.2946	2.93E-05	0.024795
RABL2A;ZC3H6;TTL;ENSG00000237753 CNTNAP1;STAT5B	0.387413	4.291956	2.96E-05	0.024925
	-0.50289	-4.29405	2.94E-05	0.024797
TMEM45B;ARHGAP32;C11orf45;BARX2	-0.46881	-4.28774	3.01E-05	0.025242
	0.32924	4.290166	2.98E-05	0.025043
	0.364244	4.2862	3.03E-05	0.025301
RNF150;MGST2;H3F3AP6;ELMOD2;SCOC	-0.47886	-4.28642	3.03E-05	0.025301
	0.401098	4.282245	3.08E-05	0.025653
	0.362965	4.281838	3.08E-05	0.025653
ICAM1;COL5A3;OLFM2;KRI1;RGL3;KANK2 CCDC60;SUDS3;CIT	-0.39089	-4.27826	3.13E-05	0.025877
	0.468488	4.279342	3.12E-05	0.025813
	-0.48433	-4.27967	3.11E-05	0.025813
DKK3;MICALCL;TEAD1;GALNT18;PARVA	-0.54285	-4.27503	3.17E-05	0.026066
	-0.66814	-4.2769	3.15E-05	0.02592
NUCB2;NCR3LG1;ENSG00000260196;USH1C;SOX6;PLEKHA7	-0.57784	-4.27766	3.14E-05	0.025889
	-0.57726	-4.2737	3.19E-05	0.026129
	0.598567	4.271661	3.21E-05	0.026155
SIRPA;NSFL1C;SDCBP2;SLC4A11;SNPH;NOP56;TGM3	-0.50992	-4.27302	3.20E-05	0.026129
	0.377083	4.273289	3.19E-05	0.026129
	0.568424	4.269199	3.25E-05	0.026155
CD164L2;ATPIF1;ENSG00000270605;NUDC;WDTC1;RPS6KA1; MAP3K6;GPATCH3;FCN3;ENSG00000237429;FAM76A;PIGV	-0.42913	-4.27046	3.23E-05	0.026155
	0.460182	4.268561	3.26E-05	0.026155
	-0.31764	-4.26857	3.26E-05	0.026155
	0.227793	4.269648	3.24E-05	0.026155
SAMD11;ENSG00000223764;MXRA8	-0.42907	-4.26614	3.29E-05	0.026206
	-0.33723	-4.26712	3.27E-05	0.026206
MLLT4;DACT2;SMOC2 SLC1A2;C11orf74;PAMR1;RAG2	-0.57912	-4.26987	3.24E-05	0.026155
	0.352488	4.265441	3.30E-05	0.026206
	0.620011	4.268983	3.25E-05	0.026155
STK33;C11orf16;TUB;ENSG00000252778;AKIP1;ENSG0000024 8332;DENND5A;WEE1;SBF2;SNORA23	-0.4726	-4.27001	3.24E-05	0.026155
	-0.59885	-4.26625	3.29E-05	0.026206
PCDH12;SPRY4;KIAA0141;FGF1;PCDH1;NR3C1;GNPDA1				

C20orf195;ENSG00000267848;STMN3;SLC2A4RG;ZNF512B;SOX18;LINC00176;RTEL1-TNFRSF6B	-1.18118	-4.26524	3.30E-05	0.026206
FGD5;EAF1	0.393352	4.264845	3.30E-05	0.026206
CALM1;GPR68	0.416657	4.261611	3.35E-05	0.026404
CCDC78;NHLRC4;IFT140;BAIAP3;METRN;WDR90;HAGHL;ENSG00000261659;PIGQ;ENSG00000196674;RHBDF1;WDR24;SOX8;HBA2;HBA1;UBE2I;RGS11;NME4	-0.60855	-4.26493	3.30E-05	0.026206
PITPNM2;CLIP1;GTF2H3;ENSG00000251497;SNRNP35;HCAR2	-0.39317	-4.26277	3.33E-05	0.026378
	0.294784	4.262058	3.34E-05	0.026404
	0.513829	4.2582	3.39E-05	0.026634
NOS3;GIMAP8;REPIN1;CDK5;GIMAP6;ATG9B;GIMAP1;WDR86-AS1;ACTR3C;GIMAP5;GIMAP7;SMARCD3;LRRC61	-0.3928	-4.2581	3.40E-05	0.026634
CPEB4;BNIP1	-0.53852	-4.25841	3.39E-05	0.026634
KAZN;DNAJC16;ENSG00000238142	-0.51275	-4.25435	3.45E-05	0.026992
KAZN;DNAJC16;FHAD1;RSG1;ENSG00000228140;ENSG0000024621	-0.43172	-4.25199	3.48E-05	0.027151
	-0.6728	-4.2537	3.46E-05	0.027013
GDE1;TMC5;CCP110;IQCK	-0.34016	-4.24999	3.51E-05	0.027273
SMAP2;AKIRIN1;MFSD2A;KCNQ4;CITED4;RIMS3;ZMPSTE24;HEYL	-0.5286	-4.24877	3.53E-05	0.027273
PCYT2;BAIAP2-AS1;MAFG-AS1;LRRC45;BAIAP2;NOTUM	-0.43185	-4.2488	3.53E-05	0.027273
ENKUR;THNSL1	-0.45879	-4.24817	3.53E-05	0.027273
FAM107B;BEND7;CDNF	-0.56128	-4.24843	3.53E-05	0.027273
CYB5R1;ELF3;FMOD;RNPEP;LGR6;KDM5B;PRELP;PTPN7	-0.46413	-4.24587	3.57E-05	0.027429
	0.276621	4.247584	3.54E-05	0.027289
KIF3B;BPIFB1;BPIFB2;CBFA2T2;CCM2L;SNTA1	-0.66948	-4.24936	3.52E-05	0.027273
SEC23IP;GRK5;PRDX3	0.403334	4.243003	3.61E-05	0.027695
SLC43A2;C17orf97	-0.43398	-4.24258	3.62E-05	0.027695
	0.347126	4.240884	3.64E-05	0.027836
	0.382162	4.239824	3.66E-05	0.027905
	0.513463	4.237964	3.68E-05	0.028015
	0.283678	4.238143	3.68E-05	0.028015
VEZF1;MRPS23	-0.36668	-4.23664	3.70E-05	0.028094
	0.478671	4.23638	3.71E-05	0.028094
	0.325211	4.233384	3.75E-05	0.028253
TNXB;C6orf10;ENSG00000225914	-0.46255	-4.23454	3.73E-05	0.028202
SAMD11;TTLL10;C1orf222;SKI;MORN1;ANKRD65;ENSG00000269896;TTLL10-AS1;MXRA8;ENSG00000223764;TTC34;SSU72;ENSG00000272106;RNF223;FAM213B;CALML6;PLCH2;LINC01128;ENSG00000217801;ENSG00000271847;ACAP3;VWA1;ENSG00000224387;FAM41C;TNFRSF18	-0.61661	-4.23278	3.76E-05	0.028253
NEDD4L;MALT1;WDR7;NARS	-0.65931	-4.23523	3.72E-05	0.028175
RPL41P2	-0.29816	-4.23079	3.79E-05	0.028428
	-0.37237	-4.23288	3.76E-05	0.028253
PRR4;PRH2;PRB3;PRB2;ETV6;PRB1;PRB4	-0.55335	-4.23001	3.80E-05	0.028428



TEX26-AS1;UBL3;KATNAL1;USPL1	-0.42464	-4.22858	3.83E-05	0.028498
MAD1L1;GNA12;IQCE;TTYH3;CHST12;LFNG;BRAT1;PSMG3;ELF				
N1	-0.6439	-4.22846	3.83E-05	0.028498
NID2;FERMT2;DDHD1;FRMD6;ERO1L;PSMC6	-0.56212	-4.22995	3.80E-05	0.028428
PPM1M;SEMA3G;STAB1;NEK4;PBRM1;POC1A;ITIH3;PCBP4	-0.56953	-4.225	3.88E-05	0.028678
SLC23A1;CYSTM1;IK;TMEM173;NRG2	-0.42704	-4.22549	3.87E-05	0.028678
DOK7;LYAR	0.508629	4.224703	3.89E-05	0.028678
CHD7	-0.6314	-4.22346	3.90E-05	0.028678
	0.668396	4.223762	3.90E-05	0.028678
	0.498479	4.224498	3.89E-05	0.028678
	0.437602	4.223655	3.90E-05	0.028678
	-0.38577	-4.22387	3.90E-05	0.028678
TAL1;CMPK1;STIL;BEND5;ENSG00000226252;TRABD2B	-0.6173	-4.22094	3.94E-05	0.028919
CDH1;NQO1	-0.47646	-4.21877	3.98E-05	0.029123
	0.399353	4.217952	3.99E-05	0.029168
DOCK4	-0.78411	-4.21659	4.01E-05	0.029229
VPS35	0.354795	4.216585	4.01E-05	0.029229
DKK3;MICALCL	-0.45763	-4.21568	4.03E-05	0.029247
ENSG00000141854;CACNA1A;SYDE1;NOTCH3;BRD4;IL27RA;PO				
DNL1;ENSG00000267169;ZNF333;CD97;C19orf67;TECR;LPHN1	-0.40445	-4.21478	4.04E-05	0.029279
PYCR1;NOTUM;P4HB;TMEM105;LINC00482	-1.00926	-4.21307	4.07E-05	0.029279
LAIR1;LILRB1;ZSCAN5D	0.3779	4.215579	4.03E-05	0.029247
	-0.46874	-4.21229	4.08E-05	0.029279
	0.48372	4.211465	4.10E-05	0.029279
	0.569591	4.212218	4.08E-05	0.029279
	0.715732	4.210509	4.11E-05	0.029279
LRRC4	0.302044	4.212611	4.08E-05	0.029279
	-0.44156	-4.2096	4.13E-05	0.029279
PDE1C;ADCYAP1R1;AQP1;INMT;ZNRF2;GGCT	-0.31663	-4.21052	4.11E-05	0.029279
	0.534515	4.210735	4.11E-05	0.029279
CCDC96;CRMP1;KIAA0232;SORCS2;EVC;PSAPL1;WFS1;ENSG00				
000246526	-0.57886	-4.20979	4.13E-05	0.029279
NTRK2	-0.53543	-4.21166	4.09E-05	0.029279
GPR133	-0.33404	-4.21235	4.08E-05	0.029279
SLC34A2;SMIM20;PI4K2B;SEL1L3;LGI2;ANAPC4	-0.55606	-4.20889	4.14E-05	0.029297
IL1RN	0.412362	4.207051	4.17E-05	0.029438
ZNF713;PSPH;GBAS;EGFR;SUMF2	-1.05972	-4.20945	4.13E-05	0.029279
MAK;TMEM14B;ADTRP;EDN1	-0.51729	-4.20584	4.19E-05	0.029487
	0.3841	4.205211	4.20E-05	0.029487
ATP6V0D1;GFOD2;TRADD;ENKD1;CMTM4;FAM96B;RLTPR;CES				
2;ESRP2;ZDHHC1;TPPP3;SMPD3;CBFB	-0.42625	-4.20328	4.23E-05	0.029561
GPATCH2L	-0.38692	-4.20561	4.19E-05	0.029487
HELB;GRIP1	-0.59187	-4.20428	4.22E-05	0.029531
TMEM204;ABCA17P;TRAF7	0.412675	4.202911	4.24E-05	0.029561
	0.447122	4.202548	4.25E-05	0.029561

	0.325434	4.206858	4.17E-05	0.029438
DDR1;CLIC1;MDC1;PPP1R18;LTB;GPSM3;SLC44A4;C6orf25;BA				
G6	-0.54755	-4.20402	4.22E-05	0.029531
C9orf171;EXOSC2;AIF1L;LAMC3	-0.74035	-4.19999	4.29E-05	0.02972
TCF21;EYA4;SGK1	-1.02248	-4.19933	4.30E-05	0.02975
HMHA1;GRIN3B;PCSK4;GPX4;ARID3A	-0.41807	-4.19804	4.32E-05	0.029856
MAPRE3;DRC1;AGBL5;C2orf70;DTNB;SLC5A6;ENSG000002055				
00;OTOF;SNX17;ATRAID;GPR113	-0.54245	-4.20041	4.28E-05	0.029718
NOTUM;TMEM105;LINC00482;PYCR1;WDR45B;P4HB;NPLOC4;				
PCYT2;LRRC45	-0.5384	-4.20081	4.28E-05	0.029718
KCNA3	-0.61418	-4.19691	4.34E-05	0.029942
SMOC2;THBS2	-0.42902	-4.19602	4.36E-05	0.030001
ADAMTSL2;COL5A1;LINC00094;GBGT1	-0.5018	-4.1935	4.40E-05	0.030255
	0.383439	4.192186	4.43E-05	0.030366
SLBP	0.405825	4.190762	4.45E-05	0.030393
	0.44508	4.18918	4.48E-05	0.030488
ENSG00000261104;KIDINS220;ID2;MBOAT2	-0.59576	-4.19083	4.45E-05	0.030393
GCC2	-0.48445	-4.19179	4.43E-05	0.030366
TMCO3;F10;ADPRHL1;TUBGCP3;ATP11A	-0.55029	-4.1895	4.47E-05	0.030488
	-0.29657	-4.18749	4.51E-05	0.030597
PSMG3;GPR146	0.296577	4.187931	4.50E-05	0.030592
	0.495867	4.186912	4.52E-05	0.030619
	0.471431	4.183678	4.58E-05	0.030814
	-0.27157	-4.18368	4.58E-05	0.030814
	0.453867	4.182109	4.61E-05	0.030814
	-0.47205	-4.1814	4.62E-05	0.030814
SYNGAP1;PFDN6;ENSG00000272288;ANKS1A;ZBTB9;ITPR3;HS				
D17B8;B3GALT4;RGL2;CUTA	-0.43421	-4.18616	4.53E-05	0.030663
ENSG00000266896	0.490484	4.181697	4.62E-05	0.030814
CCDC78;IFT140;NHLRC4;BAIAP3;ENSG00000261659;HAGHL;M				
ETRN;WDR90;ENSG00000196674;RHBDF1;PIGQ;SOX8;NME4;R				
GS11;HBA2;UBE2I;SNRNP25;HBA1;POLR3K;WDR24;UNKL;CACN				
A1H;CHTF18;ENSG00000260807;TMEM204;TPSB2	-0.96197	-4.18321	4.59E-05	0.030814
	-0.4205	-4.18166	4.62E-05	0.030814
	0.311767	4.181529	4.62E-05	0.030814
	-0.78265	-4.17938	4.66E-05	0.030869
FES;CRTC3	-0.53451	-4.18037	4.64E-05	0.030869
	0.457239	4.179412	4.66E-05	0.030869
	0.256114	4.178161	4.68E-05	0.030923
	-0.28461	-4.17982	4.65E-05	0.030869
ANXA4;GFPT1;APLF;ANTXR1;TGFA	-0.41895	-4.18138	4.62E-05	0.030814
TMEM132B;AACS	-0.47343	-4.17748	4.69E-05	0.03096
ENSG00000251613;ENSG00000248371;ARHGEF28	-0.55362	-4.17888	4.67E-05	0.030883
XYLT1;ENSG00000183889	-0.43948	-4.17611	4.72E-05	0.030994
CDH13	-0.66996	-4.17513	4.74E-05	0.030994
GNG7;MOB3A;GNA15;ZNF57	-0.56154	-4.17541	4.73E-05	0.030994

ISLR;SCAMP2	-1.09589	-4.1741	4.76E-05	0.030996
	0.608821	4.17565	4.73E-05	0.030994
	-0.43659	-4.17339	4.77E-05	0.031037
LAMTOR5;CSF1	-0.41879	-4.17412	4.76E-05	0.030996
	-0.48481	-4.17141	4.81E-05	0.031109
NPTXR;MFNG;SUN2	-0.79602	-4.17086	4.82E-05	0.031109
GMDS;FOXC1	-0.43621	-4.17489	4.74E-05	0.030994
	0.457151	4.175445	4.73E-05	0.030994
	0.254123	4.170763	4.82E-05	0.031109
	-0.39059	-4.17008	4.83E-05	0.031109
ENSG00000235652	0.4968	4.169658	4.84E-05	0.031109
	0.420285	4.169411	4.85E-05	0.031109
CSF1;GSTM5;KCNC4;LAMTOR5;GSTM3;CLCC1;KCNC4- AS1;WDR47;LAMTOR5-AS1	-0.41518	-4.16881	4.86E-05	0.031109
	0.387008	4.169717	4.84E-05	0.031109
	-0.67001	-4.16924	4.85E-05	0.031109
TSPAN15;TET1;STOX1;COL13A1	-0.5381	-4.17131	4.81E-05	0.031109
	0.303107	4.168634	4.86E-05	0.031109
ACACA	-0.57261	-4.16592	4.91E-05	0.0314
	0.284004	4.165113	4.93E-05	0.031452
B3GNT3;NR2F6	-0.47482	-4.16476	4.94E-05	0.031452
IQCD;RITA1;CCDC42B;ENSG00000199899;SLC8B1;TMEM116;B RAP;OAS2	-0.39763	-4.16339	4.96E-05	0.03153
RRAGD;LYRM2;ANKRD6;BACH2	-0.51908	-4.16382	4.96E-05	0.031522
ICOSLG	-0.38686	-4.15749	5.08E-05	0.032182
KALRN;FAM86JP;ROPN1B	-0.5256	-4.15573	5.12E-05	0.032257
RANBP1	-0.42046	-4.15593	5.11E-05	0.032257
CES4A;ZDHHC1;TSNAXIP1;TPPP3;GFOD2;ENKD1;RANBP10;RRA D;CMTM4;LRRC36;PLEKHG4;CDH5;ATP6V0D1;FAM96B;SLC12A 4;CMTM3;TRADD	-0.40128	-4.15875	5.06E-05	0.032069
RABL2B	-0.4222	-4.15456	5.14E-05	0.032257
GPR17;LIMS2;MYO7B;ENSG00000235128	-0.54495	-4.1543	5.15E-05	0.032257
	0.529202	4.155047	5.13E-05	0.032257
SLC43A2;HIC1;PITPNA;ENSG00000262003;MYO1C	-0.49536	-4.15653	5.10E-05	0.032257
TTLL10;C1orf222;TTLL10- AS1;ANKRD65;MXRA8;SAMD11;ENSG00000272106;LINC01128 ;SSU72;VWA1;ENSG00000223764;RNF223;ACAP3;ENSG00000 217801;NOC2L;CALML6	-1.48867	-4.15035	5.23E-05	0.032511
THBS2;MLLT4	-0.76427	-4.14955	5.24E-05	0.032511
CCDC138;ENSG00000227470	0.352625	4.150827	5.22E-05	0.032511
	0.427433	4.149456	5.25E-05	0.032511
IFNGR1;ENSG00000227844	0.465494	4.149685	5.24E-05	0.032511
	-0.56148	-4.15135	5.21E-05	0.032511
FAM179A;ENSG00000226833;C2orf71;ENSG00000229951;PLB 1	-0.62451	-4.15443	5.14E-05	0.032257
MTMR9LP	0.313917	4.148152	5.27E-05	0.032596
	0.545801	4.147928	5.28E-05	0.032596

FMNL3;SMAGP;GALNT6;CERS5;POU6F1;TMBIM6	-0.52882	-4.14951	5.25E-05	0.032511
MSRB1;ABCA3;CLUAP1;PAQR4	0.43982	4.147634	5.28E-05	0.032596
SPRY1;FGF2;BBS12;SPATA5	-0.39334	-4.14939	5.25E-05	0.032511
	0.35001	4.14689	5.30E-05	0.032645
NME4;CACNA1H;TMEM204;RGS11	-0.27057	-4.1452	5.34E-05	0.032818
TPST1;ASL;ENSG00000232559	-0.57614	-4.14316	5.38E-05	0.032988
	0.460562	4.141005	5.43E-05	0.033176
	0.556614	4.140017	5.45E-05	0.033253
CEP112;CACNG4;PITPNC1	-0.65524	-4.14179	5.41E-05	0.03312
	0.413778	4.143916	5.36E-05	0.032937
QTRT1	-0.39364	-4.13823	5.49E-05	0.033253
DOC2B	0.340689	4.137137	5.51E-05	0.033253
CERK;PKDREJ;ENSG00000234869	-0.61063	-4.13682	5.52E-05	0.033253
	-0.42695	-4.13618	5.53E-05	0.033253
	0.533437	4.136709	5.52E-05	0.033253
FANK1;ADAM12;DOCK1;FANK1-AS1	-0.60491	-4.13612	5.53E-05	0.033253
CIB1;CRTC3;FES	-0.38053	-4.13614	5.53E-05	0.033253
GRASP;ACVRL1;POU6F1;SLC11A2;DAZAP2;KRT80;KRT7;GALNT6	0.45884	4.137898	5.49E-05	0.033253
LINC00589;TMEM66;DUSP4;LEPROTL1	-0.47504	-4.13729	5.51E-05	0.033253
	0.402541	4.136312	5.53E-05	0.033253
ENSG00000188242;TPPP;SLC9A3;LPCAT1	-0.79628	-4.13574	5.54E-05	0.033257
	-0.29308	-4.13733	5.51E-05	0.033253
	0.424522	4.132746	5.61E-05	0.033358
	-0.40045	-4.13427	5.57E-05	0.03335
	-0.37246	-4.13338	5.59E-05	0.03335
ENSG00000188242;TPPP	-1.05453	-4.1325	5.61E-05	0.033358
	0.308175	4.133258	5.59E-05	0.03335
	0.399033	4.133421	5.59E-05	0.03335
C3orf67;DENND6A;ABHD6;RPP14;ENSG00000242428;FAM3D	-0.40527	-4.13415	5.57E-05	0.03335
	-0.47317	-4.13	5.67E-05	0.033642
KIAA0556;NSMCE1;IL4R;KDM8;GTF3C1;ENSG00000261329;ENSG00000245888;SBK1	-0.65071	-4.12884	5.69E-05	0.033703
EYA4;SGK1	-0.82352	-4.12598	5.76E-05	0.033851
	0.175871	4.129309	5.68E-05	0.033687
MSMB;TIMM23	-0.68499	-4.12705	5.73E-05	0.033822
	-0.32668	-4.1269	5.74E-05	0.033822
	0.381152	4.124792	5.78E-05	0.033918
	0.521713	4.123656	5.81E-05	0.033938
COL8A2;OSCP1;C1orf216;ADPRHL2;ENSG00000232862;AGO3;TEKT2;KIAA0319L;MAP7D1;MRPS15;ENSG00000201448;GRIK3;THRAP3	-0.5867	-4.12617	5.75E-05	0.033851
FSIP1;SRP14-AS1;BUB1B;ENSG00000259536;PAK6;RAD51;BMF;RMDN3	-0.61945	-4.12493	5.78E-05	0.033918

C3orf67;ENSG00000242428;DENND6A;ABHD6;RPP14;FLNB	-0.33678	-4.12797	5.71E-05	0.033772
	-0.30352	-4.12361	5.81E-05	0.033938
	-0.40185	-4.12312	5.82E-05	0.033938
RAB11FIP4;CDK5R1	-0.63174	-4.12222	5.84E-05	0.033938
	-0.48868	-4.1225	5.84E-05	0.033938
	0.407543	4.12279	5.83E-05	0.033938
IL5RA	-0.63775	-4.11836	5.93E-05	0.034262
	-0.37713	-4.11779	5.95E-05	0.034262
FANK1;DHX32;ADAM12;BCCIP;FANK1-AS1;EDRF1;ENSG00000226899	-0.56777	-4.12304	5.83E-05	0.033938
POLR1C;MRPL14;DLK2	-0.35891	-4.11892	5.92E-05	0.034262
ACBD3;PYCR2;C1orf95;PARP1;SRP9	0.330903	4.117326	5.96E-05	0.034262
	-0.32917	-4.11673	5.97E-05	0.034262
SEZ6L2;C16orf93;MVP;ENSG00000261690;PHKG2;SEPT1;CDIPT;ZNF688;QPRT	-0.50336	-4.11718	5.96E-05	0.034262
NLRC5	-0.61244	-4.11608	5.99E-05	0.034304
CASZ1;APITD1;ENSG00000231789	-0.53611	-4.11779	5.95E-05	0.034262
ZHX2;FER1L6;TBC1D31;FER1L6-AS1;FER1L6-AS2	-0.48814	-4.119	5.92E-05	0.034262
ANXA2;ENSG00000259591;ENSG00000259481;ENSG00000259575;BNIP2	-0.4991	-4.11506	6.01E-05	0.034377
	0.463337	4.113274	6.05E-05	0.034496
	0.312969	4.111851	6.09E-05	0.034496
SLC44A4;VWA7;LY6G5C;HSPA1L;NELFE;NOTCH4;TCF19;TNXB;C6orf10;EHMT2;CLIC1;ENSG00000225914;HSPA1A;PBX2;HNRNP A1P2;BAG6;CCHCR1;ENSG00000272221;DDR1	-1.31338	-4.11443	6.03E-05	0.034389
	-0.57677	-4.11159	6.09E-05	0.034496
	-0.27153	-4.11486	6.02E-05	0.034377
	0.57054	4.112105	6.08E-05	0.034496
ENSG00000244300;GATA2;KIAA1257	0.268913	4.111827	6.09E-05	0.034496
EFCAB6;ENSG00000233157;EFCAB6-AS1	-0.51387	-4.11095	6.11E-05	0.034496
	0.45815	4.110384	6.12E-05	0.03452
SFMBT2	-0.51523	-4.10999	6.13E-05	0.03452
	0.471994	4.110968	6.11E-05	0.034496
	-0.55062	-4.10943	6.15E-05	0.03452
NAV2;E2F8;ZDHHC13;ENSG00000255308;CSRP3;HTATIP2;ENSG00000255160	-0.44541	-4.11127	6.10E-05	0.034496
TOM1L2	-0.27864	-4.10843	6.17E-05	0.034584
	-0.44545	-4.10957	6.14E-05	0.03452
CERK	-0.65105	-4.10703	6.20E-05	0.034662
CACNA1G;SPATA20	-0.38415	-4.11705	5.96E-05	0.034262
HELB	0.631739	4.105302	6.25E-05	0.034716
TMEM204;ENSG00000205890;MSRB1;PRSS22;CCDC64B;HN1L;CACNA1H	0.645313	4.107968	6.18E-05	0.034584
	-0.47353	-4.10501	6.25E-05	0.034716

XPNPEP3;PMM1;SGSM3;MCHR1;ENSG00000231993;ZC3H7B;C ENPM;L3MBTL2;ENSG00000232754	-0.39871	-4.108	6.18E-05	0.034584
HGD;MAATS1;GPR156;POLQ;GOLGB1;STXBP5L;FBXO40;FSTL1	-0.59229	-4.10659	6.22E-05	0.034662
	-0.28216	-4.10613	6.23E-05	0.034662
SEC14L1;SMIM5;FOXJ1;RNF157-AS1;MXRA7;TRIM65	-0.47723	-4.10369	6.29E-05	0.034852
	-0.57843	-4.10222	6.32E-05	0.034953
ENSG00000260604;FARS2;ENSG00000233068;ECI2;FAM50B	-0.58274	-4.10606	6.23E-05	0.034662
	-0.40447	-4.10211	6.33E-05	0.034953
MRPL23;TALDO1;CTSD;TSPAN4;IGF2;LRRC56;POLR2L;RASSF7 GALNS;PIEZO1;MAP1LC3B	-0.57078	-4.10183	6.33E-05	0.034953
	-0.94088	-4.10084	6.36E-05	0.034959
	0.456944	4.101135	6.35E-05	0.034959
	0.414231	4.100608	6.36E-05	0.034959
	-0.27722	-4.10164	6.34E-05	0.034953
	0.379007	4.098149	6.43E-05	0.035208
	0.375417	4.099237	6.40E-05	0.035103
	0.428664	4.094897	6.51E-05	0.035472
LINC00857	-0.59699	-4.09667	6.46E-05	0.035333
NDRG1;TMEM71;LRRC6	-0.52629	-4.09451	6.52E-05	0.035472
	0.367477	4.09253	6.57E-05	0.035629
	0.561683	4.094968	6.51E-05	0.035472
CLMN;AK7;DICER1-AS1	-0.42622	-4.0966	6.46E-05	0.035333
	-0.2923	-4.09267	6.56E-05	0.035629
SHANK2;LRTOMT;SHANK2-AS1;NUMA1;SHANK2-AS3;SHANK2- AS2	-0.63292	-4.0943	6.52E-05	0.035472
PTGES3;RBMS2;PIP4K2C;ARHGEF25;ENSG00000224713;ATP5B ;ARHGAP9;AGAP2	-0.36005	-4.08982	6.64E-05	0.035946
C16orf71;CDIP1;SMIM22;CORO7;GLYR1;SEC14L5;ENSG000002 66994;GLIS2;C16orf89	-0.38373	-4.08892	6.66E-05	0.035946
	-0.43965	-4.08935	6.65E-05	0.035946
SPATA13;TNFRSF19;MIPEP;ENSG00000228741;IPO7P2	-0.68868	-4.08887	6.66E-05	0.035946
	0.247562	4.08823	6.68E-05	0.035946
	-0.40403	-4.08844	6.67E-05	0.035946
ENSG00000249007;PTPN7;KIF21B	0.447216	4.084427	6.78E-05	0.036249
	-0.46858	-4.08528	6.76E-05	0.036249
MYCBPAP;FAM117A;MBTD1;ENSG00000248954;TOB1- AS1;ENSG00000249906;CACNA1G;CHAD	-0.39365	-4.08802	6.69E-05	0.035946
ENSG00000262003;SCARF1;ENSG00000225084;ENSG0000022 8133;YWHAE;GLOD4	-0.58765	-4.0835	6.81E-05	0.036249
MRPL37	0.349925	4.085054	6.76E-05	0.036249
	-0.51177	-4.08388	6.80E-05	0.036249
	0.457541	4.084852	6.77E-05	0.036249
	-0.4482	-4.08332	6.81E-05	0.036249
CCR1	-0.42067	-4.08365	6.80E-05	0.036249
ABHD2;HAPLN3;KIF7;CIB1;MFGE8;PEX11A;ACAN	0.385431	4.081288	6.86E-05	0.036428

ABRACL	0.383909	4.081118	6.87E-05	0.036428
	-0.31682	-4.08143	6.86E-05	0.036428
	0.498327	4.079932	6.90E-05	0.036507
ANAPC15;LRTOMT;ANO1;IL18BP	0.484312	4.07933	6.92E-05	0.036548
PIEZO1;GALNS;ZCCHC14;ENSG00000182376;ENSG00000224888;ENSG00000260121	-0.50246	-4.0806	6.88E-05	0.036456
	-0.34532	-4.07756	6.97E-05	0.036757
	0.407982	4.075983	7.01E-05	0.036848
PSMG3;GNA12	0.328622	4.07561	7.02E-05	0.036857
	0.426636	4.076183	7.00E-05	0.036848
	-0.39963	-4.07493	7.04E-05	0.036909
CCDC126	0.288946	4.074358	7.05E-05	0.036947
COL13A1				
WDR66;LRRC43;DNAH10;TCTN2;KNTC1;ABCB9;PITPNM2;RILPL2;BCL7A;ENSG00000251497;CLIP1;ENSG00000256546;DIABLO	-0.42575	-4.07387	7.07E-05	0.036973
	-0.54586	-4.07148	7.13E-05	0.037072
	-0.44135	-4.07103	7.15E-05	0.037072
ALG1L;KLF15	0.462849	4.072993	7.09E-05	0.037009
TMC8	-0.37825	-4.07018	7.17E-05	0.037072
WNT7B	0.450221	4.073408	7.08E-05	0.036994
	-0.60406	-4.06939	7.19E-05	0.037072
	-0.49575	-4.07042	7.16E-05	0.037072
GALNT10				
SLC23A1;SPATA24;IK;NRG2;PAIP2;CYSTM1;SRA1;NDUFA2;ECSC	-0.43249	-4.07711	6.98E-05	0.036777
R;CXXC5	-0.29993	-4.06906	7.20E-05	0.037072
SNORD3B-1;FLII	-0.71202	-4.06912	7.20E-05	0.037072
ARHGEF10	0.350183	4.069274	7.20E-05	0.037072
ENSG00000258699;TTC8;ENSG00000258752;SPATA7;EFCAB11;EML5;TDP1;ZC3H14	-0.48819	-4.06973	7.18E-05	0.037072
	0.476171	4.069644	7.18E-05	0.037072
	-0.44906	-4.06748	7.25E-05	0.037179
ENSG00000235159	-0.66363	-4.06832	7.22E-05	0.037103
	-0.26776	-4.06886	7.21E-05	0.037072
	0.375617	4.065349	7.31E-05	0.037312
PARP15;CD86	0.507271	4.068836	7.21E-05	0.037072
	0.391157	4.065674	7.30E-05	0.037312
	0.286831	4.065438	7.30E-05	0.037312
CEP41;SMO;UBE2H;NRF1;SMKR1;KLHDC10;IRF5;FLNC;TPI1P2	-0.70762	-4.06547	7.30E-05	0.037312
	0.473795	4.064477	7.33E-05	0.03735
	-0.73941	-4.06283	7.38E-05	0.037501
MARCH6;SEMA5A;ENSG00000251370;ENSG00000250001	-0.35465	-4.06128	7.42E-05	0.03764
LTBP3;RARRES3;C11orf95	-0.76147	-4.0648	7.32E-05	0.037347
FAM120B;WDR27;TBP	0.484896	4.060848	7.44E-05	0.037658
ATP2A3;ASPA;ENSG00000261863;TRPV3;RAP1GAP2;ARRB2;PLD2;ALOX15;MED11	-0.71609	-4.06317	7.37E-05	0.037497

ST3GAL2;IL34;NIP7;COG4;NQO1;SNTB2;ENSG00000260156	-0.42262	-4.06	7.46E-05	0.037734
	-0.27063	-4.0623	7.39E-05	0.037534
SIK3	0.492384	4.058761	7.50E-05	0.037828
DERL3	0.539594	4.058489	7.50E-05	0.037828
CALM1;RPS6KA5;CCDC88C;GPR68;TC2N;ENSG00000260711	-0.37128	-4.05973	7.47E-05	0.037734
SEC23B;DZANK1;OVOL2;LINC00493	-0.35756	-4.05536	7.60E-05	0.038202
	-0.31743	-4.05749	7.53E-05	0.037931
POLA2;MAP4K2;SLC29A2;CDC42EP2;EFEMP2	0.335232	4.053878	7.64E-05	0.038224
	-0.51678	-4.05264	7.68E-05	0.038224
	0.413587	4.054615	7.62E-05	0.038223
CMTM4;ZDHHC1;CDH5;TSNAXIP1;TPPP3;ENKD1;GFOD2;CES4A; LRRC36;RRAD;FAM65A;SLC12A4;ATP6V0D1;RANBP10;RLTPR;F AM96B;CMTM3;PLEKHG4;LCAT	-0.39586	-4.05283	7.67E-05	0.038224
	0.396292	4.05228	7.69E-05	0.038224
	-0.41304	-4.05157	7.71E-05	0.038231
GLIS2;PDPK1;CLUAP1	-1.15701	-4.05191	7.70E-05	0.038224
	-0.41347	-4.05216	7.69E-05	0.038224
ALDH3B1;UNC93B1;PITPNM1;TPCN2;FAM86C2P;ENSG000002 55306;MRGPRF;GSTP1;ENSG00000254610;SUV420H1;CDK2AP 2;ENSG00000251637	-0.44014	-4.05494	7.61E-05	0.03822
IFI27	-0.57856	-4.05428	7.63E-05	0.038224
HEYL;ZMPSTE24;TRIT1;PABPC4;SMAP2;CITED4;BMP8B	-0.48702	-4.05239	7.69E-05	0.038224
	-0.2844	-4.052	7.70E-05	0.038224
DARC;PVRL4;CADM3;F11R;KLHDC9;LY9;TSTD1;SLAMF1;ENSG00 000213080;AIM2;CCDC19;ENSG00000225670	-0.46676	-4.0511	7.72E-05	0.038257
	-0.27107	-4.05014	7.75E-05	0.038271
SRGAP3- AS2;GRM7;OXTR;OR7E122P;ENSG00000270207;SSUH2;GRM7- AS1	-0.59708	-4.05069	7.74E-05	0.038271
ENSG00000184566	-0.59714	-4.04933	7.78E-05	0.038271
	0.421274	4.049541	7.77E-05	0.038271
TJP3;GIPC3;ZFR2;TBXA2R;GNG7;GNA11;SF3A2;PIP5K1C;SPPL2B ;OAZ1;APBA3;ZNF555	-0.45091	-4.04949	7.77E-05	0.038271
ZDHHC13;HTATIP2;PRMT3;NELL1	-0.43103	-4.04914	7.78E-05	0.038271
	0.433642	4.047658	7.83E-05	0.038379
ZNF34	0.29063	4.047619	7.83E-05	0.038379
	0.484462	4.048931	7.79E-05	0.038271
	-0.40719	-4.04586	7.88E-05	0.038599
USP44;CCDC41;CRADD	-0.49931	-4.04515	7.91E-05	0.038662
KRT13;KRT23	-0.33339	-4.04348	7.96E-05	0.038826
PALM	-0.44359	-4.04246	7.99E-05	0.03889
CBFA2T3	-0.46957	-4.04347	7.96E-05	0.038826
	0.301963	4.04297	7.97E-05	0.038857
	-0.2069	-4.04174	8.01E-05	0.038955
	0.332549	4.040994	8.03E-05	0.03898



	-0.29894	-4.04034	8.05E-05	0.038991
	0.568524	4.041424	8.02E-05	0.038959
	0.393339	4.03815	8.12E-05	0.039191
GFM2;ANKDD1B	-0.68879	-4.03866	8.11E-05	0.039157
LRRC43;DNAH10;TCTN2;CCDC92;ABCB9;KNTC1;ENSG00000256546;MPHOSPH9;RILPL2;DNAH10OS;DIABLO;PITPNM2;EIF2B1	-0.51231	-4.0406	8.05E-05	0.038991
	-0.44336	-4.0371	8.16E-05	0.039246
FAM201A;ENSG00000233137;POLR1E;CNTNAP3;ANKRD18A;S				
NX18P3;TRMT10B;ZBTB5;ALDH1B1	-0.44206	-4.03904	8.10E-05	0.039144
	-0.48848	-4.03681	8.17E-05	0.039246
FARP1;ENSG00000269189	-0.38914	-4.03676	8.17E-05	0.039246
	0.522701	4.034863	8.23E-05	0.039468
	0.449167	4.036625	8.17E-05	0.039246
	-0.41305	-4.03457	8.24E-05	0.039468
FAM86JP	0.358972	4.03357	8.27E-05	0.039493
	-0.74979	-4.03392	8.26E-05	0.039483
C1orf194;GSTM3;GSTM5;LAMTOR5-				
AS1;STRIP1;CSF1;KCNC4;CELSR2;ATXN7L2;WDR47;GSTM4;GPS				
M2;SORT1;ENSG00000258634;CLCC1;PSMA5;SYPL2;SARS;SCAR				
NA2;KCNA2;LAMTOR5;PSRC1	-0.6368	-4.03431	8.25E-05	0.039468
TMEM14B	-0.41945	-4.03277	8.30E-05	0.039514
NXN;ENSG00000262003;GEMIN4;C17orf97	0.551528	4.03143	8.34E-05	0.039558
FAM83A;ZHX2;ENSG00000253336	-0.65846	-4.03229	8.31E-05	0.039514
	0.436088	4.032436	8.31E-05	0.039514
	-0.32127	-4.03159	8.33E-05	0.039558
	0.520284	4.030044	8.38E-05	0.039665
ENSG00000249112	0.196947	4.031004	8.35E-05	0.03958
	-0.34499	-4.02908	8.42E-05	0.039665
	0.396405	4.029317	8.41E-05	0.039665
	-0.54489	-4.02974	8.39E-05	0.039665
DUSP18;ENSG00000181123;CCDC157;SEC14L4;LIMK2;SDC4P;E				
NSG00000250318;SEC14L3;SMTN;EIF4ENIF1;SLC5A1;OSBP2;TB				
C1D10A;SFI1;YWHAH;ENSG00000273387;RNF215	-0.40353	-4.03293	8.29E-05	0.039514
PDK1;ENSG00000225205	-0.604	-4.02781	8.46E-05	0.039718
	-0.3792	-4.02742	8.47E-05	0.039718
ROPN1L;MARCH6;SEMA5A;ENSG00000272417;FAM173B	0.390933	4.028618	8.43E-05	0.039684
	-0.44317	-4.02902	8.42E-05	0.039665
ANXA4	0.368202	4.026139	8.51E-05	0.039718
	-0.27107	-4.02619	8.51E-05	0.039718
ACP1	0.439309	4.026769	8.49E-05	0.039718
	-0.542	-4.02501	8.55E-05	0.039805
	0.435723	4.026697	8.49E-05	0.039718
KRT23	0.32077	4.027322	8.47E-05	0.039718
ARHGEF10;MYOM2	-0.88638	-4.02661	8.50E-05	0.039718
NUDT5;CAMK1D;PHYH;UPF2	-0.4402	-4.02576	8.52E-05	0.039733

CYGB;EVPL;SRP68	-0.38785	-4.02399	8.58E-05	0.03992
SAMD12	-0.60553	-4.0226	8.63E-05	0.039962
	-0.49456	-4.02191	8.65E-05	0.040024
SOWAHB	-0.44589	-4.02262	8.63E-05	0.039962
	0.446415	4.022925	8.62E-05	0.039962
ST3GAL1	0.665629	4.023063	8.61E-05	0.039962
	0.526634	4.02025	8.71E-05	0.040176
	0.294753	4.019669	8.73E-05	0.0402
SLC45A4;TRAPPC9;PTP4A3;DENND3	-0.51883	-4.01857	8.77E-05	0.040328
HLA-E;PPP1R18;HLA-F-AS1	-0.36088	-4.02097	8.68E-05	0.040127
	0.317322	4.017408	8.80E-05	0.04038
	-0.31125	-4.01797	8.79E-05	0.040336
FAM126A;ENSG00000228649;FAM221A	-0.34693	-4.0201	8.71E-05	0.040176
CRTC3;ABHD2;CIB1;KIF7;FES;PEX11A;WDR93	-0.43172	-4.01685	8.82E-05	0.04038
	0.357116	4.01828	8.78E-05	0.04033
PRDX5;DNAJC4;TRPT1;TM7SF2;PLCB3;SF3B2;FRMD8;EFEMP2;Z				
NHIT2;CST6;CDCA5;EHBP1L1;LTBP3;PPP2R5B;SIPA1;MAP3K11;				
RPS6KA4;STIP1;NAALADL1;PPP1R14B;POLA2	-0.67187	-4.01686	8.82E-05	0.04038
GDF11;RBMS2;PTGES3;WIBG;ITGA7;SMARCC2;SARNP;NAB2;LR				
P1;CDK2	-0.55394	-4.01537	8.87E-05	0.040482
CPA3;ENSG00000224831;TM4SF18	-0.65485	-4.01582	8.86E-05	0.040482
CGNL1;TCF12	0.504861	4.01564	8.87E-05	0.040482
	-0.57416	-4.01432	8.91E-05	0.040583
	-0.54768	-4.01344	8.94E-05	0.040583
	0.421606	4.013225	8.95E-05	0.040583
	0.467482	4.012608	8.97E-05	0.040614
	0.375753	4.013631	8.93E-05	0.040583
IQCE;GNA12;MAD1L1;LFNG	-0.38873	-4.01358	8.94E-05	0.040583
	0.532849	4.011373	9.01E-05	0.040744
STX18	-0.51412	-4.01064	9.04E-05	0.040744
	0.383279	4.010026	9.06E-05	0.040744
TTC28;XBP1;EMID1;ZNRF3;ENSG00000226471;PITPNB;TTC28-				
AS1;THOC5	-0.52801	-4.01308	8.95E-05	0.040583
WBSCR22;TBL2;CLDN4;BCL7B;LINC00035	0.363721	4.009775	9.07E-05	0.040744
ZDHHC14	-0.38435	-4.00924	9.09E-05	0.040744
ARL3;CNNM2;SH3PXD2A;C10orf95;LDB1;GBF1;KCNIP2;TRIM8	-0.57497	-4.01033	9.05E-05	0.040744
GIMAP5;GIMAP7;GIMAP1;GIMAP4;GIMAP2;GIMAP8;GIMAP6;				
LINC00996	0.433668	4.008695	9.11E-05	0.040746
	0.383635	4.010207	9.05E-05	0.040744
	0.456335	4.009665	9.07E-05	0.040744
	-0.42965	-4.00906	9.09E-05	0.040744
	0.383348	4.009281	9.09E-05	0.040744
	0.345176	4.007399	9.15E-05	0.040864
ASPA;TRPV3;ENSG00000263050;HIC1;ATP2A3;C17orf85;P2RX5-				
TAX1BP3;P2RX1;ENSG00000262194	-0.60136	-4.00648	9.19E-05	0.040864

SLC44A4;VWA7;LY6G5C;NOTCH4;TNXB;NELFE;HSPA1L;C6orf10; TCF19;EHMT2;PBX2;ENSG00000225914;CLIC1;HSPA1A;DDR1;B AG6;CCHCR1	-0.54273	-4.00851	9.11E-05	0.040746
	-0.41774	-4.00672	9.18E-05	0.040864
	-0.45441	-4.00699	9.17E-05	0.040864
	-0.38767	-4.00641	9.19E-05	0.040864
	-0.34758	-4.00466	9.25E-05	0.041013
	-0.44614	-4.00416	9.27E-05	0.04105
	-0.71541	-4.00486	9.24E-05	0.041013
	0.2768	4.00569	9.21E-05	0.040935
DENND5B;METTL20;FAM60A;BICD1	-0.5404	-4.00197	9.35E-05	0.041186
	0.463787	4.003485	9.29E-05	0.041115
	-0.34676	-4.00309	9.31E-05	0.041135
	0.901814	4.001995	9.35E-05	0.041186
	-0.38323	-4.00256	9.33E-05	0.041177
LCK	0.382866	4.000701	9.39E-05	0.041304
MTG1	0.3652	4.000692	9.39E-05	0.041304
	0.3359	3.999505	9.44E-05	0.041451
IL16	-0.63391	-3.99833	9.48E-05	0.041513
	0.346032	3.999211	9.45E-05	0.041456
	0.314669	3.997935	9.49E-05	0.041533
FADS3;PTGDR2;RAB3IL1	0.473994	3.998743	9.46E-05	0.041488
	-0.36151	-3.99691	9.53E-05	0.041627
	-0.50021	-3.99519	9.59E-05	0.041804
HS3ST1	0.5281	3.996819	9.53E-05	0.041627
PTP4A3	-0.5013	-3.99519	9.59E-05	0.041804
POLD3;MAP6	0.32152	3.994148	9.63E-05	0.041868
	-0.34902	-3.994	9.64E-05	0.041868
ENSG00000272106;SSU72;FAM213B	0.304462	3.993016	9.68E-05	0.041985
	0.22134	3.994256	9.63E-05	0.041868
PTPRN2	0.421023	3.991288	9.74E-05	0.042215
	0.403585	3.991074	9.75E-05	0.042215
RCOR1;DIO3;ENSG00000232018;DIO3OS;MEG8	-0.61934	-3.98755	9.88E-05	0.042576
	0.287714	3.988128	9.86E-05	0.042576
ENSG00000260604;SLC22A23;ENSG00000233068;BPHL	-0.49918	-3.98774	9.87E-05	0.042576
	-0.62927	-3.98807	9.86E-05	0.042576
	0.519569	3.98621	9.93E-05	0.042753
TSSC1	-0.68759	-3.98493	9.98E-05	0.042879
CORO7;C16orf71;SMIM22;CDIP1;C16orf89;GLYR1;ENSG00000 266994	-0.43228	-3.98764	9.88E-05	0.042576
FKBP10;IGFBP4;KRT23;KRT15	-0.6906	-3.98587	9.95E-05	0.042767
HN1L;RGS11;TMEM204;NME4;SOX8;TPSD1;UNKL;ENSG000002 60807;CACNA1H;ENSG00000260051;RAB11FIP3;MSRB1	0.610504	3.983789	0.0001	0.042947
	0.265974	3.982691	0.000101	0.042947
EFCAB6;EFCAB6-AS1;TTLL1;ENSG00000233157;NFAM1;TTLL12	-0.43723	-3.98362	0.0001	0.042947

TLN2	-0.38137	-3.98199	0.000101	0.043021
	-0.37462	-3.98394	0.0001	0.042947
	-0.32696	-3.98286	0.000101	0.042947
COL15A1;NANS;TDRD7;FAM220CP;ENSG00000236896;GALNT12;ANKRD18CP;CCDC180;GABBR2	-0.46285	-3.98288	0.000101	0.042947
	-0.31791	-3.98019	0.000102	0.04322
RUNDC1;BECN1;TTC25;FKBP10;ACLY;TUBG2;PTRF;CNTNAP1;KRT15;PLEKHH3;MLX;ATP6V0A1;KAT2A;VPS25;RAMP2;AOC3;STAT3;COA3;COASY;CNTD1;LEPREL4;DHX58;PSME3;RAB5C;KRT31;RAMP2-AS1;HAP1;HMGN2P15 RNLS;STAMBPL1;FAS;ENSG00000235100;ACTA2-AS1 LINC00271;MYB;AH11;ENSG00000234084;MYB-AS1 NCKAP5	-0.41504	-3.98292	0.000101	0.042947
	-0.53222	-3.98034	0.000102	0.04322
	-0.55113	-3.98001	0.000102	0.04322
	0.359862	3.97965	0.000102	0.043237
	0.384683	3.977798	0.000103	0.043331
ENSG00000231980;ENSG00000233038;NCAPG2;PTPRN2;VIPR2;WDR60 C16orf93;ENSG00000260219;PHKG2;SETD1A;ZNF688;MVP;STX4 METTL24;LACE1;SMPD2;CD164;AK9;CCDC162P;C6orf183;ARMC2 TNXB;NOTCH4;C6orf10;NRM;ENSG00000225914 C8orf37;TP53INP1;NDUFAF6;PLEKHF2;ENSG00000253872;ENSG00000253773;ENSG00000253878	-0.5846	-3.9778	0.000103	0.043331
	-0.29845	-3.97789	0.000103	0.043331
	-0.61785	-3.97936	0.000102	0.043242
	-0.36027	-3.97744	0.000103	0.043347
	-0.44496	-3.97684	0.000103	0.043366
	0.27256	3.975749	0.000103	0.043459
	0.395348	3.97795	0.000103	0.043331
	0.356541	3.976188	0.000103	0.043429
	-0.40858	-3.97407	0.000104	0.043697
HSP90AA1;MOK;CKB;ENSG00000259508;ENSG00000260285;ENSG00000269958;WDR20;SNORA28;TRAF3 TCF21;EYA4;TBPL1;SLC2A12 FUOM RFX2;PTPRS	-0.44344	-3.97682	0.000103	0.043366
	0.374469	3.973509	0.000104	0.043749
	-0.60434	-3.97187	0.000105	0.043908
	0.292216	3.971701	0.000105	0.043908
	0.352029	3.971543	0.000105	0.043908
	0.313171	3.970131	0.000106	0.044071
	-0.31859	-3.97007	0.000106	0.044071
USP2- AS1;ENSG00000254561;USP2;OAF;PDZD3;CCDC153;MCAMDFFB	0.311189	3.972814	0.000105	0.043823
	-0.39113	-3.96842	0.000106	0.04423
	0.405722	3.968239	0.000106	0.04423
	-0.36443	-3.96905	0.000106	0.0442
THEM4;SELENBP1;POGZ;S100A11;HRNR;CGN;BNIP1;PSMD4 BAI1;PSCA;RHPN1-AS1;TOP1MT	-0.40804	-3.96812	0.000106	0.04423
	-0.3803	-3.96767	0.000107	0.044264
	0.431916	3.967387	0.000107	0.044269
	0.480114	3.965438	0.000108	0.044515
	-0.36766	-3.96509	0.000108	0.04453

	-0.49152	-3.96433	0.000108	0.044568
NOS2	-0.51464	-3.96473	0.000108	0.04455
IL1RN;TMEM87B;MERTK;FBLN7;CKAP2L	-0.4003	-3.96293	0.000109	0.044685
	-0.31424	-3.96412	0.000108	0.044568
ENSG00000228242;ENSG00000251576;TMEM43;RAF1;C3orf83;FGD5P1;IQSEC1	-0.51831	-3.96575	0.000107	0.044505
	-0.43897	-3.96236	0.000109	0.044697
	-0.40986	-3.96331	0.000108	0.044664
RER1	0.344232	3.961174	0.000109	0.044858
NEK2;BATF3	0.436545	3.96247	0.000109	0.044697
	0.361746	3.959875	0.00011	0.045039
UQCRC1	-0.34602	-3.95921	0.00011	0.045111
	0.364253	3.958115	0.000111	0.045257
	0.388606	3.957668	0.000111	0.045291
	0.477142	3.954979	0.000112	0.045673
	0.384642	3.953309	0.000113	0.045747
PIEZO1;GALNS;ZCCHC14;CBFA2T3;ENSG00000224888;ENSG0000260121	-0.68012	-3.95548	0.000112	0.045629
	-0.63592	-3.95291	0.000113	0.045775
VSNL1;KCNS3	-0.5343	-3.95349	0.000113	0.045747
DOPEY2	-0.49421	-3.95398	0.000112	0.045747
DNAH2;CYB5D1;TMEM107;WRAP53;AURKB;EFNB3;TNFSF13;SAT2	-0.46219	-3.95371	0.000113	0.045747
C22orf34;MAPK12;ENSG00000235111	-0.39792	-3.95112	0.000114	0.04599
TNNT2;PKP1;IPO9;CAMSAP2	0.480346	3.951319	0.000114	0.04599
	-0.2619	-3.95417	0.000112	0.045747
GALNT6	0.279891	3.949818	0.000114	0.046112
	0.449225	3.949546	0.000114	0.046112
	0.409004	3.949503	0.000114	0.046112
SHANK2;SHANK2-AS1;SHANK2-AS3;SHANK2-AS2	0.507287	3.947082	0.000115	0.046405
RNF223	0.494746	3.947371	0.000115	0.046402
ALDH3B1;UNC93B1;FAM86C2P;PITPNM1;ENSG00000255306;GSTP1;ENSG00000254610;AIP;ENSG00000251637;ALG1L8P;ALDH3B2;CDK2AP2;SUV420H1;CHKA	-0.43614	-3.95094	0.000114	0.04599
RASA3;GAS6;F10;PCID2;CDC16	-0.60106	-3.94809	0.000115	0.046319
	-0.39414	-3.9462	0.000116	0.046438
C16orf71;CDIP1;SMIM22;GLYR1;C16orf89;ENSG00000266994;GLIS2;SEC14L5;CORO7;SRL;ROGDI	-0.42217	-3.9455	0.000116	0.046473
	0.426575	3.946864	0.000116	0.046405
	-0.26836	-3.94399	0.000117	0.046611
TWF1P1;ANKRD13B;SDF2;FOXN1	-0.46393	-3.94613	0.000116	0.046438
ELMO1	-0.48695	-3.94459	0.000117	0.046548
	0.34255	3.945181	0.000116	0.046486
CAPN9;ABCB10;ENSG00000244137;FAM89A;RAB4A	-0.59447	-3.94594	0.000116	0.046438
	0.399589	3.943415	0.000117	0.046613
	0.24254	3.943585	0.000117	0.046613
MYO5C;MYO5A;DMXL2;TMOD2	-0.51501	-3.94325	0.000117	0.046613

TMEM204;RNPS1	0.373162	3.938968	0.000119	0.047225
	-0.31363	-3.94056	0.000118	0.04705
DFFB;CEP104;ENSG00000269896	-0.44103	-3.93836	0.000119	0.047238
	-0.31115	-3.93886	0.000119	0.047225
	-0.64095	-3.93905	0.000119	0.047225
TNXB;SLC44A4;HLA-DOB	-0.35921	-3.93696	0.00012	0.047304
	0.462461	3.938129	0.000119	0.047238
	0.371813	3.938055	0.000119	0.047238
ERBB3;RPS26;RBMS2	0.509267	3.937359	0.00012	0.047277
	-0.60311	-3.93753	0.00012	0.047277
	0.364462	3.936013	0.00012	0.047385
LIFR	0.444506	3.936533	0.00012	0.047339
	0.443625	3.934678	0.000121	0.047456
	0.524034	3.934898	0.000121	0.047456
CARS;NAP1L4	-0.96837	-3.93579	0.000121	0.047385
	-0.36809	-3.93485	0.000121	0.047456
PLEKHG4B	-1.01102	-3.93299	0.000122	0.047615
NUGGC;FBXO16;LINC00589	-0.46978	-3.93442	0.000121	0.047459
RHOBTB2	0.42507	3.933575	0.000122	0.047569
SDCBP2	-0.83213	-3.93242	0.000122	0.047615
	0.389836	3.931944	0.000122	0.047648
GJC1;MEOX1;ENSG00000267002;MPP3;GFAP;GPATCH8;BRCA1 ;MPP2;FZD2;NMT1;NAGS;ETV4;ENSG00000267505;ENSG0000 0267595;UBTF;VAT1	-0.66603	-3.9312	0.000123	0.047696
	-0.31323	-3.93252	0.000122	0.047615
	0.413832	3.931202	0.000123	0.047696
MIA3;FAM177B;BROX	-0.60068	-3.93035	0.000123	0.047701
EXD2	-0.46616	-3.93022	0.000123	0.047701
SMPD3;ZFP90;TANGO6;SNTB2;HAS3;NQO1;CDH3;WWP2;SLC7 A6; CIRH1A	-0.62486	-3.93236	0.000122	0.047615
	0.517904	3.930328	0.000123	0.047701
TRAF3IP1;COL6A3;MLPH;RAB17;ENSG00000232306;LINC0110 7;HES6	-0.56589	-3.92904	0.000124	0.047829
	0.276151	3.928433	0.000124	0.047877
	-0.22335	-3.92908	0.000124	0.047829
CDKN1A;RNF8;PI16	-0.58909	-3.93027	0.000123	0.047701
COL16A1;SDC3;TINAGL1	-0.54892	-3.92718	0.000125	0.047877
HOXB1;PRR15L;HOXB4;TBKBP1	-0.50008	-3.92712	0.000125	0.047877
LCNL1;PTGDS;GPSM1;UBAC1;UAP1L1;ENSG00000264527;TUB B4B;CAMSAP1;EGFL7;C9orf163;RNF224;INPP5E;NOTCH1;QSOX 2;SLC34A3;AGPAT2;C9orf69;FAM166A;C9orf142;SNAPC4;MAN 1B1;SEC16A	-0.3373	-3.92735	0.000124	0.047877
HHIPL1;DEGS2;EML1	-0.50736	-3.92809	0.000124	0.047877
ABHD12B;CDKL1;NIN;FRMD6;PYGL;ATP5S;ENSG00000258946;L INC00640	-0.4812	-3.92716	0.000125	0.047877
ENSG00000267275;NWD1;C19orf44;OCEL1;RPL18A;TPM4;COL GALT1	-0.36794	-3.92752	0.000124	0.047877

TSPAN15;TET1;PBLD	-0.49858	-3.92593	0.000125	0.048052
SOAT1;KIAA1614;AXDND1;QSOX1;STX6;XPR1;CEP350;ENSG0000234237	-0.37245	-3.92517	0.000125	0.048092
RDH10	0.393614	3.924929	0.000126	0.048092
FYB	-0.45188	-3.92421	0.000126	0.048108
	0.529901	3.924531	0.000126	0.048092
	-0.32049	-3.92291	0.000127	0.048174
	0.332264	3.923904	0.000126	0.048121
KIAA0513;FAM92B;ATP2C2;C16orf74;CRISPLD2;USP10;ENSG00000262601	-0.54933	-3.92466	0.000126	0.048092
	0.293657	3.923244	0.000126	0.048156
SEZ6;TLCD1;TRAF4	-0.32464	-3.92467	0.000126	0.048092
DHX32;FANK1;FANK1-AS1;ADAM12;BCCIP;LHPP	-0.46667	-3.92326	0.000126	0.048156
	0.430664	3.922028	0.000127	0.048294
CITED4;NFYC;SMAP2	-0.72664	-3.9208	0.000128	0.048477
JAK3;IL12RB1;FCHO1	-0.58295	-3.91997	0.000128	0.048587
	-0.25969	-3.91842	0.000129	0.048642
	0.329987	3.918138	0.000129	0.048642
TRIP13;NKD2;TPPP;NDUFS6;SLC12A7;LPCAT1;SDHAP3;MRPL36	-0.5268	-3.91785	0.000129	0.048642
GAS6;MCF2L;TMEM255B;TMCO3	0.378235	3.918524	0.000129	0.048642
	0.277574	3.918328	0.000129	0.048642
SECTM1;NPLOC4	0.377768	3.91875	0.000129	0.048642
	-0.37567	-3.91673	0.00013	0.048799
SCAMP2;COX5A;ISLR;RPP25	-0.73645	-3.91646	0.00013	0.048807
TTC21A;XYLB	-0.66187	-3.91781	0.000129	0.048642
	-0.37953	-3.91917	0.000128	0.048642
	-0.62768	-3.91564	0.00013	0.048915
GFPT1	0.438642	3.914198	0.000131	0.049018
RHD;ENSG00000261349	-0.41519	-3.91417	0.000131	0.049018
	-0.59235	-3.91436	0.000131	0.049018
	-0.31413	-3.91304	0.000131	0.049028
DNAJC16;KAZN;FHAD1;ENSG00000228140;AGMAT;DDI2;ENSG00000237301	-0.70438	-3.91405	0.000131	0.049018
ENSG00000141854;RASAL3;TECR	-0.46496	-3.91302	0.000131	0.049028
SRGAP3-AS2;JAGN1	-0.41224	-3.91275	0.000132	0.049028
ADD1;ENSG00000206113;HAUS3;ENSG00000249428	0.404049	3.913759	0.000131	0.049018
	0.398363	3.912735	0.000132	0.049028
TTC22	-0.28537	-3.91371	0.000131	0.049018
	-0.28001	-3.91196	0.000132	0.049117
	0.395939	3.911115	0.000132	0.049159
SLC20A2;AP3M2;SMIM19;VDAC3	-0.54483	-3.9114	0.000132	0.049149
	0.556027	3.911798	0.000132	0.049117
RAD52;ENSG00000249028;B4GALNT3	0.324052	3.909397	0.000133	0.04933
MKRN1	-0.47324	-3.91066	0.000133	0.049202
	0.408425	3.909284	0.000133	0.04933

IQCE;SUN1;HEATR2;MAD1L1;PSMG3-AS1;PSMG3;ELFN1;PRKAR1B;CYP2W1	-0.66177	-3.90938	0.000133	0.04933
	0.339903	3.908346	0.000134	0.049464
	0.382367	3.907946	0.000134	0.049496
	0.302842	3.907229	0.000134	0.049545
PPP1R3B	-0.53238	-3.90769	0.000134	0.049501
APITD1;CASZ1;UBE4B;FBXO6	-0.4742	-3.90579	0.000135	0.049773
LAMB2;BSN;KLHDC8B;MAP4;USP4;UCN2;SLC26A6;COL7A1;PRKAR2A	0.482202	3.905432	0.000135	0.049798
FUOM	-0.8414	-3.90271	0.000137	0.050185
	0.339495	3.90405	0.000136	0.049974
ROBO4;ESAM;PKNOX2;VSIG2;SIAE	0.364018	3.901943	0.000137	0.050245
CD97;ENSG00000141854;PODNL1;SYDE1;NOTCH3;EMR3;C19orf57	0.608055	3.904743	0.000136	0.049886
PIEZO1	0.277208	3.901995	0.000137	0.050245
NAA20	-0.36948	-3.90086	0.000138	0.050361
ENSG00000253320;NCALD;ENSG00000247081;AZIN1;ENSG0000253385;ENSG00000254281	-0.36237	-3.90063	0.000138	0.050361
DOPEY2;DSCR3	-0.4355	-3.90005	0.000138	0.050392
CDYL	0.475071	3.901568	0.000137	0.050274
	0.785606	3.898964	0.000139	0.05043
	0.770685	3.898498	0.000139	0.05043
	0.445481	3.898847	0.000139	0.05043
CXCL12;C10orf10;ZFAND4;MARCH8;RASSF4	-0.30375	-3.90043	0.000138	0.050361
PDGFA;HEATR2;PSMG3-AS1;SUN1;ENSG00000249574	-0.49633	-3.8997	0.000138	0.050415
EFCAB8;CBFA2T2	-0.54284	-3.89765	0.000139	0.05055
AKAP9;TFPI2;GNG11	-0.50936	-3.89852	0.000139	0.05043
ARHGEF38;ENSG00000250522;ARHGEF38-IT1;AIMP1	-0.39512	-3.89938	0.000138	0.05043
DNAJC16	0.371845	3.897075	0.00014	0.050574
CDIP1;GLIS2;ENSG00000262686	-0.36929	-3.89731	0.000139	0.050571
	0.393483	3.896586	0.00014	0.050594
TMOD3;MAPK6;CYP19A1;MYO5C;TMOD2;GLDN	-0.75556	-3.8956	0.00014	0.050643
DPEP2;RLTPR	-0.27039	-3.89638	0.00014	0.050594
GRAP2	-0.30508	-3.8948	0.000141	0.050667
	0.334942	3.895928	0.00014	0.050623
C22orf34;ENSG00000213279;MAPK12;ENSG00000235111;RABL2B;MAPK11;PLXNB2	-0.38176	-3.89501	0.000141	0.050667
	0.30263	3.894375	0.000141	0.050707
	0.385112	3.895193	0.000141	0.050667
CAPN5	0.66304	3.896299	0.00014	0.050594
KBTBD12	-0.62604	-3.89288	0.000142	0.050891
	-0.37164	-3.89362	0.000141	0.050809
	0.35885	3.892754	0.000142	0.050891
ATG9B	-0.53299	-3.89183	0.000142	0.050983
CAMTA1;SLC45A1	-0.32718	-3.89205	0.000142	0.050983
TEX30	-0.55669	-3.8913	0.000143	0.051035
	0.403055	3.890265	0.000143	0.051115



DZIP1;DNAJC3-AS1;GPR180;GPC6;DCT	-0.50946	-3.88927	0.000144	0.051222
PTGDS;GPSM1;UAP1L1;TUBB4B;EGFL7;C9orf163;LCNL1;AGPAT				
2;DNLZ;MAN1B1	-0.37952	-3.8893	0.000144	0.051222
MEIS3P2;DHRS7B	-0.42354	-3.89075	0.000143	0.051065
	-0.59504	-3.89112	0.000143	0.051035
WDR45B;NOTUM;LRRC45	-0.47509	-3.88797	0.000145	0.051389
PLCD3;MAP3K14;MAPT;ENSG00000267288;HEXIM1;ACBD4;N				
MT1	-0.74851	-3.88875	0.000144	0.05128
	-0.42121	-3.88643	0.000145	0.051544
	-0.41194	-3.88571	0.000146	0.051574
	-0.50342	-3.8863	0.000145	0.051544
	0.359585	3.885952	0.000146	0.051568
	-0.43422	-3.88686	0.000145	0.051544
	0.398428	3.886383	0.000145	0.051544
	-0.35267	-3.88457	0.000146	0.051752
PSMD1	0.279614	3.883315	0.000147	0.05187
	-1.02088	-3.88387	0.000147	0.051846
TSPAN5	-0.39787	-3.88157	0.000148	0.052083
TSPAN1;LURAP1;TAL1;AKR1A1;PRDX1	0.372559	3.881172	0.000148	0.052083
CYB5D1;DNAH2;WRAP53;EFNB3;TMEM107;SLC2A4;KIAA0753;				
TEKT1	-0.58733	-3.88114	0.000148	0.052083
	0.686275	3.882147	0.000148	0.052057
	-0.26219	-3.88182	0.000148	0.052078
TMEM181;SERAC1;DYNLT1;EZR	-0.31264	-3.88028	0.000149	0.052125
SPINT1	-0.35293	-3.8804	0.000149	0.052125
	0.423032	3.880419	0.000149	0.052125
	0.409904	3.879979	0.000149	0.052141
ARHGAP39;MAPK15;FAM83H-				
AS1;ZNF34;TONSL;PPP1R16A;C8orf82;ZNF7;ENSG0000025497				
3;ZNF250;ENSG00000214733;DGAT1;RECQL4;ZNF16;GRINA	-0.54681	-3.88361	0.000147	0.051854
	0.405838	3.878571	0.00015	0.05229
TNXB	-0.34107	-3.87874	0.00015	0.05229
	-0.68581	-3.87909	0.000149	0.052273
	0.441257	3.876394	0.000151	0.052602
MYO1D;CDK5R1;C17orf75	-0.63902	-3.87734	0.00015	0.052492
ZNF141;TACC3;LETM1;HAUS3;CTBP1-AS2	-0.63587	-3.87592	0.000151	0.052602
CCDC37;CHCHD6;ROPN1B;HEG1;FAM86JP;ALG1L;ALDH1L1;SN				
X4	-0.578	-3.87615	0.000151	0.052602
TXNL4A	0.30504	3.876022	0.000151	0.052602
	0.466698	3.873921	0.000152	0.052807
PTP4A3;BAI1	0.46584	3.873629	0.000153	0.052807
C17orf97;RPH3AL;ENSG00000262003;FAM101B	-0.71135	-3.87348	0.000153	0.052807
GPR97;KATNB1;CCDC135;CCDC113;C16orf80;NDRG4	-0.32196	-3.87381	0.000152	0.052807
C5orf49;FASTKD3;MTRR	-0.58977	-3.87485	0.000152	0.05277
ALDH1L1;ROPN1B	-0.43182	-3.87387	0.000152	0.052807
	-0.38718	-3.87295	0.000153	0.05285

	-0.32801	-3.87245	0.000153	0.052871
	0.443037	3.872199	0.000153	0.052871
	-0.53807	-3.87338	0.000153	0.052807
PTPRT;PLCG1;EMILIN3;ZHX3;MAFB	-0.68196	-3.87241	0.000153	0.052871
PCYT2;CCDC40;NOTUM;LRRC45;MAFG- AS1;LINC00482;ENSG00000261924;BAIAP2- AS1;TMEM105;GAA;C17orf70	-0.38212	-3.87177	0.000154	0.052884
SLC44A4;PPP1R18;CLIC1;NOTCH4;C6orf10;NELFE;HSPA1A;TNX B;FKBP1;HCP5;DDR1	0.427143	3.870856	0.000154	0.052884
PRR15;CHN2;ENSG00000223813	-0.55683	-3.8713	0.000154	0.052884
FGD2	0.546015	3.869895	0.000155	0.052884
	0.39828	3.870706	0.000154	0.052884
	-0.38365	-3.87056	0.000154	0.052884
	0.505427	3.870536	0.000154	0.052884
	-0.38997	-3.87015	0.000155	0.052884
	0.412329	3.870015	0.000155	0.052884
	0.402494	3.869294	0.000155	0.052884
	0.264265	3.869266	0.000155	0.052884
NPPC;UGT1A8;ENSG00000248705	0.451304	3.868736	0.000155	0.052884
ITPKB;C1orf95	0.392309	3.86896	0.000155	0.052884
ACP1	0.32576	3.869663	0.000155	0.052884
	0.448433	3.869475	0.000155	0.052884
	-0.52548	-3.86748	0.000156	0.05299
KPNA7;ENSG00000243554;BRI3;BAIAP2L1	-0.46427	-3.86736	0.000156	0.05299
	0.287758	3.868826	0.000155	0.052884
	-0.27543	-3.86778	0.000156	0.05299
	0.301549	3.865575	0.000157	0.053046
YWHAZP2	-0.47487	-3.8678	0.000156	0.05299
	0.470069	3.865784	0.000157	0.053046
	0.45322	3.866625	0.000157	0.053046
	-0.35802	-3.86595	0.000157	0.053046
	0.575103	3.865958	0.000157	0.053046
	-0.43005	-3.86477	0.000158	0.053046
NCALD;ENSG00000253320;ENSG00000247081;AZIN1;BAALC;E NSG00000254281;ENSG00000246263;CTHRC1;RRM2B	-0.87568	-3.86571	0.000157	0.053046
TRIM16;ADORA2B;MPRIIP;COPS3;ENSG00000251537;FLCN;TRP V2;NT5M	-0.72628	-3.86419	0.000158	0.053067
	0.201301	3.865487	0.000157	0.053046
ADPRHL1;F10;TUBGCP3	-0.28803	-3.86522	0.000157	0.053046
MISP;KLF16	0.605681	3.864786	0.000158	0.053046
	-0.33616	-3.86406	0.000158	0.053067
DNAJC18;PCDHB9;WDR55;ZMAT2;ECSCR;PCDHB18;PCDHB7;IK; NDUFA2;SPATA24;SRA1;PCDHB12	-0.46395	-3.86382	0.000158	0.053067
GRIN3B;ENSG00000129951;PALM;PPAP2C;FSTL3;GPX4;CNN2; MIER2;ARID3A	-0.47257	-3.86495	0.000158	0.053046

ENSG00000206113;ENSG00000248399;ENSG00000249428;ENSG00000243894;SH3BP2	-0.80264	-3.86379	0.000158	0.053067
SYDE1;CD97;ENSG00000141854;PODNL1;NOTCH3	0.645584	3.863625	0.000158	0.053067
	-0.52716	-3.86257	0.000159	0.053236
CCDC88C;CALM1;TC2N;ENSG00000260711;FBLN5	-0.54741	-3.86219	0.000159	0.053265
	-0.36419	-3.86068	0.00016	0.053404
VPS37C	-0.24808	-3.8612	0.00016	0.05335
	-0.30564	-3.85986	0.000161	0.053404
MRGPRF;CARNS1;NDUFA3P2	-0.43818	-3.85975	0.000161	0.053404
	0.238563	3.860016	0.000161	0.053404
	0.448054	3.859419	0.000161	0.053411
APOBEC4;NCF2;LAMC2;SMG7;LAMC1;NMNAT2	-0.44311	-3.86201	0.000159	0.053265
PDCD6;NKD2;TPPP;LPCAT1;SDHA;TRIP13	-0.58643	-3.85966	0.000161	0.053404
DUSP4;TMEM66;FBXO16;FZD3;LINC00589	-0.44544	-3.8597	0.000161	0.053404
	-0.22403	-3.85809	0.000162	0.05363
	0.356092	3.857409	0.000162	0.05363
ABHD11;CLDN3;WBSCR22;CLDN4;LAT2	0.351948	3.857709	0.000162	0.05363
	-0.5273	-3.86117	0.00016	0.05335
CENPM;TTLL1;EFCAB6;MCAT;SMDT1;BIK;NHP2L1	-0.39372	-3.85667	0.000163	0.053717
SECTM1;PYCR1;LINC00482;NPLOC4;TMEM105	-0.38308	-3.85548	0.000163	0.053916
	0.17458	3.8573	0.000162	0.05363
WDR66;DNAH10;TCTN2;LRRC43;ABCB9;KNTC1;PITPNM2;RILPL2;MPHOSPH9;ZCCHC8;DIABLO;ENSG00000251497	-0.52449	-3.85783	0.000162	0.05363
	0.356863	3.854855	0.000164	0.053956
LPO	-0.3895	-3.85466	0.000164	0.053956
HEATR2;PSMG3-AS1;SUN1;FAM20C;PDGFA;MAD1L1	-0.4805	-3.85522	0.000164	0.053926
DACH1	-0.3656	-3.85427	0.000164	0.053994
TRAK1;FAM198A;ZBTB47;ULK4;CCDC13-AS1;HHATL-AS1;ZNF662	-0.51399	-3.85325	0.000165	0.054083
NRXN2;CCDC88B;STIP1;RASGRP2	-0.25973	-3.85329	0.000165	0.054083
HSPA13;RBM11	-0.88572	-3.85252	0.000165	0.054083
	0.209334	3.853154	0.000165	0.054083
	0.340887	3.852293	0.000165	0.054083
	0.401149	3.852565	0.000165	0.054083
	0.346461	3.852196	0.000165	0.054083
	-0.58358	-3.85263	0.000165	0.054083
	0.180732	3.851579	0.000166	0.054167
	0.376812	3.850727	0.000166	0.054227
THEM4;BNIPL;SELENBP1;CGN;SEMA6C;PSMD4;S100A11;HRNR	0.763252	3.850602	0.000166	0.054227
	0.327595	3.849044	0.000167	0.05427
	0.289346	3.849885	0.000167	0.054227
SPSB1;SLC45A1	-0.37788	-3.84966	0.000167	0.054227
	0.686342	3.849345	0.000167	0.05425
	0.319001	3.850148	0.000167	0.054227
	0.381345	3.849976	0.000167	0.054227
CITED4;HIVEP3;SMAP2	-0.58136	-3.84982	0.000167	0.054227

	0.475547	3.84799	0.000168	0.054415
	0.183503	3.850182	0.000167	0.054227
	0.331215	3.84793	0.000168	0.054415
	0.414778	3.847414	0.000168	0.054438
RASAL3;SYDE1;AP1M1	-0.39244	-3.8459	0.000169	0.054506
	0.42465	3.847677	0.000168	0.054426
P2RX4;CLIP1	-0.43468	-3.84647	0.000169	0.054506
ADAMTSL2;GBGT1;SARDH;SLC2A6;DBH- AS1;GTF3C5;SURF2;MED22;RALGDS;CACFD1	-0.54643	-3.84594	0.000169	0.054506
SEC14L1;UBALD2;ST6GALNAC2;RNF157;LINC00338;RHBDF2;EN SG00000267506	-0.45553	-3.84702	0.000169	0.054477
	0.249851	3.845875	0.000169	0.054506
	-0.52704	-3.84378	0.000171	0.054895
ENSG00000261574	0.263196	3.845885	0.000169	0.054506
	-0.27556	-3.84259	0.000171	0.055098
TSPAN4;LRRC56;DEAF1;TALDO1;IFITM3;ENSG00000250397;EN SG00000251661;RASSF7;MOB2;MUC5AC;B4GALNT4	-0.35746	-3.84235	0.000172	0.055106
	0.44568	3.840679	0.000173	0.055412
	0.377002	3.839446	0.000173	0.055585
	-0.61894	-3.83989	0.000173	0.055533
CMIP;GAN	-0.45827	-3.83875	0.000174	0.055688
SSR3	-0.50138	-3.83825	0.000174	0.055732
WDR45B;TBCD	-0.40187	-3.83814	0.000174	0.055732
COA7	-0.66026	-3.83712	0.000175	0.055904
THEM4;CGN;BNIPL;SELENBP1;PSMD4;S100A11;SEMA6C;ENSGO 0000234614	0.745021	3.836141	0.000176	0.056012
	0.476034	3.835322	0.000176	0.056012
	0.401527	3.835571	0.000176	0.056012
PDZRN3;PDZRN3-AS1;GXylT2;SHQ1;PPP4R2	-0.39885	-3.8363	0.000176	0.056012
	0.288542	3.835211	0.000176	0.056012
	0.365069	3.835213	0.000176	0.056012
NME4;MSLN;CACNA1H;RGS11;SOX8;TMEM204;ENSG0000019 6674;ENSG00000260807;TPSD1;ENSG00000261659;RAB11FIP 3	-0.49729	-3.83369	0.000177	0.056248
SRPK2;RINT1;EFCAB10;CDHR3	0.330485	3.834453	0.000177	0.056129
ENSG00000163075;INHBB;ENSG00000229326;PTPN4;RALB	-0.75198	-3.83578	0.000176	0.056012
	-0.48341	-3.83226	0.000178	0.056408
STYXL1;ENSG00000227038;RHBDD2;HIP1;POR;DTX2	-0.48383	-3.83214	0.000178	0.056408
NPR1;ATP8B2;GATAD2B;S100A6;JTB;CREB3L4;C1orf43;DENND 4B;SNAPIN	-0.62057	-3.83256	0.000178	0.056403
	-0.42525	-3.83091	0.000179	0.056542
	0.429449	3.831549	0.000179	0.056449
TBX18;PKMP3;KIAA1009	-0.33907	-3.83314	0.000178	0.056322
ZNF432;C19orf48;ZNF614;JOSD2;FPR1;ZNF615;ENSG00000167 765	-0.53342	-3.83176	0.000179	0.056446

BAIAP2;PCYT2;CCDC40;BAIAP2-AS1;SLC25A10	-0.54247	-3.8301	0.00018	0.056671
	0.319869	3.82966	0.00018	0.056697
TPPP;NKD2;LPCAT1;TRIP13;AHRR;PDCD6	0.496063	3.829589	0.00018	0.056697
	0.297035	3.829097	0.00018	0.056759
ENSG00000217801	-0.39971	-3.82787	0.000181	0.056861
ST6GALNAC1;SPHK1;ICT1;MRPS7;CASKIN2;SNHG16;SRP68;SMI M6	-0.40352	-3.82702	0.000182	0.056861
	-0.35128	-3.82746	0.000181	0.056861
ZNF607;ZNF569;SIRT2;ENSG00000267640;RYR1;PPP1R14A;EN SG00000225868	-0.46684	-3.82669	0.000182	0.056861
CASP7;AFAP1L2;PLEKHS1	-0.63455	-3.8267	0.000182	0.056861
C1QTNF7;ENSG00000251379;FGFBP1;PROM1	0.59672	3.827274	0.000182	0.056861
	0.432101	3.826714	0.000182	0.056861
	-0.44531	-3.8276	0.000181	0.056861
RTN3	-0.33668	-3.82625	0.000182	0.056861
MOCS1;ENSG00000235033;DAAM2	0.416357	3.826072	0.000182	0.056861
	0.31671	3.826211	0.000182	0.056861
	0.319613	3.826365	0.000182	0.056861
	-0.24562	-3.82522	0.000183	0.056962
LRRC63;GTF2F2	-0.47197	-3.8272	0.000182	0.056861
	0.359576	3.824703	0.000183	0.056962
SLC44A4;VWA7;LY6G5C;NELFE;NOTCH4;HSPA1L;TNXB;TCF19;C 6orf10;ENSG00000225914;EHMT2;CLIC1;PBX2;HSPA1A;HNRNP A1P2;ENSG00000272221;BAG6;CCHCR1	-1.14568	-3.82493	0.000183	0.056962
	-0.51075	-3.82462	0.000183	0.056962
SEC22B	0.401138	3.825149	0.000183	0.056962
CCM2;MYO1G;AEBP1	-0.37914	-3.82407	0.000184	0.056996
ZNF532;ATP8B1;NARS;CCBE1;MALT1	-0.55353	-3.82425	0.000184	0.056996
ENSG00000198843;RNF13	0.416159	3.822637	0.000185	0.057137
	-0.38563	-3.8233	0.000184	0.05712
	0.331429	3.821973	0.000185	0.057196
	0.308752	3.822918	0.000185	0.057137
C14orf79;ADSSL1;INF2;IGHV3-23;IGHV3-21;JAG2;CRIP1;IGHV3- 7;CDCA4;TMEM121;IGHV3-15;IGHA2	-0.94484	-3.82283	0.000185	0.057137
SH2D2A;FCRL5;HDGF;FCRL2	0.284411	3.821144	0.000186	0.057281
TAL1;TSPAN1;CMPK1;PRDX1;ENSG00000226252;TMEM69;MK NK1;CYP4B1;GPBP1L1;IPP	0.346179	3.820849	0.000186	0.057281
ASPA;ENSG00000263050;HIC1;C17orf85;TRPV3;P2RX1;ENSG00 000262758	-0.41896	-3.82133	0.000186	0.057281
	0.29325	3.820802	0.000186	0.057281
	-0.4424	-3.822	0.000185	0.057196
	-0.26405	-3.81972	0.000187	0.057472
ASPA	0.394814	3.818592	0.000188	0.057631
CARD8;PLA2G4C;TEAD2;HRC;PRRG2;RCN3;RASIP1;FUT2;RRAS; CYTH2;RUVBL2;CPT1C;EMP3;HSD17B14;FCGRT;FAM83E;VRK3; PIH1D1	-0.44515	-3.81888	0.000187	0.05761

H2AFY;SAR1B	-0.49345	-3.81836	0.000188	0.05764
ENSG00000262877;SECTM1;LINC00482;RPTOR	0.311503	3.817362	0.000188	0.05773
TBCD	-0.43693	-3.81778	0.000188	0.057723
	-0.37114	-3.81694	0.000189	0.057779
	-0.34852	-3.81755	0.000188	0.05773
	-0.32698	-3.81602	0.000189	0.057812
	-0.24334	-3.81632	0.000189	0.057812
	-0.36424	-3.81658	0.000189	0.057812
	0.369234	3.81583	0.000189	0.057812
	-0.28632	-3.81553	0.00019	0.057835
	0.42682	3.815859	0.000189	0.057812
SCARB1;LINC00939;BRI3BP	-0.41826	-3.81478	0.00019	0.057915
TMC8	-0.5751	-3.81456	0.00019	0.057922
	-0.41897	-3.81398	0.000191	0.058004
SLCO4A1;OSBPL2;GATA5;CABLES2;LAMA5	-0.57167	-3.81486	0.00019	0.057915
	-0.29212	-3.81376	0.000191	0.058004
	0.315383	3.813603	0.000191	0.058004
IL32;UBE2I;TPSB2;TPSAB1;FLYWCH1	-0.37811	-3.81311	0.000191	0.058035
HLA-DOA;TAP2;HLA-DMA	0.501096	3.81266	0.000192	0.058044
SPATS2;CACNB3;FMNL3	0.255636	3.811694	0.000192	0.058048
	0.401547	3.813083	0.000191	0.058035
DNAJC16;KAZN;FHAD1;DDI2;ENSG00000228140;FBLIM1	-0.37509	-3.81286	0.000192	0.058041
HES6	-0.58011	-3.81133	0.000193	0.058066
	0.429353	3.811996	0.000192	0.058048
ENSG00000271553;GCC1	-0.44899	-3.81173	0.000192	0.058048
	-0.36667	-3.81187	0.000192	0.058048
	-0.50505	-3.81181	0.000192	0.058048
STARD10	-0.34434	-3.81041	0.000193	0.058086
	-0.38664	-3.81123	0.000193	0.058066
	-0.39813	-3.80949	0.000194	0.058086
	0.321258	3.809554	0.000194	0.058086
	0.212467	3.809924	0.000194	0.058086
	0.33871	3.809868	0.000194	0.058086
	0.364688	3.809489	0.000194	0.058086
	-0.45706	-3.80903	0.000194	0.058086
	0.237793	3.809143	0.000194	0.058086
	0.436323	3.810701	0.000193	0.058086
FUT2	0.325014	3.808879	0.000194	0.058086
BAIAP2L1;ZNF3;ZKSCAN1;KPNA7;GAL3ST4;AP4M1;BUD31;STA				
G3;ENSG00000272950;ENSG00000239521;LMTK2;TMEM130;				
CPSF4;ARPC1A	-0.32471	-3.80933	0.000194	0.058086
ENSG00000269696	0.517947	3.808381	0.000195	0.058153
NUBPL;HEATR5A;HECTD1;SCFD1;ENSG00000257831;AP4S1	-0.77662	-3.80902	0.000194	0.058086
	0.556167	3.807537	0.000195	0.058296
	0.394199	3.806587	0.000196	0.058421
	-0.50259	-3.80687	0.000196	0.0584

PRR15;INMT;AQP1;GGCT;CHN2;ADCYAP1R1;ZNRF2;MTURN;ENSG00000223813	-0.4313	-3.80634	0.000196	0.058435
ENSG00000239521;STAG3;PCOLCE;MUC12;GNB2;GAL3ST4;EPHB4	-0.57709	-3.80532	0.000197	0.058493
RPS3AP26	-0.42109	-3.80488	0.000197	0.058508
	-0.34146	-3.80539	0.000197	0.058493
	0.364896	3.805325	0.000197	0.058493
SLC34A3	-0.24095	-3.80499	0.000197	0.058508
	-0.3677	-3.80585	0.000197	0.058493
	-0.31857	-3.80352	0.000198	0.058634
	0.443486	3.803723	0.000198	0.058634
TEKT2;OSCP1;ADPRHL2;ENSG00000232862;C1orf216;GRIK3;MAP7D1;ENSG00000201448;KIAA0319L;THRAP3;STK40;COL8A2;AGO3	-0.54084	-3.80415	0.000198	0.058625
	-0.4079	-3.80214	0.000199	0.058634
	-0.5192	-3.8019	0.0002	0.058634
JAM2;ADAMTS1;ADAMTS5;CYR1;ENSG00000197934	-0.4366	-3.80224	0.000199	0.058634
ENSG00000259901;ENSG00000259768;ENSG00000271009	-0.46377	-3.80192	0.0002	0.058634
	-0.31149	-3.80323	0.000199	0.058634
FGFR1;RAB11FIP1;GPR124;TACC1;DDHD2	-0.30254	-3.80189	0.0002	0.058634
CCDC89;SYTL2;CCDC81;TMEM126A;C11orf73	-0.51674	-3.80195	0.0002	0.058634
	0.372914	3.801915	0.0002	0.058634
CLEC1A;PZP;A2M;FAM66C;MFAP5;FAM90A1	-0.57511	-3.80237	0.000199	0.058634
	0.41855	3.802737	0.000199	0.058634
	-0.37463	-3.8008	0.0002	0.058831
	-0.35835	-3.80031	0.000201	0.058898
	-0.48697	-3.79965	0.000201	0.058961
	0.440499	3.799978	0.000201	0.058931
RLTPR;SLC12A4;CDH5;CMTM3	-0.30766	-3.79907	0.000202	0.059007
	-0.31612	-3.79893	0.000202	0.059007
TTC7B	-0.62845	-3.79847	0.000202	0.059007
	0.407372	3.79834	0.000202	0.059007
	-0.49466	-3.79865	0.000202	0.059007
B3GNT3;ISYNA1;USHBP1;PLVAP;OCEL1;SIN3B;NWD1;NR2F6;LSM4;KLHL26;MYO9B;ARRDC2;RAB3A;COLGALT1;CRTC1	-0.50532	-3.79728	0.000203	0.059039
UNC93B1;ALDH3B1;CDK2AP2	-0.43463	-3.79743	0.000203	0.059039
	0.400395	3.797391	0.000203	0.059039
LRP11;PPP1R14C	-0.38273	-3.79807	0.000202	0.059026
SH3TC1;AFAP1;PSAPL1;SORCS2;ABLIM2;HTRA3;AFAP1-AS1;ENSG00000251615	-0.76092	-3.7973	0.000203	0.059039
ANXA4;ENSG00000188971	0.468762	3.796618	0.000204	0.059128
TTC39A;ZCCHC11;ENSG00000261664	0.597836	3.796508	0.000204	0.059128
	-0.52021	-3.79854	0.000202	0.059007
COG7;ERN2;ENSG00000261583	-0.45585	-3.79553	0.000204	0.05926
	-0.39458	-3.79518	0.000205	0.05926
	-0.41497	-3.79533	0.000205	0.05926

GLYR1;GLIS2	-0.35136	-3.79551	0.000204	0.05926
CALML6	-0.78644	-3.79499	0.000205	0.05926
	0.257145	3.794702	0.000205	0.059284
	0.215468	3.793035	0.000206	0.059572
	0.345394	3.792824	0.000206	0.059578
	0.467174	3.793214	0.000206	0.059572
LSP1;C11orf89;C11orf21;TSPAN32	-0.39513	-3.79111	0.000208	0.059798
	-0.51146	-3.79134	0.000208	0.059787
ERG;BRWD1	-0.40964	-3.792	0.000207	0.05972
ENSG00000226328;ENSG00000238120;FBLN1;RIBC2;NUP50;E				
NSG00000273243	0.294113	3.790544	0.000208	0.059876
	0.220746	3.789311	0.000209	0.059876
	0.455786	3.789598	0.000209	0.059876
TMPRSS3;RSPH1;C21orf128;ENSG00000225431;SLC37A1;ZNF2				
95-				
AS1;LINC00479;ABCG1;LINC00111;UMODL1;TFF3;PDE9A;FAM				
3B;ENSG00000235772;TMPRSS2;WDR4;C2CD2	-0.46209	-3.79134	0.000208	0.059787
ENSG00000230733	0.884571	3.790026	0.000209	0.059876
ENSG00000215158	0.320428	3.789803	0.000209	0.059876
HLA-DPB1;HLA-DOA	0.391463	3.789252	0.000209	0.059876
	0.271937	3.790102	0.000209	0.059876
	-0.83894	-3.78836	0.00021	0.059876
PSMG3;SUN1;PRKAR1B;GPR146;CHST12;MAD1L1;HEATR2;IQC				
E	-0.79421	-3.7886	0.00021	0.059876
	0.390284	3.788996	0.000209	0.059876
	-0.32301	-3.78856	0.00021	0.059876
ESPN;NPHP4;HES2;GPR153;PHF13	0.416582	3.788274	0.00021	0.059876
	-0.41683	-3.78807	0.00021	0.059876
C1orf189	0.351194	3.78803	0.00021	0.059876
	-0.41842	-3.78787	0.00021	0.059876
	-0.42731	-3.7867	0.000211	0.060055
BACH2;LYRM2;SRSF12	0.280972	3.790183	0.000208	0.059876
GRIP2	-0.31714	-3.78635	0.000211	0.060055
CUZD1	0.489432	3.786397	0.000211	0.060055
	0.514812	3.787315	0.000211	0.059959
	0.378713	3.785629	0.000212	0.060175
	-0.43746	-3.78486	0.000213	0.060227
	-0.3629	-3.78507	0.000212	0.060227
CSF3R;STK40	-0.29239	-3.78486	0.000213	0.060227
	0.456666	3.784009	0.000213	0.060246
ODF2L;WDR63;MCOLN3;DDAH1;MIR4423;LPAR3	-0.45404	-3.78461	0.000213	0.060243
	-0.26942	-3.78435	0.000213	0.060246
	0.361393	3.783339	0.000214	0.060327
APPL2;C12orf75;TXNRD1;NUAK1	-0.51615	-3.78388	0.000213	0.060246
	0.453638	3.78293	0.000214	0.060339
CKB	-0.4318	-3.78419	0.000213	0.060246



FSTL3;MISP;R3HDM4;SHC2;PPAP2C;PALM;GAMT;ADAMTSL5;MUM1;CFD;TCF3	-0.40258	-3.78295	0.000214	0.060339
	-0.44047	-3.78262	0.000214	0.060369
	0.389272	3.781671	0.000215	0.060542
TSPAN9	0.37386	3.780752	0.000216	0.060617
CDCP1;LZTFL1;XCR1;CXCR6;LARS2;TMEM158;SLC6A20;CCR5	-0.6035	-3.78122	0.000216	0.060602
KIAA1211L;TMEM131;TSGA10;INPP4A;ZAP70;YWHAQP5;ENSG00000273045;ENSG00000231822;TXNDC9;COX5B;VWA3B	-0.32279	-3.78001	0.000216	0.060617
	-0.54484	-3.78091	0.000216	0.060617
ALOX12P2;CLDN7;ACAP1;SCARNA21;DVL2;CLEC10A;FAM64A;CTC1;ACADVL	0.884883	3.779858	0.000217	0.060617
KIAA1462	-0.50149	-3.77993	0.000217	0.060617
	0.344464	3.779738	0.000217	0.060617
	0.395782	3.779602	0.000217	0.060617
CDC5L;HSP90AB1;AARS2;MRPL14;TJAP1	0.3286	3.779239	0.000217	0.060617
SEC61G;CHCHD2;CCT6A	0.370164	3.779288	0.000217	0.060617
DIO2	0.427657	3.779403	0.000217	0.060617
	0.416006	3.778846	0.000217	0.060617
CACNA1C-AS4;CACNA1C;TSPAN9	-0.62627	-3.77868	0.000218	0.060617
TSPAN4	-0.32162	-3.77796	0.000218	0.060739
SLC37A1;TMPRSS2;RIPK4;UBASH3A	-0.43362	-3.77753	0.000218	0.060757
ATPIF1;ENSG00000270605;TRNAU1AP;TMEM200B;SNORA73B;SNHG12	-0.5922	-3.77897	0.000217	0.060617
SPSB1;SLC45A1	-0.52513	-3.77648	0.000219	0.060874
XYLT1	-0.48976	-3.77919	0.000217	0.060617
KIAA1755;SOGA1;VSTM2L;RPRD1B;SAMHD1;RALGAPB;TGIF2;MYL9;RPN2	-0.36597	-3.77756	0.000218	0.060757
	-0.39257	-3.77709	0.000219	0.060783
SMIM14;RBM47;NSUN7	-0.45967	-3.77625	0.00022	0.060885
ARHGAP39	-0.31352	-3.77609	0.00022	0.060885
MAP3K19;MGAT5;NCKAP5	-0.62087	-3.7751	0.00022	0.060937
	-0.36351	-3.7757	0.00022	0.060892
CGNL1;TCF12;LINC00926	-0.5245	-3.77707	0.000219	0.060783
	-0.29266	-3.7748	0.000221	0.060937
RPP40;CDYL	-0.50926	-3.77483	0.000221	0.060937
HRH2;THOC3	-0.68406	-3.77573	0.00022	0.060892
	0.445779	3.77415	0.000221	0.060984
C12orf36;GPRC5A	-0.44374	-3.77532	0.00022	0.060937
	0.510816	3.773055	0.000222	0.061175
LRP2;ABCB11;SPC25;NOSTRIN	-0.55632	-3.77462	0.000221	0.06094
	-0.45131	-3.77407	0.000221	0.060984
NEK2;TRAF5	-0.63188	-3.77219	0.000223	0.061298
	-0.27799	-3.77212	0.000223	0.061298
PHLDB1;KMT2A;PCSK7;MPZL3;ENSG00000255176;C2CD2L;FXD2;TAGLN;IL10RA;IFT46;UBE4A;ATP5L	-0.47986	-3.77181	0.000223	0.0613

	-0.60089	-3.77199	0.000223	0.061298
	0.478136	3.771249	0.000224	0.061387
	-0.38932	-3.76994	0.000225	0.061607
RASA3;PCID2;F10	-0.4847	-3.76936	0.000225	0.061686
FARP1;CLYBL;TM9SF2;DOCK9	-0.43472	-3.77077	0.000224	0.061455
FAM78B	-0.50674	-3.76889	0.000226	0.061686
HMHA1;ARID3A;PPAP2C	-0.4345	-3.76806	0.000226	0.061776
PRICKLE4	0.338384	3.768949	0.000226	0.061686
	0.185093	3.769022	0.000225	0.061686
	-0.50684	-3.7679	0.000226	0.061776
BAI1;EEF1D;PSCA;FAM83H-AS1	-0.47278	-3.76781	0.000226	0.061776
	0.435696	3.766152	0.000228	0.062099
FUCA1;GALE;RCAN3;STPG1;ID3;NIPAL3;SRRM1;KDM1A	-0.37501	-3.76588	0.000228	0.062099
LRRC56;MUC5B	-0.4261	-3.76824	0.000226	0.061776
	0.526683	3.765986	0.000228	0.062099
GIPC3;SCAMP4;GNG7;TBXA2R;CSNK1G2;OAZ1;SPPL2B;GNA15;				
GNA11;PLEKHJ1	-0.41585	-3.76526	0.000229	0.062202
TBC1D10C;CARNS1;GSTP1;ALDH3B2	-0.51167	-3.76433	0.000229	0.062216
	0.312921	3.764401	0.000229	0.062216
	0.315701	3.764626	0.000229	0.062216
	0.345184	3.764939	0.000229	0.062216
	0.285489	3.764165	0.00023	0.062216
KIAA0895;ELMO1	-0.46542	-3.76437	0.000229	0.062216
NARF	-0.49666	-3.76274	0.000231	0.062409
	0.350555	3.763239	0.00023	0.06239
	0.174326	3.762666	0.000231	0.062409
	-0.69859	-3.76264	0.000231	0.062409
	0.378079	3.761065	0.000232	0.062694
MISP;FSTL3	-0.75666	-3.7616	0.000232	0.06261
	0.380614	3.759526	0.000234	0.062945
NME4;CACNA1H;ABCA3;HN1L;TMEM204;UNKL;SOX8;ENSG000				
00260807;ENSG00000196674;RAB11FIP3	-0.73933	-3.75919	0.000234	0.062959
	0.394385	3.759057	0.000234	0.062959
FOXF1;FENDRR;ENSG00000262601;USP10;KIAA0513;CRISPLD2				
;FOX11;EMC8;FAM92B	-0.55352	-3.75889	0.000234	0.062959
	0.23229	3.758666	0.000234	0.062973
TMEM45B;ARHGAP32;ENSG00000255455	-0.69673	-3.75947	0.000234	0.062945
CIB1;WDR93;TICRR;IDH2;ENSG00000258551;ENSG000002595				
61;KIF7;RCCD1;PRC1;UNC45A;SV2B;SEMA4B;C15orf38	-0.44889	-3.75954	0.000233	0.062945
	0.269276	3.757547	0.000235	0.063081
	-0.52021	-3.75715	0.000236	0.063081
	0.36781	3.756798	0.000236	0.063081
CARD8;FUT2	0.321995	3.756568	0.000236	0.063081
	-0.36407	-3.75818	0.000235	0.063045
RAB6A	0.247537	3.756896	0.000236	0.063081
	-0.34995	-3.7565	0.000236	0.063081

	0.404928	3.75653	0.000236	0.063081
	-0.39254	-3.75588	0.000237	0.063094
	-0.38381	-3.75673	0.000236	0.063081
	0.293489	3.755827	0.000237	0.063094
RNF166;CBFA2T3;ENSG00000261226;ENSG00000259881;PIEZ O1	-0.31935	-3.7559	0.000237	0.063094
MAL2;ENSG00000253972;SAMD12	-0.50838	-3.75498	0.000237	0.063198
PKP2	-0.59171	-3.75546	0.000237	0.063126
WDR54;ALMS1;C2orf81;TACR1;ENSG00000234521;M1AP;BOL A3;ACTG2;LOXL3;DCTN1-				
AS1;NAT8;HMGA1P8;INO80B;RTKN;TET3;ALMS1P;SEMA4F;TTC 31;DQX1;DGUOK;DOK1	-0.3441	-3.75708	0.000236	0.063081
DYNLT1	-0.44525	-3.7542	0.000238	0.063263
SKI;ANKRD65;MORN1;ENSG00000272106;FAM213B;CALML6;C 1orf222;ATAD3A;SSU72;ENSG00000269896;VWA1;LINC00982; RER1	-0.70733	-3.75467	0.000238	0.063232
	-0.3736	-3.75577	0.000237	0.063094
TPPP	0.365607	3.754004	0.000238	0.063269
CACNA1C;CACNA1C-AS4;TULP3;ITFG2;NRIP2;CACNA1C-IT3 CPSF3	-0.67783	-3.75319	0.000239	0.06338
	-0.62056	-3.75437	0.000238	0.063262
	0.515655	3.753388	0.000239	0.063373
	0.247998	3.751964	0.00024	0.063588
PDCD6;TPPP;TRIP13;LPCAT1;MRPL36;NDUFS6;NKD2;SDHA GFM2;FAM169A	-0.41509	-3.75231	0.00024	0.063547
ENSG00000262118	-0.34113	-3.75084	0.000241	0.063707
	-0.27114	-3.75062	0.000241	0.063707
	-0.25611	-3.75074	0.000241	0.063707
FAM81A;MYO1E;CGNL1;AQP9;CCNB2;ENSG00000259732	-0.56181	-3.75111	0.000241	0.063707
RASAL1;DTX1;SLC8B1	0.430165	3.74993	0.000242	0.063741
BARX2;C11orf45;KCNJ1	0.636974	3.750657	0.000241	0.063707
AIP;ENSG00000255306;ENSG00000254610	-0.31038	-3.74963	0.000242	0.063741
INTS5	-0.3128	-3.74958	0.000242	0.063741
	-0.23381	-3.74931	0.000242	0.063741
CBFA2T3;ENSG00000261226;ENSG00000259881;RNF166 NR2F6;B3GNT3	-0.41959	-3.74884	0.000243	0.06381
	-0.31309	-3.75013	0.000242	0.063741
	-0.32203	-3.74825	0.000243	0.06387
ARID3A;MISP;MOB3A;SHC2;HMHA1;PPAP2C;FSTL3;REEP6	-0.44233	-3.7493	0.000242	0.063741
	0.379209	3.750267	0.000242	0.063741
	0.474183	3.747352	0.000244	0.064021
UBE2Q2P1;EFTUD1P1	-0.51177	-3.747	0.000245	0.064047
	-0.2321	-3.74728	0.000244	0.064021
	0.396588	3.748286	0.000243	0.06387
LINC00908;MBP	-0.51984	-3.74611	0.000245	0.06415
	-0.38189	-3.74544	0.000246	0.06422

DHRS9;NOSTRIN;CERS6;ABCB11	-0.41835	-3.7459	0.000246	0.06415
NKD2;PDCD6;TPPP;TRIP13;AHRR	0.491222	3.74592	0.000246	0.06415
PLCH1-AS1;PLCH1;KCNA1	0.516832	3.744478	0.000247	0.064368
	0.231222	3.745086	0.000246	0.064263
	0.471175	3.743337	0.000248	0.064521
DTHD1;ENSG00000247193	-0.55733	-3.74634	0.000245	0.06415
RARRES3	0.324677	3.742976	0.000248	0.064567
ST6GALNAC2;RHBDF2;RNF157;SPHK1;SEC14L1	-0.48394	-3.74349	0.000248	0.064521
	-0.44691	-3.74196	0.000249	0.064654
GNA15;ZNF57;GIPC3;STAP2;TJP3;LRG1;TBXA2R;CHAF1A	-0.45721	-3.74222	0.000249	0.064654
	-0.38856	-3.74217	0.000249	0.064654
FGFR3;RNF212;PDE6B;POLN;HAUS3;ENSG00000272927;ENSG0000273179	-0.62224	-3.74195	0.000249	0.064654
	-0.34296	-3.7438	0.000247	0.064489
	0.362003	3.741173	0.00025	0.064782
	0.454187	3.741079	0.00025	0.064782
ENSG00000260219	-0.37162	-3.74054	0.00025	0.064793
GALK2;FAM227B;SECISBP2L;SLC27A2;USP8;HDC;ENSG00000259531;TRPM7	-0.69737	-3.74084	0.00025	0.064793
	0.254537	3.74068	0.00025	0.064793
	-0.35076	-3.74007	0.000251	0.064866
WDR45B;PCYT2;LRRC45;BAIAP2-AS1;MAFG-AS1;NOTUM;CCDC57;LINC00482	-0.47896	-3.73946	0.000251	0.064914
	0.241458	3.739372	0.000252	0.064914
	-0.39771	-3.73966	0.000251	0.064914
	-0.4404	-3.73866	0.000252	0.065046
	-0.27494	-3.73784	0.000253	0.065125
KIAA1755;RPRD1B	-0.43737	-3.7383	0.000252	0.065092
	0.265601	3.737544	0.000253	0.065155
	-0.40637	-3.73786	0.000253	0.065125
	0.427199	3.736763	0.000254	0.065205
NME4;TMEM204;HN1L;CACNA1H;RGS11;SOX8;ENSG00000196674;UNKL	-0.47557	-3.73668	0.000254	0.065205
	-0.46415	-3.73695	0.000254	0.065205
MAPK8IP1;TSPAN18;CRY2	-0.34063	-3.73617	0.000254	0.065229
	-0.2021	-3.73676	0.000254	0.065205
	0.468804	3.735926	0.000255	0.065229
	0.466188	3.735957	0.000255	0.065229
	-0.47437	-3.73608	0.000255	0.065229
KLHDC1	0.483167	3.735219	0.000255	0.065281
YWHAZP4	0.417665	3.735732	0.000255	0.065237
	0.237979	3.734758	0.000256	0.065314
FAM179A;ENSG00000226833;ENSG00000229951;CLIP4	-0.34675	-3.73556	0.000255	0.065238
	0.367228	3.734781	0.000256	0.065314
TMEM254	-0.45033	-3.73366	0.000257	0.065421
	0.342107	3.733684	0.000257	0.065421
	0.404291	3.732788	0.000258	0.065553

LRRC71;MUC1;PYGO2;NES	-0.29658	-3.7336	0.000257	0.065421
MYO5C	-0.54161	-3.73363	0.000257	0.065421
ZNF204P;BTN3A3;HCG11;BTN2A3P;ZNF391	-0.60229	-3.7335	0.000257	0.065421
PSMG3;GPR146;GNA12	0.43818	3.732105	0.000258	0.065605
RCOR1	-0.4959	-3.73208	0.000258	0.065605
PSMG3-				
AS1;HEATR2;SUN1;PDGFA;FAM20C;MAD1L1;ENSG0000024985				
2;ZFAND2A;PRKAR1B	-0.45528	-3.73222	0.000258	0.065605
	-0.41573	-3.73152	0.000259	0.065662
	0.417409	3.731645	0.000259	0.065662
	0.56439	3.730772	0.00026	0.065768
	0.383353	3.730763	0.00026	0.065768
	0.372803	3.729854	0.00026	0.065903
CNDP2;CYB5A	-0.35601	-3.72956	0.000261	0.065903
ZKSCAN1;BAIAP2L1;ZNF3;KPNA7;AP4M1;MCM7;BRI3;BUD31;C				
PSF4;ZNF655;TMEM130;ZSCAN25;ENSG00000272950	-0.60333	-3.72981	0.00026	0.065903
KIAA1107;GLMN;RPAP2	-0.43292	-3.72969	0.000261	0.065903
PIK3R5;CLDN7;MFSD6L	0.271446	3.728949	0.000261	0.066001
OAF;C2CD2L;PHLDB1;MCAM;ENSG00000255176;USP2-				
AS1;DPAGT1;KMT2A;CCDC153;USP2	-0.35421	-3.72883	0.000261	0.066001
HHAT;TRAF3IP3	-0.37843	-3.72792	0.000262	0.066088
	0.297469	3.728534	0.000262	0.066034
	-0.25965	-3.72754	0.000263	0.066099
SDCBP2;NSFL1C;SIRPA;SOX12	-0.54971	-3.72677	0.000263	0.06612
	0.461488	3.727827	0.000262	0.066088
CARS	0.376678	3.726953	0.000263	0.06612
FAM221A;MPP6;STK31;ENSG00000228649;GPNMB;FAM126A	-0.37554	-3.72803	0.000262	0.066088
FIBIN;MUC15;ENSG00000224411;CCDC34	-0.46022	-3.7273	0.000263	0.066099
MAP2K5	0.414037	3.726528	0.000264	0.06612
MLLT4;ENSG00000228648;DACT2	0.353244	3.7261	0.000264	0.06612
EPPIN;SLPI;SYS1;WFDC6;WFDC3;SLC2A10;WFDC2;SLC13A3;TO				
MM34;DNTTIP1;HSPD1P21;STK4;PIGT;TP53RK	-0.50202	-3.72733	0.000263	0.066099
	-0.41007	-3.72519	0.000265	0.066248
ANKRD54;DNAL4;CBY1;FAM227A;SOX10;GTPBP1;LGALS1;C22o				
rf23;ENSG00000229955;CDC42EP1;APOBEC3D	-0.34697	-3.72614	0.000264	0.06612
LINC00638	-0.39564	-3.72609	0.000264	0.06612
KCNA3;DENND2D;CD53	0.320976	3.725058	0.000265	0.066248
	0.390961	3.725344	0.000265	0.066248
ENSG00000272604;CDHR3;RINT1;SRPK2;EFCAB10	-0.52781	-3.72649	0.000264	0.06612
	0.38299	3.724927	0.000265	0.066248
KCNQ1OT1	0.502571	3.723729	0.000266	0.066461
MEIG1;CDNF;C10orf111;RPP38;ACBD7;FAM107B;ITGA8;FRMD				
4A	-0.52105	-3.72374	0.000266	0.066461
PRKAR2A-AS1	-0.31713	-3.72337	0.000267	0.066472
HRH1	-0.64088	-3.72354	0.000267	0.066468

SEC14L5	0.35762	3.723035	0.000267	0.066514
	-0.57781	-3.72271	0.000267	0.066532
	0.328264	3.722556	0.000268	0.066532
	-0.38054	-3.72249	0.000268	0.066532
NES;PEAR1;ASH1L;MUC1;SHC1;MEF2D;SYT11;MTX1;SLC50A1;H DGF;HCN3;ENSG00000231064;SEMA4A;ARHGEF2;RUSC1;PMF 1;PYGO2;PBXIP1;LAMTOR2;MEX3A;ASH1L- AS1;ENSG00000223503 ZNF57	-0.74232	-3.72182	0.000268	0.066539
	-0.61016	-3.72193	0.000268	0.066539
	0.376231	3.721981	0.000268	0.066539
	-0.45099	-3.72193	0.000268	0.066539
	-0.21351	-3.72132	0.000269	0.066622
	-0.40789	-3.72068	0.000269	0.066739
KIF3B;CCM2L;BPIFB1;CBFA2T2;SNTA1;COMMD7	-0.38327	-3.72049	0.00027	0.066747
	0.439156	3.7196	0.00027	0.066927
	0.374598	3.719441	0.000271	0.066927
ACAP1;CLDN7;ALOX12P2;CLEC10A;CTC1;SCARNA21;DVL2;ACA DVL	0.643124	3.718364	0.000272	0.067153
	-0.41868	-3.71791	0.000272	0.067226
	0.411407	3.717547	0.000272	0.067276
CBFA2T3;ENSG00000259881;PIEZO1;ENSG00000260121;ENSG 00000261226;RNF166	-0.45744	-3.71675	0.000273	0.067395
	-0.23495	-3.71676	0.000273	0.067395
	0.382577	3.714676	0.000275	0.067729
	-0.51758	-3.71501	0.000275	0.067706
	-0.46195	-3.71566	0.000274	0.067625
	0.4029	3.715355	0.000275	0.067661
	-0.31644	-3.71461	0.000275	0.067729
SRGAP3- AS2;ENSG00000206567;PRRT3;JAGN1;OGG1;RPUSD3;LMCD1 EML6;CLHC1;C2orf73;ENSG00000203327 ALPL;HSPG2 ARHGAP32;TMEM45B;KCNJ1 HHATL-AS1;ZBTB47;ULK4;FAM198A SYS1;EPPIN;TOMM34;WFDC6;WFDC3;HSPD1P21;SDC4;PKIG;W FDC2;DNTTIP1;PIGT;ZNF663P;SLPI;WISP2;ZNF335;ENSG000002 69549;MKRN7P	-0.5062	-3.71353	0.000276	0.067958
	-0.34991	-3.71328	0.000277	0.06798
	-0.26817	-3.71154	0.000279	0.068374
	-0.41188	-3.71099	0.000279	0.068446
	0.428142	3.710599	0.000279	0.06849
	-0.46485	-3.71094	0.000279	0.068446
	0.310667	3.710066	0.00028	0.06849
NPR1;ATP8B2;JTB;CREB3L4;SLC27A3;DENND4B;GATAD2B;S100 A6;C1orf43	-0.42273	-3.70982	0.00028	0.06849
	-0.37241	-3.70933	0.000281	0.06849
PTK2B	-0.37447	-3.70922	0.000281	0.06849
NXN;INPP5K;SCARF1	-0.64172	-3.70923	0.000281	0.06849
	-0.33956	-3.7092	0.000281	0.06849
CAMTA1;HES2	0.380708	3.710302	0.00028	0.06849
	0.408156	3.709461	0.000281	0.06849

WDR93;ENSG00000259561;TICRR;MFGE8;HAPLN3;CIB1;POLG; CRTC3;KIF7	-0.3578	-3.7088	0.000281	0.068552
	-0.4531	-3.70981	0.00028	0.06849
	-0.42197	-3.707	0.000283	0.068925
ALDH3B2;TPCN2;UNC93B1;FAM86C2P;GSTP1;MRGPRF;MTL5;T BC1D10C;CARNS1	-0.66819	-3.70824	0.000282	0.068652
	0.419952	3.705873	0.000284	0.06913
	-0.41339	-3.70532	0.000285	0.069191
	0.308799	3.70591	0.000284	0.06913
SPINT1;RMDN3;CHP1;DLL4	-0.56008	-3.70506	0.000285	0.069219
	0.195691	3.704899	0.000285	0.069219
	-0.2853	-3.70454	0.000286	0.069231
TSPAN4;MRPL23;TALDO1	-0.34311	-3.70538	0.000285	0.069191
	0.387126	3.704303	0.000286	0.069248
SKI;SSU72;RER1	0.361346	3.703996	0.000286	0.069248
ENSG00000260337;ENSG00000258676	-0.51386	-3.70385	0.000286	0.069248
SLC38A6;ENSG00000259796;PRKCH	-0.47036	-3.70337	0.000287	0.06929
ZNF366	0.334309	3.70455	0.000286	0.069231
	-0.20141	-3.70403	0.000286	0.069248
HLF;ENSG00000263096	-0.35675	-3.70357	0.000287	0.069279
CTSW	-0.39606	-3.7022	0.000288	0.069461
	0.401092	3.701769	0.000289	0.069461
DNAH9;ARHGAP44;SHISA6;ENSG00000266368	-0.54594	-3.70285	0.000287	0.069343
PTPRS;RFX2;TRIP10;CATSPERD;CAPS;TINCR;FUT6;NDUFA11;HS D11B1L;ENSG00000267262;ENSG00000267427;MLLT1;ENSG0 0000267589;ENSG00000266983;SH2D3A;DENND1C;C19orf70; PLIN3	-0.5599	-3.70305	0.000287	0.069334
	0.484561	3.701976	0.000288	0.069461
RARRES3;PYGM;HRASLS2;NRXN2;OTUB1;STIP1;VEGFB	0.514692	3.701374	0.000289	0.069461
STMN3;SOX18;SLC2A4RG;ZBTB46;ZNF512B;RTEL1- TNFRSF6B;ENSG00000267848	-0.55251	-3.70177	0.000289	0.069461
	0.28414	3.701413	0.000289	0.069461
	0.33637	3.701293	0.000289	0.069461
KIF9;LZTFL1;KIF9-AS1	-0.26708	-3.70024	0.00029	0.069461
	-0.87692	-3.69999	0.00029	0.069461
	-0.27074	-3.70021	0.00029	0.069461
	0.341412	3.699708	0.000291	0.069461
	0.323631	3.699785	0.000291	0.069461
	0.265639	3.700504	0.00029	0.069461
	0.251797	3.699193	0.000291	0.069461
	0.39402	3.699036	0.000292	0.069461
	-0.35817	-3.69918	0.000291	0.069461
	-0.2539	-3.6999	0.000291	0.069461
	0.421944	3.698886	0.000292	0.069461
NLRC5;SLC38A7;ENSG00000261270;C16orf80;KATNB1;CNOT1; POLR2C;CCDC113;GOT2	-0.61984	-3.69818	0.000292	0.069461

WBSCR22;CLIP2;ENSG00000232415;STAG3L2;ABHD11;WBSCR27;LINC00035;CLDN4	-0.45825	-3.69877	0.000292	0.069461
CALM1;EFCAB11;TTC8;ENSG00000258752	-0.35947	-3.70004	0.00029	0.069461
	-0.36785	-3.69968	0.000291	0.069461
	0.419959	3.69839	0.000292	0.069461
RBKS;CCDC121;MRPL33;SUPT7L;IFT172;ENSG00000226833	-0.48587	-3.69748	0.000293	0.069461
SSU72;ANKRD65	-0.30977	-3.69779	0.000293	0.069461
	-0.24478	-3.69812	0.000292	0.069461
	-0.68204	-3.6976	0.000293	0.069461
	0.370481	3.697622	0.000293	0.069461
	-0.20428	-3.69845	0.000292	0.069461
	0.41938	3.696951	0.000294	0.069513
	-0.38639	-3.69682	0.000294	0.069513
LAPTM5;COL16A1	-0.39379	-3.69794	0.000293	0.069461
RYS3	-0.42988	-3.69801	0.000293	0.069461
ENSG00000234478;WNT9A;C1orf95	-0.45809	-3.69749	0.000293	0.069461
ACACB	-0.40564	-3.69621	0.000295	0.069553
TTC39A;DMRTA2;CDKN2C	0.335027	3.696884	0.000294	0.069513
	0.287785	3.696047	0.000295	0.069555
	0.319165	3.695847	0.000295	0.069567
	0.246573	3.696231	0.000295	0.069553
RRN3P1;EEF2K	0.33638	3.695248	0.000296	0.069612
HEATR5A;NUBPL;AKAP6	-0.63141	-3.69493	0.000296	0.069612
	-0.41468	-3.69517	0.000296	0.069612
LRIG1	-0.37854	-3.69621	0.000295	0.069553
	0.196115	3.695578	0.000295	0.069597
	0.44164	3.694718	0.000296	0.069612
	0.403231	3.693982	0.000297	0.069612
	0.282596	3.694589	0.000296	0.069612
DUSP4;KIF13B;FBXO16;TMEM66;FZD3;LINC00589	-0.52086	-3.69483	0.000296	0.069612
	-0.3788	-3.69399	0.000297	0.069612
	-0.73769	-3.69341	0.000298	0.069612
	-0.38718	-3.69352	0.000297	0.069612
RARRES3;FADS3;INTS5	0.240288	3.693741	0.000297	0.069612
NBEA	0.440428	3.693509	0.000297	0.069612
BAIAP2L1;KPNA7;TMEM130;ENSG00000272950;BRI3;BHLHA15				
;ASNS	-0.69729	-3.69375	0.000297	0.069612
	-0.64539	-3.69311	0.000298	0.069612
TRAPPC10;CSTB;ADARB1;ITGB2;PDXK;ENSG00000268805	0.264949	3.693165	0.000298	0.069612
CD93;FOXA2	0.334238	3.69233	0.000299	0.069717
	0.271157	3.692243	0.000299	0.069717
ANXA8	-0.48023	-3.69281	0.000298	0.069648



PTPRS;RFX2;TRIP10;CATSPERD;CAPS;TINCR;HSD11B1L;ENSG0000267262;MLLT1;NDUFA11;ENSG00000267589;ENSG00000266983;ENSG00000267427;SH2D3A;VAV1;DUS3L	-0.39642	-3.69366	0.000297	0.069612
TMEM231;ENSG00000262583;LDHD;MLKL;CFDP1;CHST6;ENSG00000203472;CHST5	-0.46101	-3.69167	0.000299	0.069825
	-0.43137	-3.69151	0.0003	0.069826
	0.332987	3.690842	0.0003	0.069921
	-0.37052	-3.69099	0.0003	0.069921
TMEM71;NDRG1;WISP1	-0.46684	-3.69017	0.000301	0.069959
IFFO2	-0.40591	-3.69018	0.000301	0.069959
MATN2;C8orf47	0.329468	3.690099	0.000301	0.069959
	0.413696	3.690093	0.000301	0.069959
	-0.70369	-3.68917	0.000302	0.070156
	0.250033	3.688373	0.000303	0.070322
	0.368917	3.688002	0.000303	0.070364
	-0.4693	-3.68791	0.000304	0.070364
RSPO1;MTF1;GRIK3	-0.39756	-3.68689	0.000305	0.070588
RNF32;SHH;LINC01006	-0.49645	-3.68588	0.000306	0.0706
ENSG00000247011	0.251942	3.685567	0.000306	0.0706
	0.303574	3.685557	0.000306	0.0706
	0.375513	3.685891	0.000306	0.0706
HBA1;HBA2;RGS11;NME4;BAIAP3;CACNA1H;CCDC78;ENSG0000196674;SOX8;RHBDF1;ENSG00000261659	-0.40086	-3.68558	0.000306	0.0706
	0.473974	3.685781	0.000306	0.0706
	0.331554	3.685503	0.000306	0.0706
RSPH3;ZDHHC14;SYTL3;DYNLT1;EZR;TMEM181	-0.30231	-3.68602	0.000306	0.0706
	0.373898	3.685522	0.000306	0.0706
EYA4;TCF21;SLC2A12;TBPL1;SGK1	-0.63542	-3.68533	0.000306	0.070606
	0.359959	3.684742	0.000307	0.070669
	-0.26981	-3.68464	0.000307	0.070669
	-0.28952	-3.68407	0.000308	0.070739
	0.406952	3.684277	0.000308	0.070724
CGN;CTSK;SELENBP1;S100A11;SEMA6C;HRNR;CTSS	0.413171	3.683442	0.000309	0.070825
CLMN;SERPINA1;UNC79;PRIMA1;ASB2;FAM181A-AS1;FAM181A;PPP4R4;ENSG00000258987	-0.37292	-3.68477	0.000307	0.070669
TSTD1;UFC1;SDHC;F11R;C1orf192;PVRL4;KLHDC9;MPZ;PPOX;OLFML2B;ENSG00000213080;ADAMTS4;USF1;ENSG0000022774				
1;NCSTN;COPA;USP21;PEA15;NIT1;PEX19	-0.35446	-3.6837	0.000308	0.070796
	0.429659	3.683038	0.000309	0.070891
	-0.24321	-3.68282	0.000309	0.070909
APBB2;SMIM14;NSUN7;RBM47	-0.36497	-3.68246	0.00031	0.070963
ADCY3;PFN4;DNAJC27-AS1;DNAJC27;FAM228B;CENPO;DTNB	-0.3786	-3.68198	0.00031	0.071051
	-0.39126	-3.68105	0.000311	0.071138
	0.33244	3.681095	0.000311	0.071138
	-0.32767	-3.68081	0.000311	0.07114

	-0.2228	-3.6815	0.000311	0.071136
MXRA8;SKI;SAMD11;ANKRD65;ENSG00000223764	0.368492	3.681145	0.000311	0.071138
	-0.41319	-3.67981	0.000313	0.071269
	-0.50109	-3.68027	0.000312	0.071188
	-0.29907	-3.68072	0.000312	0.07114
	-0.27788	-3.6806	0.000312	0.07114
	0.480592	3.679025	0.000314	0.071288
	0.31364	3.67938	0.000313	0.071288
ODF2;CERCAM;COQ4;C9orf117;ST6GALNAC6;TTC16;DNM1;RALGPS1;GARNL3;WDR34;PKN3;LCN2;TBC1D13;LRRC8A;SLC2A8;AK1;C9orf114;ENG;ANGPTL2;CIZ1;CRAT;NUP188;ENSG00000228487;SLC27A4	-0.6809	-3.67891	0.000314	0.071288
	0.325933	3.678853	0.000314	0.071288
LPAR6;SETDB2;LINC00441	-0.40401	-3.67912	0.000313	0.071288
	-0.46723	-3.679	0.000314	0.071288
CNNM2;CCDC147;WDR96	-0.37665	-3.67816	0.000315	0.07139
	0.395975	3.67826	0.000314	0.07139
	-0.40721	-3.67781	0.000315	0.071445
	-0.584	-3.67701	0.000316	0.071553
ATG9B;REPIN1;GIMAP8	0.254527	3.676782	0.000316	0.071553
RAPGEF4;ENSG00000091436;CIR1	0.364409	3.677105	0.000316	0.071553
FOXL1;FENDRR;FOXF1	-0.44833	-3.67666	0.000316	0.071553
	-0.30957	-3.67669	0.000316	0.071553
	-0.39468	-3.67624	0.000317	0.071625
TTC22	0.567162	3.6754	0.000318	0.071769
ICOSLG;LRRC3;ENSG00000225331;PDE9A;CSTB;LRRC3DN;TRPM2	-0.47145	-3.67499	0.000318	0.071823
	-0.5231	-3.67475	0.000318	0.071823
JHDM1D-AS1;KDM7A;TBXAS1	-0.31436	-3.67539	0.000318	0.071769
	0.337596	3.674759	0.000318	0.071823
HRASLS2;PLA2G16	0.461946	3.674543	0.000319	0.071825
	-0.32508	-3.67365	0.00032	0.071825
MNS1;TEX9;NEDD4;DYX1C1;PRTG;C15orf65	-0.4863	-3.67363	0.00032	0.071825
	0.216151	3.673797	0.00032	0.071825
	0.31405	3.673242	0.00032	0.071825
	-0.32113	-3.67335	0.00032	0.071825
ADAMTS2;COL23A1;RAB24	0.368491	3.672629	0.000321	0.071825
CERS4;ADAMTS10;INSR;PEX11G	0.291614	3.672612	0.000321	0.071825
	0.284149	3.672934	0.000321	0.071825
MUC13;HEG1;ITGB5;SNX4	-0.62934	-3.67244	0.000321	0.071825
ENSG00000232344;LRRC48;ATPAF2	-0.29572	-3.67295	0.000321	0.071825
STARD5;IL16	-0.49787	-3.67284	0.000321	0.071825
	0.265544	3.672327	0.000321	0.071825
	-0.39063	-3.67183	0.000322	0.071825
	0.279823	3.672533	0.000321	0.071825
	0.217889	3.672083	0.000322	0.071825
	-0.42563	-3.67201	0.000322	0.071825

C1orf110;ENSG00000230739;OLFML2B;ENSG00000232995;DDR2;UAP1	-0.63351	-3.67216	0.000321	0.071825
	0.437425	3.671092	0.000323	0.071825
	-0.70539	-3.6712	0.000323	0.071825
	0.237257	3.671173	0.000323	0.071825
PLXNA1	-0.48041	-3.67147	0.000322	0.071825
	0.298312	3.670713	0.000323	0.071825
SEC61G;EGFR-AS1;VOPP1;CCT6A;PHKG1	0.232072	3.671255	0.000322	0.071825
MRPS31;LINC00332;LHFP	-0.5064	-3.67094	0.000323	0.071825
LINC00640;ATL1;FRMD6;CDKL1;ABHD12B	-0.41561	-3.67148	0.000322	0.071825
MYO6	-0.45348	-3.67069	0.000323	0.071825
STYXL1;POR;CCDC146;FGL2;PTPN12;ENSG00000250990;MDH2;ENSG00000227038	-0.64566	-3.67096	0.000323	0.071825
	0.440036	3.66989	0.000324	0.071923
	-0.48738	-3.6696	0.000324	0.071962
	0.416681	3.670033	0.000324	0.071923
	0.3682	3.670067	0.000324	0.071923
	0.344737	3.668758	0.000325	0.072083
	0.458861	3.668267	0.000326	0.072083
	-0.24465	-3.66897	0.000325	0.072083
	0.324025	3.66807	0.000326	0.072083
	0.370336	3.668084	0.000326	0.072083
MRPL23;CARS;IGF2	-0.43277	-3.66806	0.000326	0.072083
ENSG00000232485;IGFBP2;PECR;MARCH4	-0.5839	-3.66838	0.000326	0.072083
	0.171921	3.667899	0.000326	0.072083
	-0.38009	-3.66785	0.000326	0.072083
IRF4;DUSP22	0.399679	3.666364	0.000328	0.072322
	0.373313	3.666603	0.000328	0.072322
	-0.42661	-3.66685	0.000328	0.072305
COL13A1;TSPAN15;PALD1	0.369832	3.666077	0.000329	0.07236
FKBP10;RUNDC1;HMGN2P15;BECN1;VPS25;PTRF;ATP6V0A1;TTC25;CNTNAP1;KRT15;TUBG2;AOC3;LEPREL4;HAP1;MLX;PSME3;STAT5B;COA3	-0.43076	-3.66641	0.000328	0.072322
SLC9A3	-0.45807	-3.66559	0.000329	0.072373
LTBP2;TGFB3;AREL1	-0.75065	-3.66546	0.000329	0.072373
MAK;C6orf52;SYCP2L	-0.57828	-3.66574	0.000329	0.072373
	-0.56999	-3.66489	0.00033	0.072448
	-0.39021	-3.66505	0.00033	0.072443
DTHD1;ENSG00000251438;ENSG00000247193	-0.5551	-3.66547	0.000329	0.072373
	0.343131	3.664483	0.00033	0.072517
	0.329813	3.664332	0.000331	0.072519
ACKR3;SH3BP4;AGAP1-IT1;AGAP1	-0.55433	-3.66339	0.000332	0.072568
MAP3K14;FZD2	-0.35647	-3.66302	0.000332	0.072568
KCNN4	-0.48365	-3.66273	0.000333	0.072568
ENSG00000240710	0.37484	3.663066	0.000332	0.072568
	-0.60515	-3.663	0.000332	0.072568
	-0.46483	-3.6629	0.000332	0.072568

HLX	-0.44893	-3.66296	0.000332	0.072568
AFAP1L2	0.406631	3.662745	0.000333	0.072568
PTPRN2	0.347924	3.662137	0.000333	0.072578
	0.452889	3.663049	0.000332	0.072568
NPR1;C1orf189;JTB;CREB3L4;ATP8B2;S100A13	-0.40171	-3.66225	0.000333	0.072578
LAMB1;ENSG00000241764;ENSG00000273055	-0.53032	-3.66307	0.000332	0.072568
	-0.4078	-3.66213	0.000333	0.072578
ZNF532;MALT1;NEDD4L	-0.39987	-3.66223	0.000333	0.072578
ENSG00000272841	0.306709	3.661654	0.000334	0.072593
DSCR3	0.535058	3.661664	0.000334	0.072593
	-0.23856	-3.66102	0.000335	0.07264
PIAS1;KIF23	-0.55669	-3.66122	0.000334	0.07264
NRXN2;VEGFB;LTBP3;PYGM;C11orf95;STIP1;RARRES3;OTUB1;H				
RASLS2;MAP4K2;NAALADL1;RASGRP2	-0.38793	-3.66052	0.000335	0.072668
C11orf49;MAPK8IP1;DDB2;CRY2;PACSIN3;LRP4;RAPSN;MADD;				
ARHGAP1;GYLTL1B;HARBI1	-0.47887	-3.66083	0.000335	0.07264
	0.380413	3.660772	0.000335	0.07264
	0.492097	3.660251	0.000336	0.072703
SPOCK2	-0.48328	-3.66181	0.000334	0.072593
SHMT1P1	0.258833	3.659791	0.000336	0.07273
UTP3	0.328278	3.659999	0.000336	0.07273
	0.290756	3.660904	0.000335	0.07264
SCMH1;LEPRE1;RIMKLA;CCDC30;ZMYND12;HIVEP3	-0.64578	-3.65926	0.000337	0.07278
	0.389797	3.659588	0.000336	0.07273
	0.420256	3.659632	0.000336	0.07273
LCK	0.267038	3.658748	0.000337	0.072817
C13orf45	-0.51388	-3.65889	0.000337	0.072817
HELLS	-0.50004	-3.6587	0.000337	0.072817
CCAR2;ENSG00000253837;LOXL2;PHYHIP;C8orf58;PIWIL2;TNF				
RSF10C;BIN3;BMP1	-0.44742	-3.65773	0.000339	0.072998
GPLD1;ALDH5A1;KIAA0319;DCDC2;FAM65B	-0.67553	-3.65709	0.000339	0.073131
SLCO2B1	0.499609	3.656704	0.00034	0.073154
ANG;PNP	0.357697	3.657785	0.000339	0.072998
	0.395049	3.656838	0.00034	0.073154
	0.382389	3.656168	0.000341	0.073154
DCPS	-0.33054	-3.65622	0.000341	0.073154
ENSG00000255471;FZD4	-0.433	-3.65631	0.00034	0.073154
	-0.39084	-3.65636	0.00034	0.073154
SNTA1;PROCR;PIGU;DYNLRB1;CBFA2T2;MMP24-AS1	-0.35654	-3.65546	0.000341	0.07323
	-0.25895	-3.65557	0.000341	0.07323
ZNF677;LILRA1;MBOAT7;GP6	-0.222	-3.65574	0.000341	0.073229
SPSB1	-0.63455	-3.65476	0.000342	0.073381
	0.49123	3.654275	0.000343	0.073389
	-0.32302	-3.6542	0.000343	0.073389
	-0.35216	-3.6542	0.000343	0.073389
LRRC59;NXPH3;SLC35B1;LUC7L3;SAMD14	0.291182	3.653763	0.000344	0.073389
	-0.35922	-3.65382	0.000343	0.073389

	0.415457	3.653955	0.000343	0.073389
	0.483481	3.653333	0.000344	0.073389
EHD2;PLA2G4C;FUT2;FAM83E;PRR24	-0.47806	-3.65357	0.000344	0.073389
	0.352148	3.653409	0.000344	0.073389
	0.446453	3.653374	0.000344	0.073389
FAM83H-AS1;ARHGAP39	-0.43759	-3.6532	0.000344	0.073389
GTF3C6;SLC16A10;DDO;SMPD2	-0.4086	-3.65275	0.000345	0.073434
PPP1R3D;SYCP2	-1.00355	-3.65305	0.000344	0.073393
	0.311524	3.652512	0.000345	0.073462
	0.179017	3.651274	0.000347	0.073577
	-0.36585	-3.6516	0.000346	0.073577
HOMER2;TM6SF1	-0.37094	-3.65148	0.000346	0.073577
CACNB3;C12orf68;ZNF641;CCDC65;WNT10B;LMBR1L	-0.44926	-3.65118	0.000347	0.073577
	0.429176	3.651359	0.000347	0.073577
	0.353052	3.651007	0.000347	0.073577
BCL11B;HHIPL1;EVL	0.625773	3.65084	0.000347	0.073577
	0.315452	3.651091	0.000347	0.073577
CCDC78;IFT140;BAIAP3;HN1L;HAGHL;WDR90;HAGH;ENSG0000				
0261659;METRN;HS3ST6;SOX8;PDPK1;WDR24;MSRB1;RNPS1;				
UBE2I;GFER	-0.30865	-3.65095	0.000347	0.073577
	0.352229	3.650204	0.000348	0.073673
MUC16;CERS4;CTXN1;FBN3;KANK3;ADAMTS10;RPS28;CD209	-0.27355	-3.65049	0.000348	0.073632
	0.452166	3.649252	0.000349	0.073782
	0.333671	3.64973	0.000349	0.073726
	-0.18525	-3.64979	0.000349	0.073726
MAK;C6orf52;EDN1	-0.49111	-3.64899	0.00035	0.073782
	-0.40054	-3.64864	0.00035	0.073782
	0.31193	3.6489	0.00035	0.073782
	0.280761	3.648586	0.00035	0.073782
ARHGEF1;POU2F2;CEACAM5;CD79A;TGFB1;CEACAM6;AXL;GRI				
K5	-0.4176	-3.64856	0.00035	0.073782
	0.176977	3.648989	0.00035	0.073782
CERCAM;DNM1;FNBP1;LINC00963;ODF2;COQ4;WDR34	-0.26467	-3.64799	0.000351	0.073825
C11orf63;SCN3B;HSPA8;CLMP;ATP5F1P5;ENSG00000255248	-0.42802	-3.64831	0.00035	0.073814
	0.229905	3.648071	0.000351	0.073825
FAM83H-AS1;EEF1D;ZNF34;GPIHBP1;RHPN1-AS1	-0.29902	-3.64656	0.000353	0.07412
TJP3;GNG7	0.267787	3.646328	0.000353	0.07412
CLDN5;MRPL40;ZDHHC8;ZNF74;UFD1L	-0.70121	-3.64632	0.000353	0.07412
TEAD1	0.440651	3.645967	0.000353	0.07412
	-0.282	-3.64671	0.000352	0.07412
	0.376897	3.645595	0.000354	0.07412
	-0.28997	-3.64547	0.000354	0.07412
ADAMTS2;FLT4;ZNF354C;CNOT6;RNF130;GFPT2;ENSG0000024				
5317;MAML1;MGAT1;ENSG00000260841;TBC1D9B	-0.3667	-3.64571	0.000354	0.07412
	-0.25756	-3.64488	0.000355	0.074147

LRRC56;MRPL23;TSPAN4;TSPAN32	-0.4165	-3.64518	0.000354	0.07412
	0.415943	3.645129	0.000354	0.07412
SCARB1;BRI3BP;ZNF664;FAM101A;GTF2H3	-0.34903	-3.64552	0.000354	0.07412
MYH14;FAM83E;CPT1C;TEAD2;HRC;FCGRT;RASIP1;CYTH2;RRAS	0.292893	3.644662	0.000355	0.074169
PLEKHB1;DNAJB13;PGM2L1;ENSG00000255847;POLD3;C2CD3;				
ENSG00000254837;PPME1;UCP2;RNF169	-0.46195	-3.64566	0.000354	0.07412
RASAL3;NWD1;SYDE1;HSH2D	-0.37818	-3.64512	0.000354	0.07412
NCALD	-0.41024	-3.64409	0.000356	0.074281
	0.298145	3.643973	0.000356	0.074281
	0.513031	3.643657	0.000356	0.074315
	0.252412	3.643233	0.000357	0.07437
SRGAP3-AS2;OGG1;SRGAP3	-0.57032	-3.64358	0.000356	0.074315
	0.445611	3.642914	0.000357	0.074398
	0.433058	3.642628	0.000358	0.074398
ARHGEF28	-0.52132	-3.64245	0.000358	0.074398
	-0.40664	-3.6428	0.000357	0.074398
	0.412814	3.642589	0.000358	0.074398
	-0.29803	-3.64183	0.000359	0.074458
MACC1;ENSG00000271133	0.353564	3.641855	0.000359	0.074458
SRGAP3-				
AS2;ENSG00000206567;OGG1;PRRT3;JAGN1;LMCD1;ENSG000				
00269982;OR7E122P;RPU3D3;OXTR	-0.43417	-3.64186	0.000359	0.074458
ENSG00000214654;RAB14;TRAF1;PHF19	-0.56735	-3.64153	0.000359	0.074468
SMIM5;RNF157-				
AS1;FDXR;ST6GALNAC2;FOXJ1;CASKIN2;ENSG00000261335;UB				
ALD2;MXRA7;SLC16A5;SMIM6;RNF157;KCTD2;PRPSAP1;TRIM6				
5	-0.36413	-3.64134	0.000359	0.074468
	0.481874	3.64107	0.00036	0.07448
GIPC3;TJP3;TBXA2R	-0.29893	-3.64066	0.00036	0.074519
SPSB1;SLC45A1;PIK3CD;RBP7;SLC2A5;KIF1B	-0.42956	-3.64151	0.000359	0.074468
	0.399006	3.640659	0.00036	0.074519
	0.242115	3.641249	0.000359	0.074468
CDC25B;RASSF2	-0.29324	-3.6401	0.000361	0.074609
	0.335381	3.639917	0.000361	0.074609
	0.358478	3.639932	0.000361	0.074609
	0.260557	3.639082	0.000362	0.074752
	0.287372	3.639051	0.000362	0.074752
	-0.32684	-3.63872	0.000363	0.074752
	0.337118	3.63878	0.000363	0.074752
ENSG00000270614;ZNF559;SPC24;DNMT1	-0.5437	-3.63802	0.000364	0.074855
ENSG00000226963	0.423306	3.637986	0.000364	0.074855
	0.301251	3.637928	0.000364	0.074855
	-0.43194	-3.63875	0.000363	0.074752
	0.308691	3.637588	0.000364	0.074855
SAMD11;MXRA8;ENSG00000217801;ENSG00000223764	-0.32683	-3.6375	0.000364	0.074855
AHNAK	-0.30213	-3.63737	0.000364	0.074855

	0.326721	3.637304	0.000365	0.074855
	0.443579	3.637182	0.000365	0.074855
	0.259815	3.637131	0.000365	0.074855
	0.343328	3.636221	0.000366	0.075029
LRRC56;MUC5B;B4GALNT4;TSPAN4;MRPL23;IFITM1;DEAF1;SIG				
IRR;EFCAB4A;IFITM3;MUC5AC;MOB2;TALDO1	-0.45529	-3.63585	0.000366	0.075081
FAM131A	0.304408	3.635405	0.000367	0.075129
FAM201A;ENSG00000233137	-0.39531	-3.63576	0.000367	0.075081
KIDINS220;ASAP2;ADAM17;ENSG00000236008	-0.37788	-3.63681	0.000365	0.074906
	-0.44133	-3.63532	0.000367	0.075129
ELMO1	-0.55068	-3.63491	0.000368	0.075153
	0.355231	3.634829	0.000368	0.075153
	-0.40892	-3.63459	0.000368	0.075156
	-0.47077	-3.63493	0.000368	0.075153
NRXN2;STIP1;PYGM;RARRES3	-0.36975	-3.63455	0.000368	0.075156
ENSG00000141854;FBXW9;NFIX;CACNA1A;STX10;PODNL1;ASN				
A1	-0.30758	-3.63415	0.000369	0.075229
B4GALNT3	-0.41313	-3.63357	0.00037	0.075303
	-0.33427	-3.63332	0.00037	0.075303
	-0.39929	-3.63379	0.000369	0.075291
	-0.32764	-3.6332	0.00037	0.075303
	0.439443	3.633076	0.00037	0.075303
IL2RB	0.429068	3.633083	0.00037	0.075303
FUOM;TUBGCP2	-0.82049	-3.63295	0.00037	0.075303
GORASP1	-0.27441	-3.63271	0.000371	0.075333
SSPN;RASSF8-AS1;RASSF8	0.438511	3.632246	0.000371	0.075386
	0.369752	3.631882	0.000372	0.075413
	0.393664	3.632271	0.000371	0.075386
	-0.48167	-3.6319	0.000372	0.075413
PSMD13;TSPAN4;TMEM80;ODF3;CDHR5	0.491751	3.631162	0.000373	0.07547
	0.321469	3.631434	0.000372	0.07547
	-0.36931	-3.63115	0.000373	0.07547
	0.181966	3.630581	0.000373	0.075588
	-0.68733	-3.63118	0.000373	0.07547
ENSG00000261528	-0.28958	-3.63041	0.000374	0.075599
	0.299471	3.630276	0.000374	0.075599
LINC00338;TMC8	-0.41248	-3.62993	0.000374	0.075643
FOXF2	-0.50896	-3.6293	0.000375	0.075747
	0.441662	3.629852	0.000374	0.075643
	0.346184	3.628918	0.000376	0.075747
GNG7;HMHA1	-1.02504	-3.62883	0.000376	0.075747
TCF21	0.370371	3.628662	0.000376	0.075747
NFIX;ASNA1;ZNF440;FBXW9;ENSG00000267610;CALR	-0.32949	-3.62886	0.000376	0.075747
	-0.52849	-3.62806	0.000377	0.075747
	0.45217	3.627988	0.000377	0.075747
	-0.33566	-3.62781	0.000377	0.075747
	0.732555	3.627924	0.000377	0.075747

	0.404773	3.627792	0.000377	0.075747
	0.392618	3.628329	0.000377	0.075747
C16orf71;CDIP1;GLYR1;SMIM22;C16orf89;GLIS2;SRL;CORO7;SEC14L5;CREBBP;NUDT16L1;TFAP4	-0.40482	-3.62783	0.000377	0.075747
	-0.31466	-3.62738	0.000378	0.075747
	-0.44222	-3.62742	0.000378	0.075747
	0.305931	3.627373	0.000378	0.075747
	0.411002	3.627546	0.000378	0.075747
KLHDC8A;NFASC;ENSG00000229657	0.237301	3.626586	0.000379	0.075926
	0.306124	3.625655	0.00038	0.076109
	-0.24393	-3.62539	0.000381	0.076144
	0.4372	3.625264	0.000381	0.076144
	-0.64007	-3.62466	0.000382	0.076241
BATF2;CTSW;DNAJC4;NRXN2;TRPT1	0.340912	3.62465	0.000382	0.076241
GAS8;SPATA33;ENSG00000260259;GALNS;PIEZO1;SPIRE2;C16orf3;ENSG00000224888;FANCA;ENSG00000182376;URAHP;ANKRD11;ZNF778;CBFA2T3;SPG7;ENSG00000261574	-0.62353	-3.62632	0.000379	0.075962
	-0.3907	-3.62437	0.000382	0.076283
	0.296311	3.623999	0.000382	0.076348
ACKR3	0.451075	3.62341	0.000383	0.076438
	-0.37794	-3.62342	0.000383	0.076438
	0.326799	3.623054	0.000384	0.076492
CTNNA1;FAM53C;KLHL3;NME5;FAM13B	-0.5759	-3.62295	0.000384	0.076492
	-0.47277	-3.62224	0.000385	0.076508
HLA-H;HLA-K	0.414275	3.6228	0.000384	0.076499
	-0.48857	-3.62233	0.000385	0.076508
ENSG00000260057;ZNF423	-0.45061	-3.62216	0.000385	0.076508
WWC1;SLIT3;TENM2;ENSG00000248222	0.287105	3.622489	0.000385	0.076508
	0.442782	3.621882	0.000385	0.076537
IPO9;ADIPOR1;ENSG00000273478;LGR6	-0.27959	-3.62212	0.000385	0.076508
C1orf95;H3F3A;ITPKB	-0.62772	-3.62136	0.000386	0.076646
	0.381168	3.620971	0.000387	0.076716
SLC37A1;TFF1;TMPRSS3;ABCG1;LINC00479;UMODL1;RSPH1;ENSG00000235772;CBS;ENSG00000225431;TMPRSS2	-0.39342	-3.62081	0.000387	0.076726
GNL3	-0.29294	-3.62065	0.000387	0.076734
	0.366006	3.620476	0.000387	0.076746
NEBL;DNAJC1	0.438444	3.620027	0.000388	0.076799
FOXF2;GMDS;GMDS-AS1	-0.46434	-3.62006	0.000388	0.076799
	-0.43269	-3.61975	0.000388	0.076804
	0.431428	3.619887	0.000388	0.076802
CCDC11	0.36149	3.619224	0.000389	0.076877
RIBC2;CERK;ENSG00000238120;FBLN1;PPARA;GRAMD4;ENSGO0000197182	-0.49369	-3.61932	0.000389	0.076877
	0.43981	3.618771	0.00039	0.076915
	0.447987	3.618702	0.00039	0.076915



FOXF2;GMDS	0.400256	3.618302	0.00039	0.076946
	0.419843	3.618751	0.00039	0.076915
	0.279992	3.618142	0.000391	0.076946
	0.48547	3.618212	0.00039	0.076946
TJP3	0.320546	3.618075	0.000391	0.076946
	-0.52783	-3.61729	0.000392	0.077029
	0.426816	3.617293	0.000392	0.077029
	-0.56314	-3.61728	0.000392	0.077029
	0.232618	3.617261	0.000392	0.077029
	0.37913	3.616003	0.000394	0.077216
	-0.4362	-3.61609	0.000393	0.077216
COL5A3;OLFM2;CDKN2D;KRI1;PIN1;UBL5;AP1M2;ILF3;ZNF699; QTRT1;MUC16;C19orf38;ILF3-AS1;ICAM3;TMED1	-0.41582	-3.61639	0.000393	0.077216
DUSP14;SRCIN1;SYNRG	-0.51059	-3.6162	0.000393	0.077216
LINC00284;FAM216B	0.581846	3.615945	0.000394	0.077216
ENSG00000178404;TMC8;TNRC6C;CBX2;C1QTNF1;TMC6;TNRC 6C-AS1	-0.30026	-3.61533	0.000395	0.077351
	-0.36829	-3.61453	0.000396	0.077476
	0.364673	3.614375	0.000396	0.077476
ENSG00000270614;SPC24	0.401018	3.614994	0.000395	0.077408
	0.299016	3.613869	0.000397	0.077476
FSD1L	0.298528	3.614109	0.000396	0.077476
	0.37376	3.613912	0.000397	0.077476
HELLS;BLNK;TCTN3;CYP2C8;ENSG00000234026;ENSG0000023 1829;ENTPD1	-0.52033	-3.6139	0.000397	0.077476
NAV1;PHLDA3;IPO9;PKP1;ADIPOR1;CYB5R1;LAD1;RNPEP;LGR6; ENSG00000224818;ENSG00000234678;TNNT2;ENSG00000273 478;ELF3;PPFIA4;TMEM9;CSRP1;PPP1R12B;LMOD1	-0.4122	-3.61347	0.000397	0.077476
ADAMTS9-AS1;ADAMTS9-AS2	0.335422	3.613378	0.000397	0.077476
ZNF629;ITGAL;ZNF48;ZNF768;SPN	0.405648	3.613177	0.000398	0.077476
FKBP10;KRT23;IGFBP4;ACLY;MED24;TTC25;KRT20;KRT15;KRT1 0;HAP1;THRA	-0.47369	-3.61383	0.000397	0.077476
LINC00035;WBSCR22;ENSG00000233369;ABHD11;ELN	-0.32574	-3.6126	0.000398	0.077476
LIPH;MAP3K13	-0.44206	-3.61239	0.000399	0.077476
S100A13;CREB3L4;ATP8B2;NPR1;S100A9;S100A8	-0.44516	-3.6123	0.000399	0.077476
RYR2;NID1;MTR;B3GALNT2;TBCE;ACTN2	-1.1171	-3.61233	0.000399	0.077476
	0.39403	3.612239	0.000399	0.077476
ENSG00000234478;EPHX1;ENAH;ITPKB;PYCR2;C1orf95;SRP9	-0.57683	-3.61276	0.000398	0.077476
	-0.43367	-3.61207	0.000399	0.077476
EBF2;KCTD9	-0.55803	-3.61219	0.000399	0.077476
PLAC8	0.297482	3.611877	0.000399	0.077476
	0.429315	3.612078	0.000399	0.077476
LAMTOR5;PSMA5;GSTM5;SLC16A4;CSF1;AHCYL1;TAF13;SYPL2; WDR47;GNAI3	-0.33041	-3.6116	0.0004	0.077476
COL15A1	0.380973	3.611654	0.0004	0.077476

PDE6B;ENSG00000272927;RNF212;POLN;WHSC1;ENSG00000273179;FGFR3;DGKQ;PCGF3;SPON2;LETM1	-0.47765	-3.61226	0.000399	0.077476
	0.418963	3.611566	0.0004	0.077476
PDIK1L	0.340141	3.611879	0.000399	0.077476
B9D1;DHRS7B;ULK2	-0.32017	-3.61093	0.000401	0.077496
	-0.38395	-3.61086	0.000401	0.077496
	0.408302	3.611078	0.000401	0.077496
	0.462748	3.611085	0.000401	0.077496
	0.350165	3.611142	0.0004	0.077496
TBC1D22B;BTBD9;ZFAND3;CPNE5	-0.32015	-3.61047	0.000401	0.077548
	0.423489	3.610371	0.000402	0.077548
	0.228625	3.609689	0.000403	0.077548
	0.521505	3.609915	0.000402	0.077548
	0.315357	3.60978	0.000402	0.077548
	0.306905	3.609831	0.000402	0.077548
	0.306706	3.609821	0.000402	0.077548
	0.466532	3.609527	0.000403	0.077548
	0.2938	3.609375	0.000403	0.077548
PRB2	-0.31245	-3.6093	0.000403	0.077548
	0.319951	3.608767	0.000404	0.077658
UQCC2;DAXX	-0.31075	-3.60929	0.000403	0.077548
ABI3BP;NXPE3;ZNF90P1;CEP97;FILIP1L	0.419064	3.608516	0.000404	0.077658
	0.255561	3.60853	0.000404	0.077658
PHACTR1	-0.5193	-3.60812	0.000405	0.07771
TIMM23	-0.48956	-3.60784	0.000405	0.07771
	0.261279	3.60774	0.000405	0.07771
TEAD1;PARVA;DKK3	-0.47644	-3.60763	0.000406	0.07771
NLK;RAB34;TLCD1;IFT20;ANKRD13B;SUPT6H;FOXN1;TRAF4;MYO18A;FAM222B;CORO6;RPL23A;TP53I13;ALDOC;RPS7P1	-0.45128	-3.60769	0.000405	0.07771
	-0.40427	-3.60704	0.000406	0.07776
	0.378526	3.607235	0.000406	0.07776
ZNF649	-0.27365	-3.60758	0.000406	0.07771
	0.442104	3.606984	0.000406	0.07776
JTB	-0.3504	-3.60688	0.000407	0.07776
	-0.39072	-3.60677	0.000407	0.07776
	-0.34164	-3.60638	0.000407	0.077799
MSLN;CCDC78;BAIAP3;HN1L;IFT140;HAGH;MSRB1;METRN;CACNA1H;RNPS1;WDR90;HAGHL;PDPK1;ENSG00000261659;TPSD1;UBE2I;TPSAB1;TPSB2;SOX8;ABCA17P;CHTF18;GFER;TMEM204	-0.45859	-3.60652	0.000407	0.077796
	0.309584	3.606047	0.000408	0.077858
	-0.39178	-3.60507	0.000409	0.078061
RSPH4A;FAM162B;NUS1	-0.46764	-3.60488	0.00041	0.078077
ENSG00000214784	0.414439	3.604591	0.00041	0.07809
	0.368917	3.604619	0.00041	0.07809
	0.324788	3.605166	0.000409	0.078061

PPP1R7;ENSG00000223991;BOK;ENSG00000226321;ENSG00000233392;SNED1;PASK;ENSG00000216921;HDLBP;KIF1A	-1.01491	-3.60374	0.000411	0.078222
APOL3;IL2RB;KCTD17	-0.32891	-3.60382	0.000411	0.078222
	0.413784	3.603348	0.000412	0.078275
MICAL1;SMPD2	-0.33067	-3.60413	0.000411	0.078184
	0.214817	3.60282	0.000413	0.078376
	0.389744	3.603303	0.000412	0.078275
	-0.36796	-3.60266	0.000413	0.078385
	-0.37393	-3.60226	0.000413	0.078429
	0.21387	3.602433	0.000413	0.078415
	0.381425	3.601985	0.000414	0.078471
	0.344776	3.601854	0.000414	0.078473
	-0.49525	-3.60168	0.000414	0.078486
ATPIF1;C1orf172;PIGV	-0.32492	-3.60137	0.000415	0.078538
	-0.27892	-3.60063	0.000416	0.078598
LSP1	-0.39086	-3.60069	0.000416	0.078598
MUC5B;LRRC56;B4GALNT4;TSPAN4;DEAF1;MOB2;SIGIRR;MRP				
L23;IFITM10;ENSG00000250397;ANO9;EFCAB4A;H19;MUC5AC	-0.85556	-3.60104	0.000415	0.078598
	0.233472	3.600539	0.000416	0.078598
PLAT;AP3M2	0.360376	3.600756	0.000416	0.078598
ENSG00000265798;RAB11FIP4;CPD	-0.32808	-3.60008	0.000417	0.078615
	0.405133	3.600403	0.000416	0.078602
	0.326529	3.600127	0.000417	0.078615
	0.322367	3.599986	0.000417	0.078615
	0.303949	3.599446	0.000418	0.078697
	0.438877	3.59957	0.000417	0.078697
TIMP2;C1QTNF1;CBX8	-0.96704	-3.59923	0.000418	0.078724
CDKN1A	-0.28223	-3.59902	0.000418	0.078726
TBXA2R;CHAF1A	-0.31739	-3.59876	0.000419	0.078738
	0.460625	3.598973	0.000418	0.078726
RIN3;NDUFB1;SLC24A4	-0.3233	-3.59852	0.000419	0.078738
	0.436819	3.597859	0.00042	0.078738
	0.244698	3.598164	0.000419	0.078738
HCP5;TAP2	0.365282	3.597896	0.00042	0.078738
ENSG00000272374;ANKS1A;TCP11;ITPR3;FANCE;DEF6;SCUBE3				
;ENSG00000272288;TEAD3;LEMD2	-0.41045	-3.59788	0.00042	0.078738
PID1;FBXO36;DNER	-0.5005	-3.59774	0.00042	0.078738
	-0.51658	-3.59781	0.00042	0.078738
ASB2;PRIMA1;ENSG00000258987;C14orf142	0.476533	3.598128	0.00042	0.078738
MGEA5;C10orf32;KCNIP2;SFXN2;NOLC1	-0.43892	-3.59737	0.000421	0.078738
	0.162544	3.597349	0.000421	0.078738
TMEM254;ANXA11;ZCCHC24	-0.43694	-3.59697	0.000421	0.078738
C11orf30;ENSG00000179240;MAP6;ENSG00000255135	-0.29475	-3.59703	0.000421	0.078738
	-0.32797	-3.59678	0.000422	0.078738
	0.325511	3.596576	0.000422	0.078738

	0.370545	3.596582	0.000422	0.078738
INPP5K;HIC1;SCARF1;ENSG00000263050;YWHAE	-0.46742	-3.59644	0.000422	0.078738
CCDC78;IFT140;HN1L;BAIAP3;HAGH;HAGHL;PDPK1;ENSG00000261659;METRN;UBE2I;RNPS1;MSRB1;SOX8;HS3ST6;GFER;UNKL;WDR24;ENSG00000260807;CHTF18	-0.6001	-3.59656	0.000422	0.078738
MRPL23;CARS;ENSG00000255367	-0.42221	-3.59696	0.000421	0.078738
	0.267631	3.596319	0.000422	0.078738
	-0.39685	-3.59637	0.000422	0.078738
TCTE1;RSPH9;ENSG00000272442;SPATS1;HSP90AB1	-0.5289	-3.59619	0.000422	0.078738
	0.294281	3.595612	0.000423	0.078843
	0.360849	3.59611	0.000423	0.078738
	-0.3998	-3.59482	0.000425	0.079031
GNG7;ADAMTSL5;CFD;ABHD17A;BTBD2;TCF3;ARID3A;MUM1;GAMT;HMHA1	-0.42903	-3.59468	0.000425	0.079037
	0.195917	3.594149	0.000426	0.079117
ESRP2;CDH1; CIRH1A;HAS3;NFATC3	-1.05512	-3.59392	0.000426	0.079117
	0.619449	3.593826	0.000426	0.079117
	0.439321	3.59387	0.000426	0.079117
ADH4	-0.28915	-3.59334	0.000427	0.079142
	0.479912	3.593327	0.000427	0.079142
	-0.41759	-3.59368	0.000426	0.079117
GRASP;ACVRL1;KRT80;POU6F1;GALNT6;KRT18	-0.36324	-3.59366	0.000426	0.079117
ENSG00000255248;UBASH3B;HSPA8;SCN3B	0.347358	3.593214	0.000427	0.079142
LINC00899;GTSE1	-0.45363	-3.59298	0.000427	0.079173
	0.334873	3.59253	0.000428	0.07926
	-0.6224	-3.59222	0.000428	0.079268
	0.223888	3.592431	0.000428	0.07926
TRPV2	-0.6109	-3.59197	0.000429	0.079287
	0.397282	3.592158	0.000429	0.079268
	0.401974	3.591695	0.000429	0.079316
	0.461638	3.591484	0.00043	0.079316
	-0.33958	-3.59138	0.00043	0.079316
TCP11L1;PIGCP1;ENSG00000184566;CD59;DEPDC7;HIPK3;ABTB2;CCDC73	-0.43488	-3.59143	0.00043	0.079316
CLEC1A;A2M;FAM66C;FAM90A1	-0.38489	-3.59102	0.00043	0.079384
	0.327645	3.590378	0.000431	0.079464
	0.333118	3.590099	0.000432	0.079464
	-0.42515	-3.58991	0.000432	0.079464
	0.362072	3.590642	0.000431	0.079457
HN1L;UNKL;SOX8;ENSG00000260807;MSLN;POLR3K;ENSG00000260051;LUC7L;NME4;SNRNP25;RAB11FIP3;ENSG00000261505	-0.35159	-3.58997	0.000432	0.079464
NRXN2;NAALADL1;RTN3;FERMT3;MAP4K2;SNX15	0.31977	3.589611	0.000432	0.079464
SHANK2;SHANK2-AS1;SHANK2-AS3;SHANK2-AS2	0.497938	3.589534	0.000433	0.079464
	0.331742	3.589718	0.000432	0.079464
PFKP	0.412973	3.589568	0.000433	0.079464
HSPH1	-0.46613	-3.5891	0.000433	0.079472

CDCA7;GPR155;CIR1	-0.38211	-3.58949	0.000433	0.079464
	-0.30919	-3.58911	0.000433	0.079472
ACSBG1;TBC1D2B;HMG20A;TSPAN3;ENSG00000269951	-0.53033	-3.58941	0.000433	0.079464
	-0.44989	-3.58893	0.000434	0.079472
	-0.37846	-3.5889	0.000434	0.079472
WDR55;DIAPH1;HARS	-0.39564	-3.58842	0.000434	0.079553
ARL10;FGFR4;PRR7;DBN1;PDLIM7	-0.51985	-3.58838	0.000434	0.079553
	0.489034	3.587329	0.000436	0.079816
IGHG2;AHNAK2;IGHG4;IGHA2;PLD4;IGHGP	-0.57273	-3.58713	0.000436	0.079828
	0.289854	3.586926	0.000437	0.079828
	-0.51274	-3.58703	0.000436	0.079828
	-0.37991	-3.58662	0.000437	0.079842
	0.401442	3.586728	0.000437	0.079842
	0.21794	3.586515	0.000437	0.079842
TNRC6C;TMC8;C1QTNF1;TIMP2;ENSG00000178404;SYNGR2;T				
NRC6C-AS1;ENSG00000267491;CBX2	-0.56271	-3.58602	0.000438	0.079949
PIAS2	-0.2694	-3.58587	0.000438	0.079958
HRH1;TIMP4	-0.49092	-3.58566	0.000439	0.079983
KMT2A;PHLDB1;UBE4A;ATP5L	-0.38132	-3.58521	0.000439	0.080043
LRRC56;SIGIRR;B4GALNT4;MUC5AC;RASSF7;MUC5B;TSPAN4;T				
ALDO1;EFCAB4A;DEAF1	-0.4314	-3.58504	0.00044	0.080059
	-0.32941	-3.58529	0.000439	0.080043
SLC31A1;AKNA	0.336683	3.584138	0.000441	0.080249
	0.474892	3.584058	0.000441	0.080249
RGS22	-0.50073	-3.58389	0.000441	0.080249
TRAPPC2L	0.242746	3.583706	0.000442	0.080249
	-0.56719	-3.58365	0.000442	0.080249
	0.451001	3.583862	0.000441	0.080249
	-0.42554	-3.58338	0.000442	0.080258
ZNF876P	-0.32037	-3.58348	0.000442	0.080258
	0.451801	3.583112	0.000443	0.080301
GVINP1;TPP1	0.361074	3.582704	0.000443	0.080367
PSMG3	-0.54081	-3.58264	0.000443	0.080367
	0.333437	3.582076	0.000444	0.080431
ALDH1L2	-0.41574	-3.58243	0.000444	0.080393
	0.316721	3.582063	0.000444	0.080431
CXCL12;ZNF487;HNRNPF;RASGEF1A;ZNF33B;ZNF37BP;CSGALN				
ACT2;ZNF239;ENSG00000236114	-0.39	-3.58182	0.000445	0.080451
	0.299998	3.581503	0.000445	0.080451
	-0.43082	-3.58151	0.000445	0.080451
ENSG00000255248	-0.54119	-3.58127	0.000446	0.080451
	0.405268	3.581162	0.000446	0.080451
	0.384355	3.581196	0.000446	0.080451
ARL4C;MSL3P1;SH3BP4	-0.5304	-3.5812	0.000446	0.080451
	-0.61997	-3.58072	0.000446	0.080476
	0.382037	3.58091	0.000446	0.080455
	0.33576	3.581009	0.000446	0.080455

ATP8B2;MUC1;SYT11;SHE;SLC50A1;TDRD10;ASH1L;MTX1;RAB25;ARHGEF2;PBXIP1;ENSG00000232093	-0.62985	-3.58001	0.000448	0.080644
	0.359769	3.579563	0.000448	0.080689
	0.273164	3.579691	0.000448	0.080689
	0.29627	3.579156	0.000449	0.080689
	0.367877	3.579098	0.000449	0.080689
	0.44256	3.578975	0.000449	0.080689
	-0.3636	-3.57901	0.000449	0.080689
	-0.25175	-3.57928	0.000449	0.080689
	0.375839	3.578794	0.000449	0.080689
	-0.26877	-3.57831	0.00045	0.080761
PLEKHA1;FGFR2	-0.5034	-3.57845	0.00045	0.080753
BAI1	-0.35468	-3.57771	0.000451	0.080898
	-0.50708	-3.57735	0.000452	0.080955
AOC3;STAT5B;COASY;CNTNAP1;BECN1;ATP6V0A1;COA3;RUND C1;ENSG00000236194;MPP2;PTRF;MEOX1;VPS25;RAMP2;TUB G2	-0.38851	-3.57716	0.000452	0.080955
	0.433942	3.578875	0.000449	0.080689
	0.345635	3.577268	0.000452	0.080955
	0.38422	3.5764	0.000453	0.081094
KANSL3;ARID5A	0.412794	3.576381	0.000453	0.081094
	0.362325	3.576323	0.000453	0.081094
	-0.62446	-3.57583	0.000454	0.081186
MEGF6;TP73-AS1;CEP104;DFFB;PRDM16;TPRG1L	0.446287	3.575462	0.000455	0.081186
	0.321991	3.575344	0.000455	0.081186
PIKFYVE	-0.47107	-3.57539	0.000455	0.081186
DLL4;C15orf52;RMDN3;CHP1	0.382212	3.575485	0.000455	0.081186
	0.435451	3.5753	0.000455	0.081186
GSKIP;BDKRB1;ATG2B;SYNE3	-0.48525	-3.57485	0.000456	0.08122
	0.441961	3.574828	0.000456	0.08122
	0.23204	3.574994	0.000456	0.08122
	0.290627	3.574419	0.000457	0.081248
	0.349678	3.574382	0.000457	0.081248
GP5	-0.37682	-3.57444	0.000456	0.081248
ARHGEF10;MYOM2	-0.45009	-3.57409	0.000457	0.081265
ENSG00000214797;MS4A8;TCN1;SLC25A47P1;ENSG00000225802;STX3;MS4A2;DTX4;FAM111A	-0.59708	-3.57399	0.000457	0.081265
ENSG00000225302;CASC2	-0.46209	-3.57385	0.000457	0.081265
KPNA7;BAIAP2L1;BHLHA15;TMEM130;TECPR1;ENSG00000272950;BRI3	-1.07333	-3.57395	0.000457	0.081265
	0.371983	3.573368	0.000458	0.081301
CWC15	-0.4067	-3.57303	0.000459	0.081301
TBC1D10C;PTPRCAP	0.351722	3.572896	0.000459	0.081301
	0.348533	3.573437	0.000458	0.081301
RPS17L	-0.3908	-3.57263	0.000459	0.081301
TMEM8A	0.468656	3.572985	0.000459	0.081301
MYO7A	-0.45759	-3.57261	0.000459	0.081301

BTRC;DPCD;LDB1;GBF1;ARL3	-0.29682	-3.57279	0.000459	0.081301
CIPC;VASH1;GPATCH2L	-0.36935	-3.57237	0.00046	0.081301
	0.340264	3.572204	0.00046	0.081301
RER1;MEGF6;TPRG1L	0.449605	3.572071	0.00046	0.081301
CCDC37;ROPN1B;FAM86JP;ALG1L;CHCHD6;ALDH1L1	0.378505	3.572114	0.00046	0.081301
	-0.24616	-3.57195	0.000461	0.081301
	0.463933	3.572048	0.00046	0.081301
	0.209389	3.571863	0.000461	0.081301
LTBP2;GPATCH2L;MLH3;IFT43;TGFB3;PGF;ISCA2;AREL1	-0.40847	-3.57201	0.00046	0.081301
CNNM2;CYP17A1	-0.49201	-3.57152	0.000461	0.081367
SLC37A1;TMPRSS2;RIPK4;PDE9A;RSPH1;LINC00111;C21orf128; TMPRSS3;CBS;ENSG00000225431;ENSG00000235772	-0.39717	-3.57105	0.000462	0.081394
	-0.28556	-3.57136	0.000462	0.08138
LIMS2;GPR17;MYO7B;ERCC3	-0.29865	-3.57102	0.000462	0.081394
	0.42206	3.570516	0.000463	0.081489
ENSG00000257556;PACS2;JAG2;XRCC3	-0.31878	-3.57096	0.000462	0.081394
	-0.34841	-3.56977	0.000464	0.081606
ENSG00000248954;COL1A1;PPP1R9B	-0.28649	-3.56977	0.000464	0.081606
	0.423744	3.569893	0.000464	0.081606
C6orf57	-0.48608	-3.56938	0.000465	0.081662
BCDIN3D-AS1	-0.27472	-3.56934	0.000465	0.081662
	-0.22407	-3.56919	0.000465	0.081672
AP5M1	0.272983	3.569029	0.000465	0.081682
	0.367836	3.568922	0.000466	0.081682
PITPNB;TTC28;UQCR10;MN1	-0.4131	-3.56803	0.000467	0.08184
ENSG00000257815;PTPRB;TMEM19;KCNMB4	-0.43632	-3.56803	0.000467	0.08184
	0.474167	3.567842	0.000467	0.081862
	-0.46272	-3.56859	0.000466	0.081746
	0.392477	3.567648	0.000468	0.081885
	0.451705	3.567407	0.000468	0.081901
MT1E	0.310889	3.567243	0.000468	0.081901
	0.259888	3.567041	0.000469	0.081927
	-0.34539	-3.56734	0.000468	0.081901
SEZ6L2;QPRT	-0.42633	-3.56667	0.000469	0.081969
FANCC;ENSG00000223849;PTCH1;MIR27B	-0.31564	-3.56664	0.000469	0.081969
	0.403135	3.566453	0.00047	0.081969
	-0.30754	-3.56615	0.00047	0.081969
TRIP13;NKD2;C5orf55;AHRR;ENSG00000225138	-0.48768	-3.56607	0.00047	0.081969
IL17RD	-0.61058	-3.56582	0.000471	0.081969
RRP12	-0.34349	-3.56574	0.000471	0.081969
	0.350885	3.565629	0.000471	0.081969
PITPNM2;ENSG00000256546;ENSG00000251497;WDR66;ATP6 VOA2	-0.61031	-3.56584	0.000471	0.081969
ITPKB;H3F3A;ADCK3	-0.41262	-3.5655	0.000471	0.081975
	-0.26612	-3.56571	0.000471	0.081969
	-0.34351	-3.56513	0.000472	0.081992

HS3ST6;IL32;HN1L;ENSG00000262370	-0.37131	-3.56515	0.000472	0.081992
	0.27513	3.564944	0.000472	0.081992
CCDC74B;ARHGEF4;PTPN18	-0.38985	-3.56505	0.000472	0.081992
	0.455107	3.564864	0.000472	0.081992
	-0.38811	-3.56471	0.000473	0.082002
ALDH1L1;SLC12A8	0.287642	3.565763	0.000471	0.081969
	0.316897	3.564432	0.000473	0.082051
ZNF649;ZNF808;FPR3	-0.20012	-3.56414	0.000473	0.082099
TRAF3IP1	-0.34983	-3.56404	0.000474	0.082099
ENSG00000225652	-0.54907	-3.56371	0.000474	0.082147
TMC8;TMC6;TNRC6C-AS1	-0.42712	-3.56364	0.000474	0.082147
ENSG00000250132	-0.38842	-3.56332	0.000475	0.082147
	-0.43705	-3.56328	0.000475	0.082147
GOLGA5	0.274005	3.563193	0.000475	0.082147
	0.356097	3.56268	0.000476	0.082262
	-0.51592	-3.5625	0.000476	0.082282
MCU;PLAU	-0.57978	-3.56228	0.000477	0.082311
CAPN5;SERPINH1;DGAT2	0.444356	3.563188	0.000475	0.082147
TSPAN1;GPBP1L1;PRDX1;IPP;PIK3R3;LURAP1;TMEM69;TCTEX1				
D4;AKR1A1	-0.42544	-3.56185	0.000477	0.08237
	-0.42326	-3.56197	0.000477	0.082369
	-0.73823	-3.56137	0.000478	0.082479
SPARCL1;PKD2;NAP1L5;ABCG2	-0.56746	-3.56094	0.000479	0.08257
	0.397474	3.560392	0.00048	0.082664
PSMG3	0.507111	3.560394	0.00048	0.082664
PACSIN2;EFCAB6-AS1	-0.63989	-3.55983	0.000481	0.082795
	0.296028	3.559245	0.000482	0.082925
PNKD;TTLL4;CCDC108;GLB1L;TUBA4B;DNAJB2;C2orf62;STK36;				
RQCD1;TNS1;SLC11A1;STK16;CXCR2;WNT10A;PLCD4;ANKZF1	-0.80873	-3.55916	0.000482	0.082925
	0.29207	3.558696	0.000483	0.083028
	0.28025	3.558575	0.000483	0.083031
	-0.29057	-3.55826	0.000483	0.083058
KCNJ1;TMEM45B;C11orf45;KCNJ5;ENSG00000272412;ARHGAP				
32	-0.42673	-3.55787	0.000484	0.083138
	-0.41626	-3.55835	0.000483	0.083058
	0.297132	3.556893	0.000486	0.083392
	-0.24959	-3.55664	0.000486	0.08343
	0.337494	3.55631	0.000487	0.08343
CDH4	0.358855	3.556396	0.000487	0.08343
	0.186598	3.556311	0.000487	0.08343
	0.313067	3.55582	0.000488	0.083542
CARD11;TTYH3	-0.43292	-3.55538	0.000488	0.083576
RARRES1;MLF1	-0.52547	-3.55512	0.000489	0.083615
	-0.30387	-3.55537	0.000488	0.083576
PLD2;ASPA;TRPV3	-0.33841	-3.55539	0.000488	0.083576
	-0.32572	-3.55487	0.000489	0.083634



SLC16A10;ENSG00000237234;LAMA4;ENSG00000226440;ENSG00000271208;ENSG00000270661;ENSG00000255389	-0.35858	-3.55472	0.00049	0.083634
RUFY4	0.266588	3.554428	0.00049	0.083634
	0.408986	3.554585	0.00049	0.083634
C17orf97;SLC43A2;MYO1C;NXN;GEMIN4;ENSG00000262133;ENSG00000263050;DOC2B	-0.58272	-3.55444	0.00049	0.083634
ENSG00000269982	0.277661	3.554266	0.00049	0.083634
	0.485787	3.554372	0.00049	0.083634
	0.254221	3.554059	0.000491	0.083641
	0.28942	3.554015	0.000491	0.083641
FUOM;PWWP2B	-0.41397	-3.55371	0.000491	0.083697
SRGAP1;PPM1H;RASSF3;TMEM5;TBC1D30	-0.54184	-3.5536	0.000491	0.083697
	-0.54551	-3.55321	0.000492	0.083745
	0.422625	3.553133	0.000492	0.083745
	-0.30399	-3.55307	0.000492	0.083745
	-0.32512	-3.55299	0.000493	0.083745
	0.242225	3.552174	0.000494	0.083881
FADS3;RAB3IL1;C11orf48;LRRN4CL;INTS5	-0.3511	-3.5521	0.000494	0.083881
	0.205665	3.551905	0.000494	0.083881
	0.358431	3.551879	0.000495	0.083881
GABBR1;HLA-A	0.258998	3.551863	0.000495	0.083881
PIGU	-0.32602	-3.55175	0.000495	0.083881
	-0.28685	-3.55184	0.000495	0.083881
	-0.40964	-3.55143	0.000495	0.08392
KCNK1	-0.30778	-3.55109	0.000496	0.08392
ENSG00000224049;ETV5;MASP1	-0.67547	-3.55094	0.000496	0.08392
	0.45421	3.550494	0.000497	0.08392
	0.45235	3.550384	0.000497	0.08392
CTSS;POGZ	-0.37296	-3.55068	0.000497	0.08392
	-0.31003	-3.55031	0.000497	0.08392
	-0.53468	-3.55025	0.000497	0.08392
	-0.44896	-3.55093	0.000496	0.08392
PITPNM2;WDR66	-0.31493	-3.55022	0.000497	0.08392
SRD5A3	-0.91875	-3.55016	0.000498	0.08392
	-0.40303	-3.55026	0.000497	0.08392
	0.248506	3.550277	0.000497	0.08392
MAP3K3;ACE;MRC2;METTL2A	-0.44069	-3.54998	0.000498	0.083942
LRR59;NXPH3;SLC35B1;COL1A1;SGCA;LUC7L3;SAMD14;MRPL27;MBTD1	0.293004	3.549725	0.000498	0.083983
ZDHC14	0.24994	3.549193	0.000499	0.084074
	0.182617	3.54959	0.000499	0.08399
	0.27152	3.549026	0.0005	0.084091
	-0.5661	-3.54881	0.0005	0.084099
CDKN1A	-0.37084	-3.54867	0.0005	0.084099
	-0.33641	-3.54869	0.0005	0.084099
	0.402055	3.548506	0.0005	0.084113
SMG1P1	-0.37125	-3.54811	0.000501	0.084156

LINC00426;LINC00365	-0.40117	-3.54803	0.000501	0.084156
	0.345026	3.548043	0.000501	0.084156
	0.469399	3.547754	0.000502	0.084205
	0.454937	3.54749	0.000502	0.08425
	-0.33216	-3.5473	0.000503	0.084273
TCEANC2	0.360763	3.546593	0.000504	0.084405
	-0.34148	-3.54681	0.000503	0.084387
MXRA7;TNRC6C;CYGB;TK1;SYNGR2	-0.35179	-3.54644	0.000504	0.084405
	0.325035	3.546304	0.000504	0.084405
	0.46454	3.546312	0.000504	0.084405
SAMD11;MXRA8	-0.28704	-3.54563	0.000506	0.084535
LRRC56;SIGIRR;TSPAN4;MUC5AC;CD151;TALDO1;DEAF1	-0.6952	-3.54561	0.000506	0.084535
VCAM1;S1PR1;RTCA	-0.36571	-3.54554	0.000506	0.084535
	0.431808	3.545341	0.000506	0.08456
	0.37658	3.54497	0.000507	0.084572
ZNF440;CCDC151;ZNF627;KANK2;AP1M2;ZNF20;KRI1;RGL3;DO				
CK6;QTRT1;PDE4A;ILF3;CNN1;ZNF833P;ZNF69;ELOF1;ECSIT;SW				
SAP1;ZNF844;CDKN2D	-0.49624	-3.54506	0.000507	0.084572
TRIM65;MXRA7;GALK1	-0.23524	-3.54497	0.000507	0.084572
	0.263276	3.544547	0.000507	0.084665
CLHC1;C2orf73;CCDC104	-0.45143	-3.54421	0.000508	0.084683
	0.224923	3.544234	0.000508	0.084683
	0.407108	3.544157	0.000508	0.084683
	0.249293	3.543873	0.000509	0.084734
LPCAT1;PDCD6;TPPP;TRIP13;NKD2	-0.52425	-3.54361	0.000509	0.084734
	0.33555	3.543543	0.000509	0.084734
	-0.31478	-3.54357	0.000509	0.084734
RNU1-1	-0.31154	-3.54339	0.00051	0.084746
	-0.3411	-3.54305	0.00051	0.084796
MYO7A;SLCO2B1	0.301388	3.542812	0.000511	0.084796
	0.459576	3.542842	0.000511	0.084796
	-0.40939	-3.54273	0.000511	0.084796
RAB3IL1;MS4A8;CD6;SLC15A3;VPS37C;FADS2	0.371029	3.542678	0.000511	0.084796
	0.331391	3.542122	0.000512	0.084929
	-0.37616	-3.54194	0.000512	0.084951
	0.423312	3.541186	0.000514	0.085077
	0.279539	3.540965	0.000514	0.085077
IQCA1;AGAP1	-0.37159	-3.54076	0.000514	0.085077
ARHGEF10	0.325616	3.540686	0.000514	0.085077
	-0.32058	-3.54109	0.000514	0.085077
	0.568899	3.540772	0.000514	0.085077
KIAA0895	0.428888	3.540521	0.000515	0.085077
LINC01121	0.369898	3.540496	0.000515	0.085077
MLLT4;ENSG00000228648;FGFR1OP	-0.46375	-3.54042	0.000515	0.085077
CPT1C	0.27849	3.540422	0.000515	0.085077
TMEM212	-0.33608	-3.53994	0.000516	0.08519
ADAMTSL2	0.479844	3.539768	0.000516	0.085208

	0.217108	3.539417	0.000517	0.085257
FCGRT;FUT2	0.563332	3.539386	0.000517	0.085257
COL18A1;ICOSLG;ADARB1;COL18A1- AS1;CSTB;TRPM2;LRRC3DN	-0.45187	-3.53897	0.000518	0.085338
DLG2	-0.35841	-3.5389	0.000518	0.085338
TMEM254;ZMIZ1;ANXA11;PPIF;ZCCHC24	-0.32305	-3.53812	0.000519	0.085461
	0.208037	3.537899	0.00052	0.085461
MEOX1;ATP6V0A1;GPATCH8;RUNDC1;CNTNAP1;AOC3;RAMP2 ;COA3;BECN1;VPS25;TMEM106A;BRCA1;CNTD1;COASY	-0.50038	-3.53816	0.000519	0.085461
ENSG00000180747	0.353744	3.537614	0.00052	0.085461
IL32	-0.22611	-3.53761	0.00052	0.085461
EBF3;MGMT	-0.33839	-3.53788	0.00052	0.085461
	0.286649	3.537635	0.00052	0.085461
	0.439551	3.537441	0.00052	0.085481
	-0.27079	-3.53781	0.00052	0.085461
	0.429801	3.536769	0.000522	0.085636
	0.462144	3.53668	0.000522	0.085636
GIMAP5;GIMAP7;GIMAP6;GIMAP4;GIMAP2;GIMAP1	-0.39851	-3.53636	0.000522	0.085636
	0.408287	3.536318	0.000522	0.085636
	0.294467	3.53625	0.000523	0.085636
	0.293961	3.536267	0.000523	0.085636
ZBTB47;ZNF662;FAM198A	0.342839	3.536147	0.000523	0.085636
CXCL12;ZNF487;ZNF33B;HNRNPF;ENSG00000236114;CSGALNA CT2;RASGEF1A;ZNF37BP;ZNF239	-0.37942	-3.5359	0.000523	0.085636
ROR1	-0.50497	-3.53586	0.000523	0.085636
	0.400679	3.535837	0.000523	0.085636
ENSG00000234869;CERK;PKDREJ	-0.57038	-3.53571	0.000524	0.08564
	-0.51272	-3.53534	0.000524	0.085714
GNG7;GNA15;MUM1;ADAMTSL5;ZNF57;GAMT;ZNF554;TLE2;T CF3;OAZ1	-0.35092	-3.53519	0.000525	0.085714
	-0.47636	-3.53507	0.000525	0.085714
	0.205209	3.534865	0.000525	0.085733
KIAA1958;SUSD1;PTBP3;LRRC37A5P;UGCG;PTGR1;HSDL2;C9orf 84	-0.51699	-3.53504	0.000525	0.085714
	-0.41356	-3.53456	0.000526	0.085792
	0.190136	3.534081	0.000527	0.085872
	0.263992	3.534314	0.000526	0.085834
HPSE2;MARVELD1;RRP12;FRAT1;SFRP5;FRAT2;R3HCC1L	-0.40164	-3.53392	0.000527	0.085888
	-0.59192	-3.53353	0.000528	0.085973
	0.387256	3.532498	0.00053	0.086253
	0.262584	3.532306	0.00053	0.086279
	0.385527	3.532045	0.00053	0.086326
	0.214629	3.53188	0.000531	0.086343
	-0.40073	-3.5314	0.000532	0.086424
	-0.37466	-3.53148	0.000531	0.086424
GPR183	0.32642	3.530961	0.000532	0.086524

	0.437618	3.530766	0.000533	0.086548
NRXN2;STIP1;CTSW;SLC25A45;SIPA1	-0.4089	-3.53047	0.000533	0.086548
STPG1;IL22RA1;LYPLA2;ID3;GALE;LUZP1	-0.42426	-3.53044	0.000533	0.086548
SALL2;TTC5;ANG;CCNB1IP1;ARHGEF40;ZNF219;ENSG00000258768;METTL3	-0.53026	-3.53034	0.000534	0.086548
PHLPP1	-0.37603	-3.52981	0.000535	0.086678
PLEKHB1;DNAJB13;POLD3;PPME1;ENSG00000255847;C2CD3;PGM2L1;FCHSD2;ENSG00000254837;UCP2	-0.42185	-3.53054	0.000533	0.086548
	-0.23014	-3.5294	0.000535	0.086754
	0.218912	3.529213	0.000536	0.086761
NACAD	0.285442	3.529345	0.000535	0.086754
EVC;S100P;EVC2;CRMP1;SORCS2;CCDC96;KIAA0232;PSAPL1;ENSG00000251580	-0.41119	-3.5289	0.000536	0.086823
TMPRSS3;SLC37A1;TFF3;RSPH1;ENSG00000225431;TMPRSS2;LINCO0111	-0.63654	-3.52866	0.000537	0.086843
	0.414407	3.528545	0.000537	0.086843
	0.470319	3.528179	0.000538	0.086897
C16orf93;ENSG00000260908;PHKG2;DOC2A;ENSG00000260219;QPRT;MVP;TUFM;ZNF688;ENSG00000196927;PPP4C;ENSG0000271699;CDIPT;SEPT1	-0.35392	-3.52851	0.000537	0.086843
	0.394837	3.528124	0.000538	0.086897
	0.243067	3.527643	0.000539	0.086934
BLNK	0.373084	3.52758	0.000539	0.086934
	-0.25073	-3.52756	0.000539	0.086934
USP2;C2CD2L;CBL;NLRX1	-0.33284	-3.52777	0.000538	0.086934
RNLS;ACTA2;PAPSS2;ACTA2-AS1;KLLN	-0.48667	-3.52729	0.000539	0.086934
	-0.38811	-3.52725	0.000539	0.086934
	-0.40956	-3.52731	0.000539	0.086934
BNIP1	-0.33836	-3.52711	0.00054	0.086946
CAPN9;ENSG00000244137;FAM89A;SPRTN;GNPAT	-0.51062	-3.5263	0.000541	0.087127
MUC13	-0.56661	-3.52635	0.000541	0.087127
NDUFS6	0.258288	3.526161	0.000541	0.087136
GCN1L1;OASL;RNU4-1	-0.29939	-3.52572	0.000542	0.087238
	0.378524	3.525559	0.000543	0.087255
ZAP70;REV1;KIAA1211L;MGAT4A	-0.57307	-3.52529	0.000543	0.087305
MVP	-0.37156	-3.52489	0.000544	0.087335
	0.410627	3.524932	0.000544	0.087335
	0.374243	3.524734	0.000544	0.087335
PLCD3;MAP3K14;ACBD4;MAPT;HEXIM1;NMT1;KANSL1	-0.75991	-3.52478	0.000544	0.087335
	-0.23444	-3.52455	0.000545	0.087335
SDF2;RPS7P1	0.211182	3.524556	0.000545	0.087335
FGF2	-0.59594	-3.52385	0.000546	0.087484
RARRES3	-0.26087	-3.52406	0.000545	0.087455
	0.350522	3.523529	0.000546	0.087518
	0.283028	3.523572	0.000546	0.087518
B3GNT5;FAM131A;KLHL6;CHRD;YEATS2	-0.43092	-3.52338	0.000547	0.087531
RPN2	0.277075	3.523076	0.000547	0.087558

FAM178A	0.281494	3.522973	0.000548	0.087558
	0.312563	3.523213	0.000547	0.08755
	0.333101	3.522722	0.000548	0.087603
	0.35795	3.522095	0.000549	0.087675
	0.33948	3.522177	0.000549	0.087675
ROBO4;VSIG2;SIAE;PKNOX2;FEZ1	-0.40987	-3.52186	0.00055	0.087675
	-0.45969	-3.52165	0.00055	0.087675
HHIPL1;MEG3;ENSG00000232018	-0.32914	-3.5214	0.000551	0.087675
	0.439999	3.521341	0.000551	0.087675
	0.339992	3.521225	0.000551	0.087675
	0.382601	3.521028	0.000551	0.087675
RPL41	-0.33446	-3.52109	0.000551	0.087675
ARRB2;PLD2;ENSG00000261863;MIS12;ZFP3;SCIMP;KIF1C	-0.33284	-3.52104	0.000551	0.087675
MFAP2;PADI1	-0.47352	-3.52095	0.000551	0.087675
CACHD1	0.462445	3.520803	0.000552	0.087675
	0.258783	3.520551	0.000552	0.087675
LGR6;ADIPOR1;PPP1R12B;FMOD;PPFIA4;CYB5R1;PRELP;ETNK2	-0.38443	-3.52048	0.000552	0.087675
	-0.39831	-3.5206	0.000552	0.087675
SLC30A9;APBB2	-0.46101	-3.52037	0.000553	0.087675
	0.283294	3.520355	0.000553	0.087675
TP53AIP1;FLI1;ARHGAP32;ETS1;SENCR	-0.70851	-3.52034	0.000553	0.087675
	0.251682	3.520263	0.000553	0.087675
STMN3	-0.35374	-3.52035	0.000553	0.087675
	0.452374	3.520598	0.000552	0.087675
	-0.26463	-3.51932	0.000555	0.087768
RHPN1-AS1;FAM83H-				
AS1;MAPK15;BAI1;RHPN1;ENSG00000255224;ZNF623;ENSG0000254973	-0.29298	-3.51933	0.000555	0.087768
	0.410919	3.519271	0.000555	0.087768
	0.172366	3.519179	0.000555	0.087768
PIF1;IGDCC4	-0.39036	-3.51905	0.000555	0.087768
RAB40B	0.314202	3.51903	0.000555	0.087768
CAPN2	-0.72842	-3.51901	0.000555	0.087768
	-0.31851	-3.51903	0.000555	0.087768
	-0.27472	-3.51902	0.000555	0.087768
MYCBPAP;ENSG00000248954;TOB1-				
AS1;COL1A1;PPP1R9B;MBTD1;ENSG00000247011;ABCC3;TOB1	-0.40412	-3.51854	0.000556	0.087785
KIAA0513;FENDRR;FOXF1	-0.39418	-3.51849	0.000556	0.087785
	0.307557	3.518333	0.000557	0.087785
FAM160A1	0.329323	3.518187	0.000557	0.087785
DOPEY2	-0.53878	-3.51843	0.000556	0.087785
RINL;GMFG;MAP4K1	0.384019	3.517953	0.000557	0.087785
PTH1R;LARS2;LZTFL1	-0.37416	-3.51795	0.000557	0.087785
	-0.20417	-3.51815	0.000557	0.087785

CDIP1	0.322765	3.517802	0.000558	0.087785
	-0.82765	-3.5176	0.000558	0.087785
	-0.47615	-3.51759	0.000558	0.087785
CD209	0.330435	3.517632	0.000558	0.087785
RPL27A	0.306096	3.51747	0.000558	0.08779
STAG3;ZNF3;ZKSCAN1;GAL3ST4;ENSG00000239521;ZCWPW1	-0.23187	-3.51769	0.000558	0.087785
	0.381726	3.517219	0.000559	0.087803
	-0.69536	-3.5171	0.000559	0.087808
HES2;ESPN;CAMTA1;THAP3	-0.33059	-3.51723	0.000559	0.087803
	0.406435	3.516676	0.00056	0.087871
	-0.44478	-3.51658	0.00056	0.087871
MAP4K1	0.375676	3.516659	0.00056	0.087871
	-0.41957	-3.51611	0.000561	0.087939
	0.275304	3.51609	0.000561	0.087939
MYBL2	0.296248	3.516039	0.000561	0.087939
	-0.59424	-3.51594	0.000561	0.087939
	0.358683	3.515755	0.000562	0.08795
SMOC2;THBS2	0.269475	3.515694	0.000562	0.08795
	0.406255	3.515339	0.000562	0.088028
	0.316792	3.515138	0.000563	0.088058
GPSM1;EGFL7;SEC16A;FAM69B	0.510094	3.514953	0.000563	0.088083
	0.412724	3.514638	0.000564	0.088148
	0.492275	3.514426	0.000564	0.088181
ITGB7;NCKAP1L;CBX5	0.479948	3.513981	0.000565	0.088239
	-0.9129	-3.5141	0.000565	0.088239
	-0.33966	-3.51391	0.000565	0.088239
SH3BP2	0.321956	3.513687	0.000566	0.088239
	0.217263	3.513616	0.000566	0.088239
	0.351445	3.513568	0.000566	0.088239
CLDN5	-0.42039	-3.51323	0.000567	0.088239
	-0.61311	-3.51323	0.000567	0.088239
	-0.37795	-3.51321	0.000567	0.088239
HCP5;HLA-E;HSPA1A	0.360247	3.513096	0.000567	0.088239
	-0.41015	-3.51315	0.000567	0.088239
	-0.38701	-3.51273	0.000568	0.088278
LINC00939;BRI3BP	0.45107	3.512567	0.000568	0.088278
	-0.31792	-3.51251	0.000568	0.088278
	-0.38467	-3.51263	0.000568	0.088278
HEPHL1	-0.42289	-3.51245	0.000568	0.088278
	0.36038	3.511818	0.000569	0.088442
	0.450557	3.511507	0.00057	0.088506
TRIM39	0.520028	3.511303	0.00057	0.088538
	-0.45268	-3.51112	0.000571	0.088549
	0.450909	3.511061	0.000571	0.088549
LOH12CR1;ATF7IP	0.410954	3.510698	0.000572	0.088607
	-0.38352	-3.51046	0.000572	0.088607
KIF3B;BPIFB1;BPIFB2;CBFA2T2				
TACC3				
CHCHD3				
HNRNPRP1				
SEC23B				

	0.39783	3.510525	0.000572	0.088607
	0.392669	3.510272	0.000573	0.088607
C1QTNF7;ENSG00000251379	0.510811	3.510255	0.000573	0.088607
ENSG00000141854;PODNL1;SYDE1;CD97;NOTCH3	0.320042	3.510253	0.000573	0.088607
	0.448939	3.510141	0.000573	0.088609
	-0.45558	-3.50961	0.000574	0.088741
	0.256953	3.509128	0.000575	0.088858
	0.318496	3.509031	0.000575	0.088858
PSMG3;PRKAR1B;GPR146;SUN1;MAD1L1	-0.345	-3.50873	0.000576	0.088887
	0.48995	3.508756	0.000576	0.088887
	-0.31651	-3.50834	0.000576	0.088891
	0.398938	3.508354	0.000576	0.088891
	0.350612	3.508234	0.000577	0.088891
	0.323464	3.508191	0.000577	0.088891
	0.401912	3.508155	0.000577	0.088891
	0.267426	3.508101	0.000577	0.088891
	-0.33245	-3.50774	0.000578	0.088972
	0.442053	3.507611	0.000578	0.088974
NCKAP5;NCKAP5-IT1;MGAT5;MAP3K19	-0.45355	-3.50753	0.000578	0.088974
	0.453972	3.507285	0.000579	0.089
	0.372824	3.507226	0.000579	0.089
TRPM2	0.341948	3.507136	0.000579	0.089
	-0.36058	-3.50632	0.000581	0.089223
FHAD1;DNAJC16;ENSG00000228140;RSG1;CROCC;KAZN;FBLIM1;ENSG00000237301;ENSG00000233421;NECAP2;CLCNKA;ARHGEF19;HSPB7;CLCNKB;DDI2;ANO7P1	-0.34135	-3.50606	0.000581	0.089271
EVC;S100P;EVC2;KIAA0232;CCDC96;CRMP1;PSAPL1;SORCS2	-0.44405	-3.50575	0.000582	0.089304
MYEOV2	0.541661	3.505352	0.000582	0.089373
TSTA3	-0.31418	-3.50528	0.000583	0.089373
	0.26742	3.505224	0.000583	0.089373
	-0.38469	-3.50495	0.000583	0.0894
	0.358988	3.504929	0.000583	0.0894
NWD1;OCEL1;ENSG00000267275;C19orf44;RAB3A;PLVAP;USHBP1;COLGALT1;SIN3B;NR2F6;ARRDC2;B3GNT3	-0.4727	-3.5058	0.000582	0.089304
	-0.34059	-3.50483	0.000584	0.0894
	0.349298	3.504678	0.000584	0.089416
	-0.31784	-3.50444	0.000584	0.089458
FAM41C;SAMMD11;TUBB8P11;MXRA8;TTLL10;ENSG00000223764;CALML6	-0.33186	-3.50425	0.000585	0.089486
	0.237325	3.50406	0.000585	0.089513
	0.301467	3.503555	0.000586	0.089599
	-0.4049	-3.50348	0.000586	0.089599
SH3BP4	-0.58229	-3.50378	0.000586	0.08957
KRT16P3;MAP2K3	-0.31459	-3.50329	0.000587	0.089625
	0.310304	3.503188	0.000587	0.089627
NKD2;PDCD6;SDHA	0.392521	3.503033	0.000587	0.089643

	0.375069	3.502446	0.000588	0.089757
	-0.44491	-3.50234	0.000589	0.089757
	0.447815	3.502152	0.000589	0.089757
	-0.45653	-3.50214	0.000589	0.089757
FARP1	0.270762	3.502004	0.000589	0.089757
RBPM5	0.355731	3.501974	0.000589	0.089757
TET1;TSPAN15	-0.29854	-3.50167	0.00059	0.089815
ANXA11	0.398695	3.501485	0.00059	0.089824
FGFR1;GPR124;TACC1	0.487297	3.501439	0.000591	0.089824
TPST1	-0.47825	-3.50131	0.000591	0.089832
ZCCHC7	-0.35353	-3.50113	0.000591	0.089857
KIAA1755;TGIF2;SAMHD1;VSTM2L;MYL9;SOGA1	-0.35961	-3.501	0.000591	0.089866
	0.338262	3.501957	0.000589	0.089757
	-0.40287	-3.50082	0.000592	0.08989
IQCA1	-0.51875	-3.50046	0.000593	0.089898
	0.392025	3.500703	0.000592	0.089895
CACNA1H;MSRB1	-0.37107	-3.5002	0.000593	0.089898
	0.337955	3.500168	0.000593	0.089898
	-0.42593	-3.50005	0.000593	0.089898
	-0.40832	-3.50002	0.000593	0.089898
LPHN2	0.462182	3.499986	0.000594	0.089898
	0.263465	3.500031	0.000593	0.089898
ENSG00000260977;EPCAM;KCNK12	-0.40781	-3.49979	0.000594	0.089908
	0.456083	3.499753	0.000594	0.089908
F10;GAS6;TMEM255B;TMCO3;TFDP1;TUBGCP3;GRTP1	-1.17222	-3.49936	0.000595	0.089954
	0.283793	3.499334	0.000595	0.089954
ISL1	-0.47781	-3.49928	0.000595	0.089954
	-0.35457	-3.49893	0.000596	0.089954
	-0.60915	-3.49889	0.000596	0.089954
	0.30906	3.498718	0.000596	0.089954
RB1CC1	-0.4464	-3.49864	0.000596	0.089954
SLC45A1;RERE;SPSB1;ENO1	-0.43252	-3.49842	0.000597	0.089954
ASAP2;CPSF3;KLF11	-0.46332	-3.4983	0.000597	0.089954
	-0.26964	-3.49813	0.000597	0.089954
DEGS2;EML1;MEG3;MEG8;ENSG00000271417;HHIPL1;CCDC85				
C;BEGAIN;ENSG00000225746;RTL1;BCL11B;SLC25A29;WARS;				
WDR25	-0.4788	-3.49892	0.000596	0.089954
	-0.28866	-3.49807	0.000598	0.089954
TTC39B;FREM1	-0.44904	-3.49805	0.000598	0.089954
HES6;COL6A3;TRAF3IP1;UBE2F;COPS8;RAB17	-0.28691	-3.49802	0.000598	0.089954
	-0.44554	-3.49814	0.000597	0.089954
NHP2	-0.54909	-3.49793	0.000598	0.089954
MISP;PPAP2C;ARID3A	0.27093	3.497887	0.000598	0.089954
ING5;SNED1	0.373084	3.497561	0.000599	0.089994
ATM	0.406988	3.497568	0.000599	0.089994
MYO6	-0.30361	-3.49746	0.000599	0.089995



TIMP2;C1QTNF1;ENSG00000178404;USP36;DNAH17;TMC8;ENSG00000267491;TNRC6C;SEC14L1;TNRC6C-AS1	-0.33864	-3.49735	0.000599	0.089996
APITD1;TMEM201;CASZ1;UBE4B;LZIC	-0.51684	-3.49655	0.000601	0.090171
ZFP2;LMAN2	-0.34838	-3.49649	0.000601	0.090171
APPL2;C12orf75;CHST11;ENSG00000214198;TXNRD1;GLT8D2;C12orf73	-0.66488	-3.49664	0.000601	0.090171
CYB5R1;LGR6	0.304553	3.4963	0.000601	0.090171
	-0.48314	-3.49597	0.000602	0.090241
CAV1	-0.28718	-3.49583	0.000602	0.090255
	-0.41483	-3.49562	0.000603	0.090289
C1QTNF7;ENSG00000251379;CD38;PROM1;FBXL5	0.457369	3.496295	0.000601	0.090171
	0.306423	3.495233	0.000603	0.090379
PTP4A3;SLC45A4	-0.46252	-3.49471	0.000605	0.090514
	-0.52385	-3.49441	0.000605	0.090577
	-0.29882	-3.49409	0.000606	0.090592
	0.468557	3.493685	0.000607	0.090592
	0.309864	3.49352	0.000607	0.090592
	0.42232	3.493519	0.000607	0.090592
	-0.30379	-3.49369	0.000607	0.090592
	-0.45385	-3.49344	0.000607	0.090592
	0.449239	3.493434	0.000607	0.090592
	-0.35298	-3.49339	0.000607	0.090592
	0.418056	3.49341	0.000607	0.090592
IRX5	-0.45762	-3.49325	0.000608	0.090592
ROBO4	0.397288	3.493167	0.000608	0.090592
KDM2A;ANKRD13D	-0.2887	-3.49316	0.000608	0.090592
ENSG00000129951;SCAMP4;PPAP2C	0.26219	3.492929	0.000608	0.090602
GTF2E2;RBPMS;LINC00589	0.415361	3.492824	0.000609	0.090602
	0.327193	3.4926	0.000609	0.090602
SLC44A4;VWA7;LY6G5C;HSPA1L;NRM;TRIM39;NELFE;PPP1R18;TCF19;GNL1;PPP1R11;PPP1R10;BAG6;DHX16;CCHCR1;DDR1;HCG4P3	-0.3508	-3.49259	0.000609	0.090602
CACNA1A;ENSG00000141854;IL27RA;MAN2B1;ZNF20;ZNF709;FBXW9	-0.3191	-3.49233	0.00061	0.090602
ATF7IP2	-0.4109	-3.4924	0.000609	0.090602
GNA15;TJP3;GIPC3	-0.46036	-3.49235	0.00061	0.090602
	0.43758	3.492411	0.000609	0.090602
TMEM254;ZMIZ1;SFTPD;TMEM254-AS1;PPIF;ZCCHC24;MAT1A	-0.76164	-3.49158	0.000611	0.090772
VAMP2;ARHGEF15;CLDN7;NLGN2	-0.42582	-3.49138	0.000612	0.090772
	0.29466	3.491333	0.000612	0.090772
	0.364317	3.491295	0.000612	0.090772
	0.438167	3.492163	0.00061	0.090624
	-0.5397	-3.49068	0.000613	0.090937
	0.306321	3.490517	0.000614	0.090956
	-0.36321	-3.49036	0.000614	0.090975
	-0.35205	-3.49022	0.000614	0.090988

PLA2G4C;TEAD2;CARD8;RCN3;FUT2;RASIP1;PRRG2;CPT1C;CYT H2;HRC;RRAS;FAM83E;VRK3;FCGRT;EMP3;RUVBL2 RASA3;PCID2;DCUN1D2;GAS6 PPP1R18;DDR1;TNXB;NOTCH4;CLIC1;SLC44A4	-0.71451 -0.57314 -0.40048 0.448094	-3.49006 -3.48997 -3.48988 3.489745	0.000614 0.000615 0.000615 0.000615	0.091001 0.091001 0.091001 0.091004
STOX1;TET1;TSPAN15;CCAR1	-0.36805 -0.29369	-3.48954 -3.48958	0.000616 0.000616	0.091004 0.091004
RINL	0.327424 0.399101	3.489464 3.489376	0.000616 0.000616	0.091004 0.091004
MBP	0.333849	3.489265	0.000616	0.091008
MISP;REEP6;ARID3A;MOB3A;HMHA1;GPX4	-0.3366 0.479103 -0.26706 -0.39189 -0.34123	-3.48906 3.488702 -3.48847 -3.48829 -3.48836	0.000617 0.000617 0.000618 0.000618 0.000618	0.09104 0.091123 0.091161 0.091161 0.091161
CCDC144NL;TMEM11	-0.37909 0.644138 0.19492 0.446038	-3.48817 3.487884 3.487604 3.487502	0.000619 0.000619 0.00062 0.00062	0.091167 0.091227 0.091253 0.091253
PPP1R10;PPP1R18;TRIM31;DDR1;NRM	-0.36924 0.276247 0.226342	-3.48743 3.487407 3.486848	0.00062 0.00062 0.000621	0.091253 0.091253 0.091399
NT5M;LRRC48;TVP23B;SHMT1;FBXW10;TRIM16L;PRPSAP2;ENS G00000232344;ALKBH5 SETP21 IPP;PRDX1;GPBP1L1;HPDL;TMEM69;CCDC163P AMOTL1;MTMR2;FUT4;MAML2;JRKL;LINC01171	-0.58439 0.618703 -0.65922 -0.52079 0.338502	-3.48672 3.486636 -3.48638 -3.48636 3.486222	0.000622 0.000622 0.000622 0.000622 0.000623	0.091404 0.091404 0.091411 0.091411 0.091411
ENSG00000229852;MTO1;KCNQ5;SLC17A5;KHDC1;MB21D1	-0.40178 0.479181	-3.486 3.485982	0.000623 0.000623	0.091411 0.091411
SOX17	0.41656 -0.27918 0.430509 0.516496 0.516803 -0.38895 0.424817	3.485934 -3.48593 3.485747 3.485625 3.485514 -3.48518 3.484934	0.000623 0.000623 0.000624 0.000624 0.000624 0.000625 0.000626	0.091411 0.091411 0.091436 0.091444 0.091448 0.091522 0.091566
ZNF362;SMIM12	-0.3513 -0.27149 0.271135	-3.48485 -3.4847 3.484612	0.000626 0.000626 0.000626	0.091566 0.091579 0.091579
ECHS1	0.224248	3.484418	0.000627	0.0916
ABCC5	-0.43796	-3.48432	0.000627	0.0916
PSMC3	-0.25791 0.313884	-3.48425 3.484031	0.000627 0.000628	0.0916 0.091639
DCHS1;OLFML1;ILK;ZNF214;STK33 ARHGEF1;GRIK5	0.321926 -0.31704	3.483625 -3.48334	0.000628 0.000629	0.091738 0.091787

	0.603293	3.483277	0.000629	0.091787
KAZN	0.363296	3.483176	0.000629	0.091787
	0.361697	3.483027	0.00063	0.091794
EVC;S100P;EVC2;TBC1D14	-0.49592	-3.48291	0.00063	0.091794
HILPDA;SMO;UBE2H;NRF1;IRF5;RBM28;SMKR1;KLHDC10	0.410982	3.482392	0.000631	0.091794
TTC7B;TC2N;NDUFB1;CALM1;TRIP11;CPSF2	-0.56493	-3.48235	0.000631	0.091794
	-0.52224	-3.48239	0.000631	0.091794
	0.325626	3.482391	0.000631	0.091794
HORMAD1;FAM63A	-0.43107	-3.48237	0.000631	0.091794
GGA2;NDUFAB1;UBFD1;PRKCB	-0.5062	-3.4823	0.000631	0.091794
SMIM14;UGDH;WDR19;FAM114A1	-0.4738	-3.48228	0.000631	0.091794
PIF1;PLEKHO2;APH1B;SNX1;ANKDD1A;HERC1;CSNK1G1	0.656998	3.481468	0.000633	0.092021
ACACB;WSCD2	0.323023	3.481241	0.000634	0.092063
	0.330887	3.480853	0.000635	0.092156
SPINT1;RMDN3;DLL4;VPS18	0.282867	3.480543	0.000635	0.092224
	-0.24041	-3.48016	0.000636	0.092315
FGFR4	-0.49319	-3.4798	0.000637	0.092402
	-0.52522	-3.47927	0.000638	0.092506
	0.40957	3.479107	0.000638	0.092506
TRAF5;NEK2;INTS7	-0.55823	-3.47904	0.000639	0.092506
	-0.45417	-3.47898	0.000639	0.092506
CDIP1;C16orf71;SMIM22;GLYR1;C16orf89;CORO7;GLIS2;SEC14				
L5;CREBBP;SRL	-0.41433	-3.47896	0.000639	0.092506
	-0.3379	-3.47889	0.000639	0.092506
	0.372774	3.47872	0.000639	0.092529
HRH1	-0.46527	-3.47859	0.00064	0.092539
	-0.28999	-3.47775	0.000641	0.092734
IL6ST	-0.35794	-3.4777	0.000642	0.092734
FAM43A;GP5;ATP13A3	-0.35886	-3.47766	0.000642	0.092734
KIF26A;IGHG2;IGHGP;IGHA2;CEP170B;C14orf2;PLD4;AHNAK2;C				
14orf80	-0.44122	-3.47753	0.000642	0.092734
	-0.32753	-3.47743	0.000642	0.092734
FZD5;IDH1	-0.303	-3.47732	0.000642	0.092734
MYCBPAP;CACNA1G;TOB1-AS1;ACSF2;ABCC3;CHAD	-0.52478	-3.47721	0.000643	0.092734
	-0.39746	-3.47711	0.000643	0.092734
SNHG6	-0.21394	-3.47715	0.000643	0.092734
	0.346188	3.476689	0.000644	0.092801
	0.542099	3.476541	0.000644	0.092801
	0.300529	3.476467	0.000644	0.092801
TTYH2;HN1;UNC13D;SLC9A3R1	-0.46326	-3.47641	0.000644	0.092801
	0.337436	3.476324	0.000645	0.092801
FCHSD2	-0.38958	-3.47633	0.000645	0.092801
ENSG00000249279	0.402012	3.476124	0.000645	0.092835
CNTNAP1;HAP1;RAMP2-				
AS1;BECN1;TUBG2;ENSG00000267221;RAMP2;ACLY;PLEKHH3;				
PSME3;FKBP10;EZH1;COA3;AOC3	-0.3343	-3.47567	0.000646	0.092924
GAS6;TMEM255B;F10;MCF2L;GAS6-AS1;TMCO3	0.356696	3.475655	0.000646	0.092924

	0.162473	3.475339	0.000647	0.09297
NOTUM	-0.29643	-3.47515	0.000647	0.09297
CCM2L	-0.27323	-3.47512	0.000647	0.09297
	0.444718	3.475126	0.000647	0.09297
	0.160794	3.474928	0.000648	0.093003
PIP;EPHB6;TRPV6;ZYG;ENSG00000232533;KEL;ENSG00000253882;CASP2;FAM131B;EPHA1	-0.35893	-3.47456	0.000649	0.093091
F10	0.399566	3.474268	0.000649	0.093123
CCDC135;C16orf80;KATNB1;ENSG00000260467;BBS2;MT1F;ENSG00000260438;MT1G;MT3;ENSG00000261302;CCDC102A	-0.4367	-3.47418	0.000649	0.093123
ABCA4;ARHGAP29;ENSG00000233129	0.428492	3.474065	0.00065	0.093123
	-0.28595	-3.47399	0.00065	0.093123
	-0.38603	-3.47398	0.00065	0.093123
	0.245805	3.473703	0.000651	0.093181
	0.225111	3.473047	0.000652	0.093362
FCRL5;MEX3A;SH2D2A	-0.38882	-3.47294	0.000652	0.093365
	0.330129	3.472566	0.000653	0.093425
	0.204088	3.472582	0.000653	0.093425
	-0.32155	-3.4723	0.000654	0.09348
CLDN5;RANBP1;UFD1L;MRPL40	-0.58739	-3.47219	0.000654	0.093484
	0.350517	3.472024	0.000654	0.093484
	-0.51596	-3.47186	0.000655	0.093484
C2orf54	-0.39732	-3.47196	0.000654	0.093484
NUP50;ENSG00000197182;CERK;ENSG00000235347;ENSG0000231010	0.324445	3.471666	0.000655	0.093484
IRF4	0.374742	3.471577	0.000655	0.093484
GOLGA3	0.346935	3.471615	0.000655	0.093484
SQLE;TRMT12;ZNF572;ENSG00000271975	-0.3476	-3.47142	0.000656	0.093484
ENSG00000273179	0.54707	3.471442	0.000656	0.093484
TTC22	0.298443	3.471074	0.000656	0.093512
	0.332371	3.471057	0.000657	0.093512
	0.348398	3.471047	0.000657	0.093512
CXCL12;ZNF239;RASGEF1A;ZNF487;HNRNP;ZNF33B;ZNF37BP	-0.2993	-3.47069	0.000657	0.093512
	-0.36917	-3.47066	0.000657	0.093512
	0.382108	3.470533	0.000658	0.093512
	-0.28058	-3.47042	0.000658	0.093512
	-0.58031	-3.47039	0.000658	0.093512
KIF3B;SNTA1;COMMD7;BPIFB1;CBFA2T2;CHMP4B	-0.33844	-3.47038	0.000658	0.093512
CDC20	0.360078	3.47039	0.000658	0.093512
ATP6V1D	0.41528	3.470241	0.000658	0.093516
SKI;ENSG00000269896;ATAD3A;ENSG00000271847;PRKCZ;VWA1;ANKRD65;RER1;CALML6	-0.38252	-3.47018	0.000659	0.093516
TRAC;RBM23	-0.51105	-3.47005	0.000659	0.093526

SEC14L1;UBALD2;RNF157- AS1;FOXJ1;SPHK1;ST6GALNAC2;PRPSAP1;ENSG00000267506; MXRA7;TNRC6C;CYGB;ST6GALNAC1	-0.52416 -0.43759	-3.46981 -3.46949	0.000659 0.00066	0.093572 0.093629
LRRC37A4P;FMNL1	-0.43691	-3.46936	0.00066	0.093629
TBC1D27;ENSG00000226145;TRPV2;TOM1L2;RAI1-AS1;SMCR5 CD63;WIBG;TMEM198B;PAN2;LRP1 OAZ1;PCSK4;SCAMP4;GNA11;REEP6;GNG7	-0.53511 -0.34377 -0.78761 0.416759 -0.39783	-3.46929 -3.46925 -3.46914 3.469056 -3.46883	0.000661 0.000661 0.000661 0.000661 0.000662	0.093629 0.093629 0.093632 0.093632 0.093658
ZBTB9	-0.28329	-3.46877	0.000662	0.093658
FAT4	-0.44525 0.306678 -0.47873	-3.46869 3.468518 -3.46843	0.000662 0.000662 0.000663	0.093658 0.09368 0.09368
C12orf55;EEF1A1P33;ENSG00000258343;ELK3;NEDD1;USP44;F GD6 ENSG00000257298	-0.37965 0.226182 -0.37646 -0.274	-3.4681 3.467452 -3.46737 -3.46722	0.000663 0.000665 0.000665 0.000665	0.093756 0.093933 0.093933 0.093947
SHANK2;SHANK2-AS3 TTYH2;HN1	0.4887 -0.4123 -0.21284	3.467055 -3.46704 -3.46689	0.000666 0.000666 0.000666	0.093947 0.093947 0.093966
MASP1;LPP;TPRG1;ENSG00000224049;ENSG00000213132	-0.58325 0.30444 -0.45195	-3.46656 3.466539 -3.46641	0.000667 0.000667 0.000667	0.094018 0.094018 0.094028
KIAA1614	-0.34831 0.492517 0.240077 -0.3794 -0.32971	-3.46617 3.466256 3.466083 -3.46593 -3.46587	0.000668 0.000668 0.000668 0.000668 0.000668	0.094043 0.094043 0.094043 0.09405 0.09405
SLC23A1;SPATA24;ECSCR;TMEM173;CYSTM1;KDM3B;NRG2;CX XC5;MZB1	-0.22437 0.505846 0.536984 -0.4074	-3.4657 3.465305 3.464661 -3.46475	0.000669 0.00067 0.000671 0.000671	0.094075 0.094173 0.094322 0.094322
PPFIBP1 MRPL23;TSPAN4;ENSG00000251661;IFITM1;LRRC56;C11orf89; ATHL1	-0.43025 -0.35081 0.382619 -0.40002 0.402916 0.367717	-3.4644 -3.46444 3.464338 -3.46403 3.463789 3.463234	0.000672 0.000672 0.000672 0.000673 0.000673 0.000675	0.094335 0.094335 0.094335 0.094405 0.094453 0.094589
KAZN;FHAD1;DNAJC16	0.41149	3.463185	0.000675	0.094589
BNIP1;ERGIC1;RPL26L1	0.286835 0.413828	3.463033 3.462843	0.000675 0.000676	0.094608 0.094639

RUNX3;CD52	0.263421	3.462333	0.000677	0.094775
ALS2CR11	-0.3769	-3.46182	0.000678	0.094903
	0.327494	3.461652	0.000678	0.094907
	-0.31682	-3.46176	0.000678	0.094903
ASB2;PRIMA1;PPP4R4;UNC79;ENSG00000258987;C14orf142;S				
ERPINA6	-0.40995	-3.46142	0.000679	0.094952
	0.279755	3.461033	0.00068	0.095048
	0.306722	3.460656	0.000681	0.095101
	0.494402	3.460424	0.000681	0.095101
MYC	-0.40424	-3.46078	0.00068	0.095101
MEG3;ENSG00000225746;MEG8;ENSG00000271417;DEGS2;B				
EGAIN;HHIPL1;RTL1;ENSG00000232018;EML1;WARS	-0.50329	-3.46028	0.000682	0.095101
INPP5D	-0.45289	-3.4603	0.000682	0.095101
TMC8;TNRC6C-AS1;TMC6;DNAH17	-0.43127	-3.46028	0.000682	0.095101
HMCN1;EDEM3	-0.37061	-3.46003	0.000682	0.09513
	0.309182	3.460213	0.000682	0.095101
ITGA10;NBPF9;LIX1L;ENSG00000225241	0.375838	3.459739	0.000683	0.095155
	0.219844	3.459802	0.000683	0.095155
SHQ1	-0.39655	-3.45963	0.000683	0.095155
	0.549264	3.45958	0.000683	0.095155
	0.414188	3.459201	0.000684	0.095207
IQCG;LMLN;BDH1;KIAA0226	-0.59558	-3.45918	0.000684	0.095207
ENSG00000233068;FAM50B;ENSG00000260604	0.401619	3.459141	0.000684	0.095207
	-0.36573	-3.45882	0.000685	0.095281
	-0.39859	-3.45857	0.000686	0.095333
IRF8;FOXL1	-0.4621	-3.45836	0.000686	0.095372
	0.271365	3.458172	0.000687	0.095403
FAM83H-AS1;RHPN1-				
AS1;ARHGAP39;EEF1D;MAPK15;ENSG00000254973;ZNF34;TO				
P1MT	-0.36414	-3.45786	0.000687	0.095451
	0.42366	3.45784	0.000687	0.095451
	-0.4436	-3.45767	0.000688	0.095477
GFER	0.401463	3.457466	0.000688	0.095513
	-0.35324	-3.45734	0.000689	0.095522
	0.417645	3.457249	0.000689	0.095523
	-0.34636	-3.45705	0.000689	0.095556
	0.328878	3.456923	0.00069	0.095569
FDFT1;C8orf12;ENSG00000255122;FAM167A;RPS3AP34;FAM8				
6B2;ENSG00000238460	-0.34654	-3.45677	0.00069	0.095589
	0.384774	3.456614	0.00069	0.095609
	-0.40251	-3.45628	0.000691	0.09569
LINC00899	-0.39627	-3.45613	0.000691	0.095707
NOTUM;SLC25A10;OGFOD3;ENSG00000265458;BAIAP2	-0.50485	-3.45589	0.000692	0.095719
KLHL7-AS1	0.409374	3.455878	0.000692	0.095719
	0.283338	3.455748	0.000692	0.095719
LRRC48;ENSG00000232344;ATPAF2	-0.24178	-3.45569	0.000692	0.095719
	-0.33764	-3.45557	0.000693	0.095719

SDK1	0.320493	3.455478	0.000693	0.095719
	0.634372	3.455442	0.000693	0.095719
	0.317807	3.454957	0.000694	0.095787
	0.472697	3.45496	0.000694	0.095787
	-0.5646	-3.45497	0.000694	0.095787
ENSG00000264198	0.194534	3.454459	0.000695	0.095916
ADAM33;HSPA12B;CDC25B;FASTKD5;SLC4A11	0.267309	3.454261	0.000696	0.095916
KALRN	-0.23489	-3.45405	0.000696	0.095916
LAMTOR2;ETV3;CCT3	-0.32286	-3.45403	0.000696	0.095916
	0.334974	3.453856	0.000697	0.095916
MIR143HG;MIR145;PDGFRB;ENSG00000253864;MIR143;MYO				
Z3;SYNPO;ABLIM3;CSNK1A1;HMGXB3;SLC26A2;NDST1;ARSI	-0.52047	-3.45389	0.000697	0.095916
	0.370869	3.453823	0.000697	0.095916
PRSS54	0.402439	3.453731	0.000697	0.095916
	-0.59099	-3.45368	0.000697	0.095916
PWWP2B	0.582275	3.453638	0.000697	0.095916
	0.244402	3.453432	0.000698	0.095954
RAN	0.421593	3.453167	0.000699	0.095962
	0.321895	3.453132	0.000699	0.095962
	-0.51177	-3.45309	0.000699	0.095962
TOP2A;RAPGEFL1;PPP1R1B;ENSG00000266208;KRT20;CDC6	-0.45078	-3.45304	0.000699	0.095962
CFB	0.269021	3.452497	0.0007	0.096103
ENSG00000273179	-0.36967	-3.45237	0.000701	0.096103
	0.242038	3.45233	0.000701	0.096103
PDCD6;TPPP;SLC9A3;LPCAT1;ENSG00000188242;NKD2;ENSG0				
0000225138;ENSG00000268885;TRIP13	-0.60993	-3.45224	0.000701	0.096103
	-0.33933	-3.45205	0.000701	0.096135
	-0.23589	-3.45186	0.000702	0.096135
	-0.47365	-3.45194	0.000702	0.096135
FHAD1;DNAJC16;ENSG00000228140;RSG1;KAZN;NECAP2;ENS				
G00000233421;ENSG00000237301;ARHGEF19;CLCNKA;FBLIM				
1;CROCCP3;CLCNKB;HSPB7;DDI2;ANO7P1	-0.49609	-3.45176	0.000702	0.096135
	-0.32076	-3.4516	0.000702	0.096135
ECSCR;WDR55;DNAJC18;IK;TMEM173;PURA;IGIP;PCDHB3	-0.57011	-3.45159	0.000702	0.096135
STX18;STK32B	-0.45227	-3.45124	0.000703	0.096177
	0.361498	3.451122	0.000704	0.096177
STYK1;LOH12CR1;TAS2R30;TAS2R15	-0.58097	-3.45122	0.000703	0.096177
	0.491445	3.451095	0.000704	0.096177
SARDH;COL5A1;ADAMTSL2;SLC2A6	-0.30882	-3.45086	0.000704	0.096222
	-0.55612	-3.45068	0.000705	0.096254
	-0.32551	-3.45032	0.000706	0.096311
S1PR2	-0.21594	-3.45035	0.000705	0.096311
	-0.26768	-3.45006	0.000706	0.096319
MRPL14;SLC29A1;CDC5L;TMEM63B	-0.31153	-3.44987	0.000707	0.096319

ZC2HC1C;TTLL5;CCDC176;ENSG00000259319;IFT43;ACYP1;ISC A2;ENSG00000259103;FCF1	-0.37479	-3.44988	0.000707	0.096319
	0.290746	3.449845	0.000707	0.096319
SLC22A17	0.297277	3.449837	0.000707	0.096319
ENSG00000250848	0.327066	3.449532	0.000707	0.096333
	0.549666	3.449424	0.000708	0.096333
	0.309221	3.449332	0.000708	0.096333
	-0.34567	-3.44909	0.000709	0.096333
ENSG00000233369	-0.35003	-3.44925	0.000708	0.096333
SLBP;TMED11P;ENSG00000227189;SLC26A1;ENSG0000027258 8	0.310651	3.448972	0.000709	0.096333
	-0.38469	-3.44895	0.000709	0.096333
	0.279443	3.448848	0.000709	0.096333
UNC13B;RUSC2;TLN1;DNAJB5;STOML2;GLIPR2;CLTA;TPM2;VC P;GNE;HINT2;PIGO;RMRP	0.389793	3.448746	0.000709	0.096333
GNA14;ENSG00000231373;PCSK5;VPS13A;RFK	-0.42813	-3.44869	0.000709	0.096333
	0.409806	3.448604	0.00071	0.096333
	-0.21782	-3.44842	0.00071	0.096333
MRVI1	0.327822	3.448359	0.00071	0.096333
	-0.34323	-3.44831	0.00071	0.096333
TTC9;GALNT16	-0.47346	-3.44823	0.000711	0.096333
CPSF6;IFNG-AS1	-0.48459	-3.44824	0.000711	0.096333
	0.26104	3.448422	0.00071	0.096333
SEZ6L2;SEPHS2;PRRT2;TGFB1I1;MVP;PPP4C;PRSS53;PRSS8 POGZ	0.224489	3.448025	0.000711	0.096341
	0.291099	3.448027	0.000711	0.096341
	-0.31276	-3.44765	0.000712	0.096404
	0.440324	3.447711	0.000712	0.096404
	0.319327	3.447519	0.000712	0.096418
	-0.27866	-3.44733	0.000713	0.096437
	0.257619	3.447244	0.000713	0.096437
GAN;CMIP	-0.43749	-3.44719	0.000713	0.096437
	-0.30215	-3.44694	0.000714	0.096491
	0.348822	3.446588	0.000715	0.096576
SEPT11;SOWAHB	0.431646	3.446448	0.000715	0.096592
	0.348911	3.446234	0.000716	0.096633
	-0.35733	-3.44605	0.000716	0.096665
	0.378822	3.445757	0.000717	0.096701
	0.295286	3.445764	0.000717	0.096701
	-0.42433	-3.44561	0.000717	0.096721
	-0.42286	-3.44509	0.000718	0.096812
TGFBR3;HFM1	-0.44866	-3.44503	0.000719	0.096812
FAM120A;ECM2;OGN;OMD;ASPN;IPPK;ANKRD19P	0.387301	3.444829	0.000719	0.096812
	0.367311	3.444838	0.000719	0.096812
IDI1	-0.63697	-3.44484	0.000719	0.096812
TRAF3IP1;LINC01107;RAB17;COL6A3;LRRFIP1;HES6;TWIST2;CO PS8;ENSG00000232306;MLPH	-0.4643	-3.44479	0.000719	0.096812



	-0.42087	-3.44444	0.00072	0.096896
SMAP2;CITED4;TRIT1;ZMPSTE24;RIMS3;NFYC;KCNQ4	-0.37372	-3.44407	0.000721	0.096991
FAM83H-AS1;RHPN1-				
AS1;ARHGAP39;EEF1D;TOP1MT;ZNF34;ENSG00000254973;MA				
PK15	-0.36444	-3.44374	0.000722	0.097031
TRIM2;ARFIP1;KIAA0922	-0.32761	-3.4436	0.000722	0.097031
C1orf168;PPAP2B	-0.37226	-3.44363	0.000722	0.097031
	-0.28821	-3.44359	0.000722	0.097031
TSPAN4;IFITM2;IFITM1	0.34135	3.443217	0.000723	0.097045
CATSPERB	-0.40076	-3.44333	0.000723	0.097045
PMAIP1;ZNF532	-0.43987	-3.44317	0.000723	0.097045
	0.351639	3.443106	0.000723	0.097045
	-0.27638	-3.443	0.000724	0.097045
	0.398167	3.44303	0.000724	0.097045
	-0.33581	-3.44261	0.000725	0.097116
ZNF423;ADCY7;ENSG00000261685;NKD1;ENSG00000260029	-0.47926	-3.44264	0.000724	0.097116
	-1.15482	-3.44241	0.000725	0.097143
BZW1;NDUFB3	0.458107	3.442346	0.000725	0.097143
DCLK2;LRBA	-0.48609	-3.44216	0.000726	0.097149
GLT8D2;APPL2	-0.36374	-3.44206	0.000726	0.097149
	-0.28986	-3.44196	0.000726	0.097149
	-0.48925	-3.44196	0.000726	0.097149
	0.540638	3.441784	0.000727	0.097149
ANTXRPL1	0.239912	3.441783	0.000727	0.097149
	0.519436	3.441527	0.000727	0.097205
	0.260801	3.441242	0.000728	0.097262
	-0.30726	-3.44108	0.000728	0.097262
	0.319551	3.441136	0.000728	0.097262
DNAAF2;ENSG00000258450	-0.57866	-3.44066	0.000729	0.097354
	0.339185	3.440374	0.00073	0.097354
ENSG00000206113;ENSG00000248399;ENSG00000249428;W				
HSC1;SH3BP2;NOP14	-0.47649	-3.44037	0.00073	0.097354
	0.420991	3.440351	0.00073	0.097354
	0.278428	3.44027	0.00073	0.097354
	-0.34595	-3.44041	0.00073	0.097354
	0.395995	3.44013	0.000731	0.09737
	0.262311	3.4398	0.000732	0.097451
	0.515929	3.439322	0.000733	0.097582
	0.394376	3.43894	0.000734	0.09768
	0.344805	3.438679	0.000734	0.097719
	-0.43194	-3.43865	0.000735	0.097719
SHANK2-AS1;SHANK2;SHANK2-AS2;SHANK2-				
AS3;ENSG00000227726	0.425166	3.438409	0.000735	0.097744
ARHGAP11B	-0.4139	-3.4383	0.000735	0.097744
PLCG2;ENSG00000260682;GAN;CDYL2	-0.51133	-3.43839	0.000735	0.097744
	0.384669	3.438169	0.000736	0.097758

ALDH1A3;TARSL2;DNM1P47;ENSG00000232386	-0.43453	-3.43785	0.000737	0.097834
ENSG00000267848;C20orf195;STMN3;SLC2A4RG;SOX18;ZNF512B;LINC00176	-0.46634	-3.43771	0.000737	0.097838
RBM23;ZFHX2;REM2	0.34582	3.437662	0.000737	0.097838
	-0.74097	-3.43755	0.000737	0.097844
	0.269726	3.437314	0.000738	0.097885
	-0.29858	-3.43725	0.000738	0.097885
BIN2	0.513743	3.437044	0.000739	0.097925
	0.42427	3.436824	0.000739	0.097969
WDR24;METRN;HBA1	0.255953	3.436452	0.00074	0.098056
	0.322586	3.436216	0.000741	0.098056
	0.607896	3.436127	0.000741	0.098056
	-0.72354	-3.43612	0.000741	0.098056
EFCAB7;ROR1;DNAJC6;ENSG00000223949	-0.47338	-3.43594	0.000741	0.098056
BTN3A1;BTN3A2;ASS1P1;BTN2A2	0.319673	3.436165	0.000741	0.098056
	-0.29368	-3.43584	0.000742	0.098057
ENSG00000259881	-0.39909	-3.43595	0.000741	0.098056
	0.212938	3.435438	0.000743	0.098141
	0.397353	3.435202	0.000743	0.098153
NID2;FERMT2;ERO1L;GNPNAT1;DDHD1;ENSG00000237356	-0.51814	-3.43533	0.000743	0.098141
CES1P1	0.351602	3.435362	0.000743	0.098141
	0.397754	3.435103	0.000744	0.098157
	0.323662	3.434766	0.000744	0.098184
	0.384465	3.434755	0.000744	0.098184
	-0.37519	-3.43476	0.000744	0.098184
	-0.45345	-3.43414	0.000746	0.098341
	0.405176	3.434023	0.000746	0.098341
FOXF1;FENDRR;ENSG00000261175;FOXL1;SLC7A5	-0.63007	-3.43407	0.000746	0.098341
WDR66;LRRC43;MORN3;TMEM120B;KNTC1;BCL7A;ANAPC5;CAMKK2;HNF1A;VPS33A;ENSG00000256546;DIABLO;ORAI1	-0.93529	-3.43356	0.000748	0.098469
ARHGEF15;BCL6B;CLDN7;ATP1B2;ENSG00000270606;MPDU1;NLGN2;MIR497HG;SLC2A4	0.407316	3.433109	0.000749	0.098591
ENSG00000253853;CSMD1	0.503008	3.432656	0.00075	0.098642
	0.446434	3.432718	0.00075	0.098642
	0.368049	3.432684	0.00075	0.098642
WDR45B;PCYT2;SLC25A10;ENSG00000265678;LRRC45;NOTUM	-0.32369	-3.4326	0.00075	0.098642
NME4;SOX8;ENSG00000260807	-0.60454	-3.43234	0.000751	0.098644
KIRREL	0.429003	3.432273	0.000751	0.098644
	0.383574	3.432107	0.000751	0.098644
	0.258725	3.432032	0.000752	0.098644
MAP3K13;LIPH	0.397303	3.431952	0.000752	0.098644
ZNF354C;RNF130;MAML1;CNOT6;ADAMTS2;TBC1D9B	-0.42212	-3.43198	0.000752	0.098644
ASPA;ATP2A3;TRPV3;HIC1;RAP1GAP2	-0.43184	-3.43192	0.000752	0.098644
LRRC15;GP5;FAM43A	-0.63171	-3.43176	0.000752	0.098655

SCN2B;MCAM;FXVD2;PHLDB1	0.448893	3.43188	0.000752	0.098644
	-0.32689	-3.43163	0.000753	0.09867
	0.412881	3.431517	0.000753	0.098677
	0.394779	3.431047	0.000754	0.098807
	0.351047	3.430895	0.000754	0.098828
ENSG00000215244;FBXO18;UCN3;ENSG00000212743	-0.30247	-3.42958	0.000758	0.099186
	-0.52825	-3.42941	0.000758	0.099214
	-0.22332	-3.42929	0.000759	0.099225
	0.463653	3.429653	0.000758	0.099186
	0.509757	3.429186	0.000759	0.09923
IRF1;SEPT8	0.398158	3.428445	0.000761	0.099449
	-0.49276	-3.43067	0.000755	0.098873
	0.366873	3.428172	0.000762	0.099449
	0.187613	3.42817	0.000762	0.099449
	-0.33822	-3.42804	0.000762	0.099449
MSI2;TRIM37	0.174418	3.427938	0.000762	0.099449
	0.410715	3.427925	0.000762	0.099449
	-0.41668	-3.42796	0.000762	0.099449
	0.357704	3.42761	0.000763	0.09947
	-0.45075	-3.42757	0.000763	0.09947
RB1CC1 PLCG2;ENSG00000260682	0.273407	3.427543	0.000763	0.09947
	-0.3228	-3.42749	0.000763	0.09947
	-0.30944	-3.42742	0.000764	0.09947
	TIMP2;C1QTNF1			
	ENSG00000180712;SORBS2;CENPU;PDLIM3;ENSG00000233110;FAM149A;CASP3;SNX25;ANKRD37			
TSPAN18 FCHSD2;PDE2A;P2RY2;RELT;ENSG00000260401;STARD10	-0.69511	-3.42729	0.000764	0.099485
	0.443534	3.426945	0.000765	0.099523
	-0.3607	-3.42688	0.000765	0.099523
	-0.62125	-3.42685	0.000765	0.099523
	-0.42054	-3.42679	0.000765	0.099523
FCHSD2;FOLR2 ENSG00000267758;KRT42P;TTC25;ENSG00000264058;ENSG0000234477 CPEB3	0.461809	3.426676	0.000766	0.099523
	-0.47927	-3.42656	0.000766	0.099523
	0.265287	3.426558	0.000766	0.099523
	0.218503	3.426211	0.000767	0.099556
	-0.50042	-3.42621	0.000767	0.099556
COL6A5 COL6A1;COL18A1;COL6A2;COL18A1-AS1;ADARB1;C21orf58;COL18A1-AS2;ENSG00000268805;YBEY;PTTG1IP;SLC19A1;POFUT2;ENSG00000267857;MCM3AP-AS1	-0.39884	-3.4261	0.000767	0.099556
	0.282594	3.426135	0.000767	0.099556
	-0.23264	-3.42594	0.000767	0.099556
	0.291986	3.425901	0.000768	0.099556
	-0.63009	-3.42576	0.000768	0.099556
KIF21B;PTPN7	-0.37257	-3.42582	0.000768	0.099556
	-0.43675	-3.42514	0.00077	0.099737
	0.388359	3.424771	0.000771	0.099814
	0.313753	3.424431	0.000771	0.099814
	GALE;GRHL3;ID3			

	-0.3863	-3.42431	0.000772	0.099814
HRH1	-0.46413	-3.42446	0.000771	0.099814
	-0.29404	-3.42421	0.000772	0.099814
SLC39A1;RAB13;S100A9;S100A8	-0.31621	-3.42429	0.000772	0.099814
	0.421297	3.424266	0.000772	0.099814
	0.183342	3.423892	0.000773	0.09987
	-0.5526	-3.42424	0.000772	0.099814
	0.334166	3.423806	0.000773	0.09987
FBLN7	-0.40118	-3.42379	0.000773	0.09987
	-0.40311	-3.42347	0.000774	0.099947
	-0.32631	-3.42305	0.000775	0.100062
	0.281142	3.42295	0.000775	0.100067
	-0.35092	-3.42267	0.000776	0.100076
	-0.241	-3.42234	0.000777	0.100076
	-0.2897	-3.42253	0.000777	0.100076
	0.288822	3.422254	0.000777	0.100076
	0.186174	3.422213	0.000777	0.100076
	0.376382	3.422075	0.000778	0.100076
PARP12;HIPK2	-0.57933	-3.42247	0.000777	0.100076
C2CD2L;USP2;CCDC153;USP2-				
AS1;OAF;MCAM;DPAGT1;ENSG00000255247	0.455392	3.422514	0.000777	0.100076
SH3YL1	-0.3827	-3.42225	0.000777	0.100076
IGHV3-23;IGHM;IGHG3;IGHA1;IGHJ3P;IGHV3-7;IGHGP;IGHV5-51;IGHV3-48;IGHG2;IGHA2;IGHV4-34	-0.21803	-3.42191	0.000778	0.100076
	-0.3715	-3.42191	0.000778	0.100076
	0.255926	3.421792	0.000778	0.100076
	-0.4252	-3.4217	0.000779	0.100076
	0.257546	3.421611	0.000779	0.100076
	0.346504	3.421665	0.000779	0.100076
PPM1B	0.389269	3.421393	0.00078	0.100082
	0.19887	3.4213	0.00078	0.100082
FZD3	-0.41929	-3.4213	0.00078	0.100082
	-0.49726	-3.42114	0.00078	0.100082
STK10	-0.46758	-3.42103	0.000781	0.100082
	0.431076	3.420982	0.000781	0.100082
	0.199181	3.421025	0.000781	0.100082
	0.31762	3.420805	0.000781	0.100112
JAM3;IGSF9B;GLB1L2	-0.4226	-3.42044	0.000782	0.100143
	0.290648	3.420363	0.000782	0.100143
	-0.25848	-3.42026	0.000783	0.100143
	0.328996	3.420074	0.000783	0.100143
	0.371031	3.419993	0.000783	0.100143
	0.673852	3.419917	0.000784	0.100143
	-0.32893	-3.42019	0.000783	0.100143
	0.247273	3.419903	0.000784	0.100143
	0.41387	3.419795	0.000784	0.100143
	-0.41948	-3.41967	0.000784	0.100143

FCHSD2;PDE2A;PPME1;STARD10;MRPL48;P2RY2;ENSG00000260401	-0.42398	-3.41974	0.000784	0.100143
ELN;TBL2	0.278881	3.419705	0.000784	0.100143
CEP68	-0.46689	-3.41947	0.000785	0.100178
KIF7;CRTC3;ABHD2;IDH2;CIB1	0.305078	3.419395	0.000785	0.100178
	-0.35652	-3.41931	0.000785	0.100178
SPHK1;ITGB4;EVPL;SEC14L1	-0.41843	-3.41905	0.000786	0.100237
	-0.25505	-3.41882	0.000786	0.100287
	-0.20178	-3.41817	0.000788	0.10047
	-0.43224	-3.41812	0.000788	0.10047
RPS6KA1;CEP85;FAM110D	-0.38734	-3.41795	0.000789	0.100496
SPRED2	0.4138	3.417488	0.00079	0.100627
	-0.24052	-3.41727	0.000791	0.100642
	0.33523	3.417307	0.000791	0.100642
	-0.38498	-3.41706	0.000791	0.100656
NME4;RGS11;CACNA1H;ENSG00000196674;TPSAB1;MSLN;TPSB2;TMEM204;TPSD1;UBE2I;SOX8;ENSG00000261659;METRN;ENSG00000260807;CCDC78;UNKL;BAIAP3	-0.46494	-3.41715	0.000791	0.100653
PRKCA;AXIN2	0.319371	3.416745	0.000792	0.100704
	0.523988	3.416822	0.000792	0.100704
	0.570535	3.416556	0.000793	0.10074
GARNL3	0.347496	3.416386	0.000793	0.100769
PCDH12;SPRY4;ARAP3	0.608431	3.415859	0.000795	0.100905
PLEKHG4B;TRIP13	0.236892	3.415464	0.000796	0.100905
	0.371599	3.41558	0.000795	0.100905
	0.547869	3.415494	0.000796	0.100905
RASAL1;ENSG00000199899;IQCD;CCDC42B;OAS2;SLC8B1;PLBD2	-0.4774	-3.41526	0.000796	0.100905
	0.447764	3.415347	0.000796	0.100905
	0.41329	3.415262	0.000796	0.100905
	0.423178	3.415165	0.000796	0.100905
TBC1D8;ENSG00000272902	-0.44913	-3.41503	0.000797	0.100905
THEM4;BNIPL;CGN;PSMD4;S100A11;SELENBP1;SEMA6C	0.658333	3.415134	0.000797	0.100905
	0.278054	3.414956	0.000797	0.100905
GAS5	0.355948	3.414965	0.000797	0.100905
	0.312838	3.414745	0.000798	0.100909
	0.309102	3.414698	0.000798	0.100909
SSBP2;SERINC5	0.32279	3.414686	0.000798	0.100909
	0.236411	3.414112	0.000799	0.101078
	0.298878	3.413994	0.0008	0.101089
	0.373106	3.413744	0.0008	0.10112
	-0.27999	-3.4136	0.000801	0.10112
SLFN5	0.236731	3.413545	0.000801	0.10112
	0.375044	3.413475	0.000801	0.10112
PPP4R1;PTPRM	-0.62725	-3.41336	0.000801	0.101131
PDE9A;UBASH3A;TRPM2;SLC37A1	0.425587	3.413496	0.000801	0.10112
	0.291515	3.413231	0.000802	0.101141

ZNF473	0.298216	3.413157	0.000802	0.101141
	0.276003	3.413061	0.000802	0.101144
	0.3313	3.412768	0.000803	0.101179
	-0.44202	-3.41277	0.000803	0.101179
	0.288286	3.412702	0.000803	0.101179
CASP3;PDLIM3;CENPU	-0.51628	-3.41236	0.000804	0.101231
	0.376869	3.412309	0.000804	0.101231
ENSG00000267610	0.338759	3.412297	0.000804	0.101231
	-0.30616	-3.4121	0.000805	0.10125
NARS2	-0.40251	-3.41193	0.000805	0.10125
SERPINB6	-0.57331	-3.41184	0.000806	0.10125
	0.299889	3.411813	0.000806	0.10125
CRNDE;CES1;IRX5;CES1P1	-0.46102	-3.41184	0.000806	0.10125
	-0.32289	-3.41163	0.000806	0.101283
	0.226751	3.411405	0.000807	0.101289
ENSG00000268838	-0.4335	-3.41131	0.000807	0.101289
DNAH5;ENSG00000251423;ANKH;TRIO;FAM105B;RBBP4P1	-0.48596	-3.41105	0.000808	0.101315
	0.156201	3.411026	0.000808	0.101315
	0.256722	3.411351	0.000807	0.101289
	-0.30863	-3.41127	0.000807	0.101289
	0.365571	3.410932	0.000808	0.101318
SHROOM3;NAAA;FAM47E	-0.46648	-3.41058	0.000809	0.101332
	0.271491	3.410685	0.000809	0.101332
ITPR3;ANKS1A;ENSG00000272288;RGL2;SYNGAP1	-0.31945	-3.41037	0.00081	0.101364
	-0.32	-3.4106	0.000809	0.101332
SLC16A1-AS1	0.3035	3.410549	0.000809	0.101332
	0.326308	3.409575	0.000812	0.10157
FES;CRTC3	0.305322	3.409624	0.000812	0.10157
GPLD1;ALDH5A1;DCDC2;KIAA0319;FAM65B RAB37	-0.76891	-3.40946	0.000812	0.10157
	-0.21791	-3.40941	0.000812	0.10157
	-0.3505	-3.40918	0.000813	0.10157
MRPL23;CARS;ENSG00000255367;IGF2 LPCAT1	-0.21799	-3.40926	0.000813	0.10157
	-0.50442	-3.40924	0.000813	0.10157
	-0.34448	-3.40906	0.000813	0.101575
TMEM45B;ARHGAP32;ENSG00000255455;SNX19 ENSG00000244137	-0.30017	-3.40893	0.000814	0.101575
	-0.55606	-3.40892	0.000814	0.101575
	0.364762	3.408772	0.000814	0.101577
	-0.30655	-3.4086	0.000815	0.101577
CNNM2;C10orf95;NFKB2;LDB1;ARL3;SH3PXD2A;CALHM2;FBX W4;C10orf32;PPRC1 ENSG00000261226 ORAI2	-0.35485	-3.40822	0.000816	0.101577
	-0.33911	-3.40847	0.000815	0.101577
	0.437418	3.408224	0.000816	0.101577
	-0.47554	-3.40823	0.000816	0.101577
	0.204838	3.408143	0.000816	0.101577
NOTCH4;C6orf10;TNXB;HSPA1A;CLIC1;RNF5;SLC44A4	0.567802	3.408199	0.000816	0.101577
	-0.36576	-3.40796	0.000816	0.101583

ITGA8;ACBD7;FAM107B;MEIG1;C10orf111	-0.43381	-3.40817	0.000816	0.101577
PCED1B	-0.41789	-3.40798	0.000816	0.101583
KIAA0232	0.370411	3.407725	0.000817	0.101634
SFMBT1;PRKCD;CACNA2D3	0.309025	3.407355	0.000818	0.101663
PSMD1;B3GNT7	-0.37818	-3.40729	0.000818	0.101663
SLC44A4;ZBTB9;HSD17B8	-0.65892	-3.40719	0.000819	0.101663
GRB10;COBL;ZPBP	-0.52335	-3.40715	0.000819	0.101663
PHACTR1	-0.39691	-3.40723	0.000818	0.101663
TTC5;RNASE1	0.340813	3.407048	0.000819	0.101663
	0.414815	3.407058	0.000819	0.101663
TEAD1	-0.39709	-3.4068	0.00082	0.101689
	-0.46734	-3.40654	0.00082	0.101722
TMC8;TIMP2;C1QTNF1;TMC6;ENSG00000178404	-0.38637	-3.40694	0.000819	0.101673
	0.410644	3.40663	0.00082	0.10172
	0.364953	3.406354	0.000821	0.101757
TACC3;HAUS3;ZNF141;LETM1;SCARNA22;WHSC1	-0.54788	-3.40607	0.000822	0.101826
	-0.36384	-3.40596	0.000822	0.101837
TACC1;FGFR1;ENSG00000254290;ENSG00000254111;PLEKHA2				
;WHSC1L1;ERLIN2;RAB11FIP1;GPR124;ENSG00000253414;PPA				
PDC1B	-0.29149	-3.40552	0.000823	0.10189
	0.303861	3.405682	0.000823	0.10189
SCMH1;SLC2A1;PPCS	0.287109	3.405526	0.000823	0.10189
COPB2;MRAS;NMNAT3;FAIM	0.271923	3.40534	0.000824	0.10189
	-0.38428	-3.40505	0.000825	0.10189
	0.394089	3.40523	0.000824	0.10189
LRRC49;MYO9A;GRAMD2;CT62	-0.47961	-3.4051	0.000824	0.10189
	0.292762	3.405251	0.000824	0.10189
	0.461061	3.40511	0.000824	0.10189
	0.417147	3.404876	0.000825	0.10192
	-0.31406	-3.40456	0.000826	0.101944
	0.322933	3.404464	0.000826	0.101944
	-0.3097	-3.40444	0.000826	0.101944
EVC;EVC2;S100P;CCDC96;CRMP1;KIAA0232;SORCS2;PSAPL1;BL				
OC1S4	-0.47043	-3.40436	0.000827	0.101944
	0.301456	3.404476	0.000826	0.101944
SYNC;ZBTB8A;TMEM39B;FNDC5;IQCC	-0.50628	-3.4043	0.000827	0.101944
C11orf74;PAMR1;LDLRAD3;SLC1A2;RAG2	-0.37395	-3.40393	0.000828	0.102023
	0.298199	3.403907	0.000828	0.102023
	-0.32396	-3.40375	0.000828	0.102032
	0.2932	3.403631	0.000829	0.102032
	0.393851	3.403487	0.000829	0.102032
NIPAL1;TXK;OCIAD2	-0.7454	-3.40346	0.000829	0.102032
	-0.4306	-3.40334	0.000829	0.102032
	-0.23918	-3.40328	0.00083	0.102032
	-0.33977	-3.40311	0.00083	0.102035
	0.397802	3.403031	0.00083	0.102035
	-0.34348	-3.40321	0.00083	0.102032

DHX16	-0.35074	-3.40321	0.00083	0.102032
MYCBPAP;NXPH3;COL1A1	0.440263	3.402501	0.000832	0.102106
	0.351501	3.402478	0.000832	0.102106
FAM120B	-0.3192	-3.40243	0.000832	0.102106
	0.323051	3.402421	0.000832	0.102106
CCDC146;STYXL1;SRRM3;ENSG00000250990;RHBDD2;HIP1	-0.53864	-3.40236	0.000832	0.102106
	-0.33161	-3.4023	0.000832	0.102106
	-0.52096	-3.40209	0.000833	0.102106
PPP1R18;HCP5;HSPA1A	-0.39671	-3.40209	0.000833	0.102106
ZNF536	0.276289	3.401781	0.000834	0.102106
COL5A1;SARDH;ADAMTSL2;SLC2A6	-0.42309	-3.40166	0.000834	0.102106
BPIFB1;BPIFB2	0.20953	3.401446	0.000835	0.102106
	0.395224	3.401411	0.000835	0.102106
GLI3	0.59599	3.401405	0.000835	0.102106
CERK;CELSR1;GRAMD4	-0.41514	-3.4017	0.000834	0.102106
	0.27516	3.401413	0.000835	0.102106
ENSG00000260051;POLR3K	0.252897	3.4015	0.000835	0.102106
	0.293655	3.401079	0.000836	0.10213
TMCC2;NUAK2	-0.28987	-3.40145	0.000835	0.102106
BMP7;PMEPA1	0.357033	3.400984	0.000836	0.10213
	0.39866	3.401051	0.000836	0.10213
	-0.23878	-3.40088	0.000836	0.10213
	0.366749	3.400833	0.000837	0.10213
APEH	-0.35949	-3.401	0.000836	0.10213
BBS5;CCDC173;ENSG00000226072;KLHL41;LRP2	-0.4457	-3.40059	0.000837	0.102163
HTR7P1;HEBP1	0.247966	3.400454	0.000838	0.102163
	0.288904	3.400442	0.000838	0.102163
EGFL7;CCDC183-AS1	0.24727	3.400408	0.000838	0.102163
	0.441074	3.400233	0.000838	0.102195
	0.261164	3.399891	0.000839	0.102217
COL5A3;AP1M2;KANK2;CCDC151;OLFM2;CNN1;ZNF627	-0.38371	-3.4	0.000839	0.102217
	0.381209	3.399835	0.000839	0.102217
ABCA8;ABCA6;ABCA10;ABCA9;ENSG00000267361;ABCA5;C17orf58	0.46163	3.399882	0.000839	0.102217
	-0.28444	-3.39967	0.00084	0.102247
PYCR2;ITPKB;C1orf95;SRP9	-0.52599	-3.39931	0.000841	0.102285
	-0.28477	-3.39934	0.000841	0.102285
TP53RK	-0.35279	-3.39907	0.000842	0.102325
	0.44482	3.399517	0.00084	0.10227
	0.32663	3.398922	0.000842	0.102325
	-0.2489	-3.39862	0.000843	0.102325
TJP2;APBA1	-0.63787	-3.39858	0.000843	0.102325
YLPM1;MLH3	0.333602	3.398673	0.000843	0.102325
	0.234467	3.39883	0.000842	0.102325
	-0.45258	-3.39834	0.000844	0.102325
ECSCR;DNAJC18;CTNNA1;IK;PURA;SPATA24;SRA1	-0.42698	-3.39844	0.000843	0.102325



TMEM45B;ENSG00000255455;ARHGAP32	-0.60356	-3.39856	0.000843	0.102325
LINC01132;B3GALNT2;TBCE;RBM34	-0.32518	-3.39824	0.000844	0.102325
PRR15	-0.36235	-3.39836	0.000844	0.102325
	-0.31672	-3.3982	0.000844	0.102325
	0.36029	3.397664	0.000846	0.102418
	-0.37335	-3.39741	0.000846	0.102457
	0.378872	3.397602	0.000846	0.102418
PIF1	0.264009	3.397629	0.000846	0.102418
CGN;RORC;CTSK;GOLPH3L;ENSA;BNIPL;C1orf54	-0.32655	-3.39765	0.000846	0.102418
	0.280794	3.397173	0.000847	0.102485
	0.376966	3.397079	0.000847	0.102485
	0.481894	3.397099	0.000847	0.102485
	-0.36865	-3.39695	0.000848	0.102501
MYO1E;FAM81A;ENSG00000259732;LDHAL6B;CCNB2;BNIP2	-0.63097	-3.39659	0.000849	0.102541
SPSB1;RBP7	-0.47447	-3.39661	0.000849	0.102541
	-0.37114	-3.39685	0.000848	0.102506
CD200R1;BOC;ZBTB20;ENSG00000259976;SIDT1	0.519797	3.396407	0.000849	0.102576
RABGAP1L;RFWD2	-0.48666	-3.39612	0.00085	0.102644
SLC44A4;TAP2;TAP1;TNXB;HLA-				
DOA;ENSG00000272221;TCF19;LY6G5C	0.344847	3.395964	0.000851	0.102644
MZB1	-0.39512	-3.39601	0.00085	0.102644
C11orf83	0.319531	3.395821	0.000851	0.102666
LOH12CR1	-0.56309	-3.39501	0.000853	0.102863
	-0.44602	-3.39531	0.000852	0.102816
ENSG00000205890;CCDC64B;HN1L;ENSG00000272079;IFT140				
;TMEM204;PDPK1;BAIAP3	-0.26804	-3.39472	0.000854	0.102925
AGPAT6	-0.36057	-3.39505	0.000853	0.102863
	0.232544	3.394671	0.000854	0.102925
	-2.06498	-3.39444	0.000855	0.102974
NOD1;PRR15	-0.42972	-3.39432	0.000855	0.102974
DUXAP7	-0.56751	-3.39428	0.000855	0.102974
MTO1;ENSG00000229852;KCNQ5;SLC17A5;EIF3EP1;MB21D1;				
DDX43;RIMS1	-0.50629	-3.394	0.000856	0.103
	-0.3577	-3.39396	0.000856	0.103
	0.398808	3.394152	0.000856	0.102992
PPOX;C1orf192;UFC1;TSTD1;KLHDC9;FCGR3B;OLFML2B;FCGR2				
A;MPZ;USP21;VANG2;SDHC;ATP1A2;FCGR3A;ENSG00000215				
840;NR1I3;HSPA6;F11R;PEA15;PCP4L1	-0.41368	-3.39342	0.000858	0.103103
	-0.29724	-3.39378	0.000857	0.103036
TRIM9;PTGDR;NID2;ENSG00000261208	-0.47843	-3.39345	0.000858	0.103103
	0.526338	3.393134	0.000859	0.103176
	0.310381	3.392806	0.00086	0.103227
ENSG00000267491	-0.25748	-3.3928	0.00086	0.103227
	-0.21011	-3.39268	0.00086	0.103227
	0.310779	3.392545	0.000861	0.103227
	0.245734	3.39238	0.000861	0.103227

CLIP1;VPS37B	-0.63658	-3.3925	0.000861	0.103227
TRPM2;ITGB2	0.37232	3.392266	0.000861	0.103227
	-0.40009	-3.39209	0.000862	0.103227
	-0.4794	-3.39211	0.000862	0.103227
	0.335677	3.392356	0.000861	0.103227
RPTOR;CBX2;LINC00482;ENSG00000262877;EIF4A3;ENDOV;SLC26A11;TMEM105	0.4015	3.392162	0.000862	0.103227
	0.373725	3.39179	0.000863	0.103303
	-0.33791	-3.39162	0.000863	0.103306
ECT2;NCEH1	-0.35287	-3.39157	0.000863	0.103306
PHLDB1;MPZL3;MCAM;KMT2A;HYOU1;TMEM25;AMICA1;ENSG00000255176;UBE4A	-0.44748	-3.39154	0.000864	0.103306
	0.248572	3.391265	0.000864	0.103373
FENDRR;FOXF1	-0.33491	-3.39096	0.000865	0.103447
SLC43A2;ENSG00000262133;NXN;YWHAE;ENSG00000262003;MYO1C;GEMIN4;PITPNA;HIC1;SGSM2	-0.45164	-3.39089	0.000865	0.103447
ENSG00000231980	0.445144	3.390603	0.000866	0.103462
HMBS	0.268738	3.390696	0.000866	0.103462
	-0.30623	-3.39062	0.000866	0.103462
EBF2;DPYSL2;PPP2R2A;ADRA1A	-0.51276	-3.39039	0.000867	0.103479
	-0.32829	-3.3904	0.000867	0.103479
NUAK2	0.344817	3.390018	0.000868	0.103582
	0.163753	3.389604	0.000869	0.10362
	-0.28553	-3.38977	0.000869	0.10362
	0.500861	3.389595	0.000869	0.10362
SOCS5;EPAS1;SRBD1;ENSG00000260977;CRIPT	-0.56309	-3.38922	0.00087	0.103663
	-0.51782	-3.38951	0.00087	0.10362
RNF144A	-0.35934	-3.38942	0.00087	0.10362
	0.372868	3.389443	0.00087	0.10362
	-0.26275	-3.38904	0.000871	0.10368
	0.338256	3.388862	0.000871	0.10368
	0.185727	3.388791	0.000872	0.10368
	-0.3242	-3.38876	0.000872	0.10368
	-0.3796	-3.38865	0.000872	0.103691
ARRDC4	0.418941	3.3888	0.000872	0.10368
NLRC5;GPR114;CETP	0.301074	3.388213	0.000873	0.103788
WDR45B;PCYT2;LINC00482;TBCD;LRRC45;OXLD1	-0.60041	-3.38835	0.000873	0.103767
TRAPPC9	-0.42146	-3.38773	0.000875	0.103916
	-0.25717	-3.38765	0.000875	0.103916
SMOC2	-0.46613	-3.38753	0.000875	0.103916
MACC1;ITGB8;ENSG00000243004	0.396991	3.387443	0.000876	0.103916
SCEL	-0.51202	-3.38746	0.000876	0.103916
MED9	0.238868	3.387334	0.000876	0.103926
ENSG00000271781	0.295778	3.386665	0.000878	0.104103
VDAC3;AP3M2	-0.40266	-3.38684	0.000878	0.104074
	-0.26688	-3.38659	0.000878	0.104103
HCP5;HLA-B;GPANK1	-0.4259	-3.38633	0.000879	0.104167

	0.303655	3.386227	0.000879	0.104175
	0.431069	3.385754	0.000881	0.104246
CROCC	0.344439	3.386034	0.00088	0.104215
	-0.29562	-3.38555	0.000881	0.104246
ZNF557;CAMSAP3;ADAMTS10;CTXN1;CD320;SNAPC2	-0.31495	-3.3854	0.000882	0.104246
	0.338207	3.385324	0.000882	0.104246
ODF2;TTC16;CERCAM;DNM1;ST6GALNAC6;COQ4;WDR34;C9orf117;GARNL3;ENG;AK1;PKN3;RALGPS1;TBC1D13;CIZ1;SNORA65;SH2D3C;GLE1;SLC2A8;ANGPTL2;LRRC8A;LCN2	-0.49818	-3.38535	0.000882	0.104246
C16orf71	0.247351	3.385596	0.000881	0.104246
	0.327161	3.385395	0.000882	0.104246
SYNRG;PLXDC1	0.440375	3.385067	0.000883	0.104292
	-0.50678	-3.3853	0.000882	0.104246
GPR124;TACC1;FGFR1;RAB11FIP1;ERLIN2;RPS20P22;DDHD2;ENSG00000254290	-0.36259	-3.38501	0.000883	0.104292
	-0.27263	-3.38473	0.000884	0.104304
PMEPA1;C20orf85;ATP5E	-0.30953	-3.38465	0.000884	0.104304
ADAM33;ENSG00000088899;SPEF1;CDC25B;EBF4;PANK2;HSPA12B;C20orf27;CPXM1	-0.48565	-3.38446	0.000885	0.104304
	-0.41733	-3.38458	0.000884	0.104304
KIF26A;C14orf2;INF2;EXOC3L4	-0.52897	-3.38474	0.000884	0.104304
	0.434374	3.384379	0.000885	0.104304
PRB3;PRR4;PRB4;PRB2;LRP6;PRB1	-0.3644	-3.38414	0.000886	0.104304
VWA3A	0.399961	3.383854	0.000887	0.104304
PDGFB;SUN2	0.345705	3.383928	0.000886	0.104304
TBC1D10C;ALDH3B1;PITPNM1;UNC93B1;ENSG00000255306	-0.43522	-3.38398	0.000886	0.104304
	0.425126	3.383657	0.000887	0.104304
GIMAP8;GIMAP5;GIMAP7;GIMAP6;GIMAP1;GIMAP4;NOS3	-0.28401	-3.38388	0.000886	0.104304
	0.262465	3.383734	0.000887	0.104304
	0.229482	3.383796	0.000887	0.104304
DCDC2B;TMEM234;BAI2;IQCC;ZBTB8A;TMEM39B;TRIM62;COL16A1	-0.47622	-3.38327	0.000888	0.10432
	0.401176	3.383598	0.000887	0.104304
	-0.45664	-3.38364	0.000887	0.104304
	0.184137	3.383601	0.000887	0.104304
	0.368741	3.383147	0.000889	0.10432
	-0.34109	-3.38289	0.000889	0.10432
	-0.48633	-3.38297	0.000889	0.10432
VN1R21P;TPRXL	-0.31761	-3.38275	0.00089	0.10432
MCAM;KMT2A;MPZL3;H2AFX;HMBS;PHLDB1;FXVD2	0.399047	3.383143	0.000889	0.10432
KRT80;ITGB7	0.28516	3.382867	0.00089	0.10432
	0.183719	3.382749	0.00089	0.10432
	-0.33324	-3.38268	0.00089	0.10432
WDR5B;POLQ;KPNA1;PDIA5;STXBP5L;SEMA5B	0.474324	3.382507	0.000891	0.10432

	0.569316	3.382624	0.00089	0.10432
	0.354699	3.382322	0.000891	0.104358
	0.340107	3.382552	0.00089	0.10432
	0.372908	3.38259	0.00089	0.10432
BNIP3L;SCARA5;DPYSL2;PTK2B;ADRA1A;SCARA3	-0.55263	-3.38177	0.000893	0.104497
CLMN;AK7;DICER1-AS1	-0.54492	-3.38181	0.000893	0.104497
TNIK;TMEM212;CLDN11	-0.48478	-3.38144	0.000894	0.104556
CBX8;RNF213	0.417543	3.381243	0.000894	0.104556
	0.395728	3.381182	0.000895	0.104556
	-0.40116	-3.38103	0.000895	0.10456
CD7;SECTM1;FN3K	-0.58675	-3.38116	0.000895	0.104556
PIWIL2;TNFRSF10A;LOXL2	-0.61523	-3.38071	0.000896	0.10461
PPP1R18;HLA-F;HCP5;PPP1R11;DDR1;HLA-E;PPP1R10	0.32993	3.381132	0.000895	0.104556
	-0.27333	-3.38112	0.000895	0.104556
	0.357872	3.380651	0.000896	0.10461
DUSP14;SYNRG;DHRS11	-0.4523	-3.38054	0.000897	0.104621
	0.302488	3.380401	0.000897	0.104631
IFI27	-0.64089	-3.38035	0.000897	0.104631
	0.405694	3.380779	0.000896	0.10461
	-0.22213	-3.38014	0.000898	0.104678
	-0.36527	-3.38	0.000898	0.104699
TUBB1	-0.44037	-3.37923	0.000901	0.104861
	0.289456	3.379411	0.0009	0.104824
LCN2;CERCAM;C9orf106;ENG;DNM1;PKN3	-0.50934	-3.37969	0.000899	0.104782
SOX8;ENSG00000260807;MSRB1;ABCA3	-0.20121	-3.37941	0.0009	0.104824
CCDC17;CYP4B1	0.229252	3.379033	0.000901	0.104902
	-0.42932	-3.37881	0.000902	0.104939
COL4A2;COL4A1	-0.3892	-3.37856	0.000903	0.104939
	0.399928	3.378681	0.000902	0.104939
	0.357654	3.378351	0.000903	0.104939
	0.40945	3.37843	0.000903	0.104939
	0.346561	3.378407	0.000903	0.104939
FUOM	-0.34574	-3.37826	0.000904	0.104939
	-0.48877	-3.37811	0.000904	0.104939
HLA-DMA;HLA-DOA;HLA-DMB;HLA-DPB1;TAP1;TAPSAR1;PSMB9;TAP2;HLA-DRA;HLA-DPA1	0.361114	3.37852	0.000903	0.104939
	0.300562	3.37818	0.000904	0.104939
KCNAB2	-0.25997	-3.37791	0.000905	0.104961
	0.362365	3.378052	0.000904	0.104939
	-0.34514	-3.37762	0.000906	0.105038
	-0.35911	-3.37747	0.000906	0.105053
	-0.30774	-3.37741	0.000906	0.105053
	-0.41677	-3.37693	0.000908	0.105198
	0.304458	3.376385	0.000909	0.105365
	0.338713	3.375912	0.000911	0.105437
DNAI2	0.310927	3.375855	0.000911	0.105437
	-0.28062	-3.37577	0.000911	0.105437

MAP3K13;POLR2H;CHRD;ABCC5	0.282584	3.375639	0.000912	0.105437
	-0.37564	-3.37578	0.000911	0.105437
	-0.20649	-3.37563	0.000912	0.105437
PPP1R18;HLA-E	-0.45037	-3.37531	0.000913	0.105457
	-0.32603	-3.37515	0.000913	0.105464
	0.355345	3.375898	0.000911	0.105437
RUVBL1;ENSG00000187695;KIAA1257;ENSG00000244300;RPN1;COPG1	-0.3144	-3.37525	0.000913	0.105457
	0.398286	3.37544	0.000912	0.105457
	-0.31218	-3.37526	0.000913	0.105457
CCDC78;NHLRC4;BAIAP3;HAGHL;RHBDF1;ENSG00000261659;METRN;SOX8;SNRNP25;UBE2I;WDR90;ENSG00000196674;NME4;PIGQ;RGS11;UNKL;CAPN15;POLR3K;CHTF18;HBA2;RPUSD1;HBA1;ENSG00000260807;CACNA1H;WDR24TBC1D10C;ALDH3B1;UNC93B1;PITPNM1PTGIS;SLC9A8GIMAP1;GIMAP5;RARRES2;GIMAP6;ZNF398AMT;RHOA;MON1A	-0.48289	-3.37474	0.000914	0.105557
	0.45835	3.375002	0.000914	0.10549
	-0.41986	-3.3744	0.000916	0.105648
	-0.55888	-3.37414	0.000916	0.105675
	-0.25987	-3.37407	0.000917	0.105675
	0.286394	3.374012	0.000917	0.105675
GPR124;TACC1;FGFR1;RAB11FIP1;PPAPDC1B;DDHD2;PLEKHA2;ERLIN2	0.403088	3.373837	0.000917	0.105681
	-0.27424	-3.37388	0.000917	0.105681
	0.428013	3.373624	0.000918	0.105704
	0.3344	3.373616	0.000918	0.105704
CD160;ANKRD35;ENSG00000225241UHRF1BP1PPP1R18;DDR1;GABBR1;NRM;DHX16TBCC;RRP36	-0.44803	-3.37406	0.000917	0.105675
	-0.36661	-3.37341	0.000919	0.105751
	0.435885	3.372725	0.000921	0.105908
	-0.26997	-3.3725	0.000921	0.105908
SLC2A9;ENSG00000242034;ENSG00000249799ROBO4;FEZ1;PKNOX2;TMEM218;SLC37A2;ST3GAL4	0.30316	3.372569	0.000921	0.105908
	-0.51255	-3.37263	0.000921	0.105908
	-0.62505	-3.37267	0.000921	0.105908
	-0.65371	-3.37262	0.000921	0.105908
	0.378664	3.37234	0.000922	0.105935
	0.234215	3.372067	0.000923	0.105977
WDR35;PUM2;OSR1;HS1BP3	-0.15097	-3.37218	0.000922	0.105964
	-0.5113	-3.37183	0.000924	0.106034
	0.272061	3.371711	0.000924	0.106048
	0.299565	3.371525	0.000925	0.106087
	-0.24895	-3.37118	0.000926	0.106125
AK8;C9orf171;C9orf9;GBGT1;MED22;ENSG00000224992;DDX31;SURF2;SURF6CATSPERB;TC2N;ENSG00000260711;ENSG00000268657	-0.41706	-3.3708	0.000927	0.106125
	0.221093	3.370964	0.000926	0.106125
	0.440737	3.370797	0.000927	0.106125
	0.338531	3.371065	0.000926	0.106125
	-0.2666	-3.37084	0.000927	0.106125
TMEM66;PPP2CB;LEPROTL1;WRN;PURG	-0.34278	-3.37083	0.000927	0.106125

KMT2E	0.412622	3.370754	0.000927	0.106125
	-0.42799	-3.37071	0.000927	0.106125
	-0.32409	-3.3703	0.000928	0.106233
ENSG00000242104	0.359447	3.370161	0.000929	0.106238
	0.32809	3.369989	0.000929	0.106249
ZMIZ1;PPIF	0.268513	3.370254	0.000929	0.106233
	-0.39473	-3.3699	0.00093	0.106249
	0.305812	3.369547	0.000931	0.106289
ACAP1	-0.35835	-3.36996	0.000929	0.106249
	-0.36479	-3.36928	0.000932	0.106358
	-0.29751	-3.36961	0.000931	0.106289
	0.288625	3.369055	0.000932	0.10641
	-0.40021	-3.36955	0.000931	0.106289
SLC25A39;ARL4D	0.219923	3.368768	0.000933	0.106438
SALL2;ANG;TTC5;ZNF219	0.596669	3.368893	0.000933	0.106438
LRRC27	-0.47751	-3.36858	0.000934	0.106438
	-0.49341	-3.36862	0.000934	0.106438
TIMP2;TMC8;CANT1;CYTH1;C1QTNF1;CBX2	0.285665	3.368585	0.000934	0.106438
	-0.3788	-3.3685	0.000934	0.106442
	-0.54293	-3.36827	0.000935	0.106468
	-0.41068	-3.36814	0.000935	0.106487
	-0.42047	-3.36828	0.000935	0.106468
	-0.59918	-3.36773	0.000937	0.106499
	0.296476	3.367542	0.000937	0.106499
CTHRC1;ENSG00000266289	0.329416	3.368004	0.000936	0.106499
	0.318709	3.367698	0.000937	0.106499
	-0.41286	-3.36773	0.000937	0.106499
	0.480043	3.36761	0.000937	0.106499
SMOC2;THBS2	-0.55694	-3.36687	0.000939	0.106606
IYD	-0.37361	-3.3674	0.000938	0.106499
	0.327633	3.367446	0.000937	0.106499
PACRG;ENSG00000225683;ENSG00000217557	-0.49938	-3.36744	0.000937	0.106499
	0.375366	3.367167	0.000938	0.106548
RUNX3;GRHL3;CLIC4;ID3	0.649501	3.367108	0.000939	0.106548
	0.298031	3.366229	0.000941	0.10681
CLEC1A;A2M;PZP;MFAP5;FAM66C;FAM90A1;CLEC2B;ENSG0000260423;ENSG00000256937	-0.58241	-3.36543	0.000944	0.10696
	-0.55308	-3.36575	0.000943	0.106927
	-0.32616	-3.36576	0.000943	0.106927
	-0.27643	-3.36529	0.000944	0.106966
	-0.48935	-3.3655	0.000944	0.106959
	0.290657	3.365117	0.000945	0.106987
SMIM20;CCDC149;SLC34A2	-0.3526	-3.36525	0.000944	0.106966
PLIN3;C19orf10	0.292395	3.365596	0.000943	0.106955
PLA2G4C;TEAD2;RCN3;FAM83E;CCDC114;EMP3;CARD8;EHD2;RUVBL2	0.312055	3.36503	0.000945	0.10699
TVP23B;MPRIIP;TRIM16L;COPS3	-0.42567	-3.36475	0.000946	0.107034

CDK20;GAS1	0.382539	3.364676	0.000946	0.107034
	-0.34616	-3.36485	0.000946	0.107027
C10orf128;VSTM4	0.300531	3.364157	0.000948	0.107138
	-0.31273	-3.36443	0.000947	0.107095
	0.252503	3.36419	0.000948	0.107138
KIAA1211L;TSGA10;VWA3B;TMEM131;ENSG00000231822;ENS G00000273045;ATP5BP1;ENSG00000222000;CNGA3	-0.39172	-3.36375	0.000949	0.107231
FXVD3;WTIP;CLIP3;COX6B1;CAPNS1;COX7A1;ZFP82;PSENEN;SC N1B;ZNF792;LGI4;ZNF566;GRAMD1A;ZBTB32	-0.323	-3.36401	0.000948	0.107164
	-0.30348	-3.36358	0.00095	0.107233
	0.251238	3.363659	0.00095	0.107233
CCDC138;NPHP1;ENSG00000227470	0.396391	3.363285	0.000951	0.107285
	0.651499	3.363169	0.000951	0.107299
MSH4	0.548836	3.363416	0.00095	0.107266
	0.407475	3.362556	0.000953	0.107324
	0.354625	3.362898	0.000952	0.107324
	0.39662	3.362299	0.000954	0.107333
RCOR3	0.426242	3.362562	0.000953	0.107324
	-0.42651	-3.36259	0.000953	0.107324
	0.400317	3.362804	0.000952	0.107324
LRG1;PTPRS;FUT3;RFX2;TNFAIP8L1;FUT6;HSD11B1L;SEMA6B;P LIN3	0.305603	3.362384	0.000954	0.10733
SCARNA6	-0.45439	-3.36279	0.000952	0.107324
HLA-DOA;HLA-DPA1;HLA-DPB1;UQCC2;ZBTB9	-0.37221	-3.36265	0.000953	0.107324
	0.409999	3.362471	0.000953	0.107327
	0.28589	3.361802	0.000956	0.107373
ENSG00000260977	-0.46331	-3.36204	0.000955	0.107343
	-0.61407	-3.36204	0.000955	0.107343
	-0.29467	-3.36205	0.000955	0.107343
TBKBP1;NPEPPS;NSF;SKAP1	-0.39583	-3.36195	0.000955	0.107347
	0.3111	3.36166	0.000956	0.107397
	0.288842	3.361399	0.000957	0.107437
	0.249334	3.361395	0.000957	0.107437
	0.481423	3.36105	0.000958	0.107502
	-0.38529	-3.36091	0.000958	0.107502
	0.306191	3.360952	0.000958	0.107502
ENSG00000232386	-0.35185	-3.36047	0.00096	0.107604
TMEM14B;TMEM14C	-0.45211	-3.36023	0.000961	0.107661
CLSTN3	-0.46618	-3.36096	0.000958	0.107502
TSPAN4	-0.29057	-3.36077	0.000959	0.107524
	-0.53502	-3.36016	0.000961	0.107661
ZBTB20	0.397568	3.359542	0.000963	0.107823
	0.361903	3.35932	0.000964	0.107856
	0.410224	3.359487	0.000963	0.107823
BRCA1	-0.34342	-3.35955	0.000963	0.107823
	-0.26964	-3.35894	0.000965	0.107939

ENSG00000272005;TDRP	0.308631	3.359039	0.000965	0.107931
SMIM5;SMIM6;FDXR;SLC16A5;TTYH2;ICT1;RAB37;SAP30BP;DN				
A12;KIF19;CASKIN2;MRPS7	-0.42358	-3.35873	0.000966	0.107952
CLDN5;MRPL40	-0.35804	-3.35845	0.000967	0.108004
	0.298434	3.358767	0.000965	0.107952
BCKDK	0.45825	3.358673	0.000966	0.107952
	0.44345	3.357871	0.000968	0.108048
	0.21339	3.358182	0.000967	0.108025
SUGCT	-0.46581	-3.35771	0.000969	0.108076
	-0.23161	-3.35799	0.000968	0.108034
KHNYN;NFATC4;NOP9	0.369209	3.358308	0.000967	0.108025
	-0.31428	-3.35807	0.000968	0.10803
ENSG00000261269	0.501591	3.358163	0.000967	0.108025
ZNF204P;HCG11;ZNF391;BTN3A3;LINC00240	-0.56093	-3.35764	0.000969	0.108076
TSSC1	-0.63535	-3.35707	0.000971	0.108149
GPN1;WDR43	-0.44559	-3.35699	0.000971	0.108149
CASP8;CFLAR;ALS2CR12;ALS2;CASP10;AOX1;PPIL3;NIF3L1;NDU				
FB3;STRADB;SGOL2	-0.30769	-3.35691	0.000972	0.108149
	0.313856	3.356693	0.000972	0.108149
	-0.33964	-3.3572	0.000971	0.108149
CAPN5	-0.33908	-3.35644	0.000973	0.108149
RHO;ABCB10;OBSCN;WNT3A;IBA57;GJC2;C1orf145;HIST3H2B				
B;RAB4A;ENSG00000270110;CICP26;ENSG00000269890	-0.34254	-3.35651	0.000973	0.108149
DLG2	0.425748	3.356881	0.000972	0.108149
	0.317137	3.356787	0.000972	0.108149
ZNF876P;ZNF721;ZNF732;ZNF141	0.48811	3.35684	0.000972	0.108149
	-0.22624	-3.35632	0.000974	0.108149
	-0.43105	-3.3566	0.000973	0.108149
	-0.35947	-3.35626	0.000974	0.108149
	-0.41759	-3.35644	0.000973	0.108149
HCG11;HIST1H2BH;HIST1H3E;HIST1H2BF;HIST1H3F;ENSG00000				
272462;HIST1H3G;HIST1H2BD;HIST1H2AG;HIST1H2BJ	-0.68295	-3.35621	0.000974	0.108149
	-0.2689	-3.35644	0.000973	0.108149
HIF3A;EHD2;PLA2G4C;DACT3;MEIS3;SEPW1	-0.38335	-3.356	0.000975	0.108199
	0.272428	3.355614	0.000976	0.108255
TBX3;TBX5;TBX5-AS1	-0.24071	-3.35545	0.000976	0.108255
CBX2;C1QTNF1;CCDC40;SLC26A11	-0.36062	-3.35535	0.000977	0.108255
TULP3;CACNA1C-				
AS4;CACNA1C;PRMT8;FKBP4;ITFG2;NRIP2;CACNA1C-IT3	-0.41122	-3.35562	0.000976	0.108255
ZNF487;RASGEF1A;ENSG00000236114;ZNF239;ZNF33B;CSGAL				
NACT2;HNRNPF	-0.2431	-3.35546	0.000976	0.108255
	0.337211	3.355226	0.000977	0.108258
C1orf226;FCGR3A;NUF2;FCGR2C;DDR2	-0.72831	-3.35508	0.000978	0.108283
CGNL1	-0.4282	-3.3554	0.000977	0.108255



ENSG00000184566;KIAA1549L	-0.45353	-3.35531	0.000977	0.108255
	0.29301	3.354256	0.00098	0.108449
	0.314918	3.354621	0.000979	0.108396
	0.492302	3.354873	0.000978	0.108332
ATF7;COPZ1;ZNF385A	0.380107	3.354337	0.00098	0.108449
	0.283773	3.354	0.000981	0.108484
	-0.64301	-3.35419	0.000981	0.108449
	-0.39645	-3.35417	0.000981	0.108449
S1PR4;PCSK4;ZNF57	-0.22435	-3.35386	0.000982	0.108506
	0.361214	3.353549	0.000983	0.108538
	0.470958	3.353552	0.000983	0.108538
	-0.28266	-3.35371	0.000982	0.108534
PECR;ENSG00000232485;LINC00607;IGFBP2;IGFBP5;ENSG0000236295;MARCH4	0.229958	3.353024	0.000984	0.108626
	-0.41464	-3.35296	0.000985	0.108626
	-0.2821	-3.35301	0.000984	0.108626
	0.37807	3.35274	0.000985	0.108626
ARHGEF15;NLGN2;MYH10;CYB5D1;MPDU1;TNFSF12;WRAP53;ATP1B2;CTC1;PIK3R6;VAMP2;EFNB3;TMEM107;CHD3	-0.52844	-3.35297	0.000985	0.108626
	0.217425	3.352728	0.000985	0.108626
	0.290368	3.3524	0.000987	0.10868
	-0.38962	-3.35275	0.000985	0.108626
MRPL14;SLC29A1;SLC35B2;MAD2L1BP;RPL7L1	0.334412	3.352271	0.000987	0.1087
	-0.52459	-3.3526	0.000986	0.108635
	0.333027	3.352699	0.000986	0.108626
RNF166;CBFA2T3;ENSG00000261226;PIEZO1;ENSG00000259881	0.431738	3.351795	0.000989	0.108778
	0.292841	3.351809	0.000989	0.108778
	0.254663	3.351896	0.000988	0.108778
	0.286078	3.351498	0.00099	0.108844
RINT1;EFCAB10;NAMPT;CDHR3;SRPK2TBC1D10C	-0.32699	-3.35123	0.00099	0.108916
	-0.31525	-3.35175	0.000989	0.108778
	-0.29349	-3.35105	0.000991	0.108954
	-0.335	-3.35072	0.000992	0.109045
GRM7-AS1	-0.38392	-3.3506	0.000993	0.109063
	0.276767	3.3502	0.000994	0.109155
	-0.41501	-3.34993	0.000995	0.1092
LRRC59;MRPL27;COL1A1;EPN3;SLC35B1;UBE2Z;LUC7L3;NXPH3PIK3C2B;NUAK2	0.374979	3.350046	0.000994	0.109184
	-0.41226	-3.35021	0.000994	0.109155
	0.295277	3.349731	0.000996	0.109216
	-0.69552	-3.3498	0.000995	0.109216
	0.278077	3.349391	0.000997	0.109258

RRAD;TSNAXIP1;ZDHHC1;CES4A;TPPP3;LRRC36;ENKD1;GFOD2; RANBP10;CMTM4;PLEKHG4;CDH5;ATP6V0D1;ENSG000002034 01;E2F4;EXOC3L1;FAM96B;SLC9A5;KIAA0895L	-0.61946	-3.34914	0.000998	0.109295
	0.226114	3.349539	0.000996	0.109253
ENSG00000270504	-0.37517	-3.34948	0.000996	0.109253
	0.387925	3.348787	0.000999	0.109341
CPSF6	-0.37006	-3.34923	0.000997	0.109289
	0.417496	3.348908	0.000998	0.109339
PSMG3	0.30503	3.348636	0.000999	0.109369
	0.402938	3.348444	0.001	0.109412
	0.427471	3.348268	0.001	0.10945
ADCY10P1	0.965264	3.34887	0.000998	0.109339
C3orf67;ABHD6;ACOX2;DENND6A;FAM3D;IL17RD;ENSG000002 42428;DNAH12;RNU6-1181P;FLNB	0.285356	3.347941	0.001002	0.109543
STMND1;GMPR	-0.50398	-3.3476	0.001003	0.109642
FANK1;ADAM12;LHPP;FANK1-AS1	-0.28587	-3.34751	0.001003	0.109648
	-0.24268	-3.34673	0.001006	0.109748
	0.280823	3.347281	0.001004	0.109703
	0.33213	3.346766	0.001006	0.109748
	0.400087	3.347201	0.001004	0.109705
	0.365895	3.346746	0.001006	0.109748
	0.345065	3.346615	0.001006	0.109748
	0.353001	3.346591	0.001006	0.109748
IL5RA	-0.37879	-3.34656	0.001006	0.109748
PIGR	-0.36973	-3.34615	0.001008	0.109748
TFF3;PDE9A	0.212054	3.346475	0.001007	0.109748
MEG3;ENSG00000271417;ENSG00000225746;MEG8	-0.34972	-3.3461	0.001008	0.109748
TTC28;PITPNB;UQCR10;TTC28-AS1	-0.51376	-3.34615	0.001008	0.109748
	-0.38942	-3.34624	0.001007	0.109748
	-0.40856	-3.34618	0.001008	0.109748
	0.408897	3.345939	0.001008	0.109759
C16orf93;PHKG2;ZNF688;MVP;SEPT1;SEZ6L2;ENSG000002616 90;DOC2A;QPRT;C16orf54;PRSS53	-0.33939	-3.34652	0.001006	0.109748
	-0.19027	-3.34593	0.001008	0.109759
WDR45B;PCYT2;LRRC45;MAFG- AS1;METRNL;ENSG00000261888;CCDC57;NOTUM	-0.35724	-3.34526	0.001011	0.109957
	-0.2292	-3.34507	0.001011	0.109957
LST1	0.297289	3.345053	0.001011	0.109957
THUMPD3	-0.27973	-3.34499	0.001012	0.109957
SMAD9;DCLK1	-0.47881	-3.34466	0.001013	0.109978
ABCA3;CREBBP;PKD1;ENSG00000262370;PDPK1;SRRM2;ZNF20 0	0.244542	3.344275	0.001014	0.110009
	0.3236	3.344776	0.001012	0.109962
	0.276128	3.344941	0.001012	0.109957
PHLPP1;BCL2;SERPINB2;ENSG00000267701	-0.45458	-3.34443	0.001014	0.109979
	0.3746	3.344785	0.001012	0.109962

PPIAP29	0.410531	3.345003	0.001012	0.109957
	0.34635	3.344482	0.001013	0.109979
SCARF1;INPP5K;YWHAE;SMG6;HIC1;MYO1C;GEMIN4;PITPNA	-0.25677	-3.34447	0.001013	0.109979
	0.364417	3.343889	0.001015	0.11007
	-0.31295	-3.3438	0.001016	0.11007
	0.325487	3.343871	0.001015	0.11007
	0.455161	3.343982	0.001015	0.11007
LCK	0.470016	3.343164	0.001018	0.11007
	0.3375	3.343112	0.001018	0.11007
	0.222307	3.343503	0.001017	0.11007
CTTN	-0.31463	-3.3432	0.001018	0.11007
VASH1;SAMMD15;AHSA1;CIPC;SPTLC2;ANGEL1;NOXRED1;POMT2;ENSG00000246548;ZMYND19P1;TMED8	-0.34298	-3.34313	0.001018	0.11007
	0.44278	3.343135	0.001018	0.11007
	-0.30353	-3.34311	0.001018	0.11007
	-0.22512	-3.34313	0.001018	0.11007
CAPN2	-0.45986	-3.34291	0.001019	0.11007
TET1;COL13A1;TSPAN15;ENSG00000260400	-0.437	-3.34261	0.00102	0.11007
FOXC1;FOXF2	0.307453	3.3427	0.001019	0.11007
	0.284822	3.342761	0.001019	0.11007
LSM2	0.247059	3.342358	0.001021	0.11007
PEX2	0.353529	3.342779	0.001019	0.11007
	0.299369	3.342768	0.001019	0.11007
KIAA1211L;TSGA10;VWA3B;LINC01125;ENSG00000222000;CN				
GA3;TMEM131;ATP5BP1	-0.4579	-3.34197	0.001022	0.11008
TMEM254;ZCCHC24;ZMIZ1	-0.38493	-3.34237	0.001021	0.11007
MCC	0.295756	3.341914	0.001022	0.11008
	0.40237	3.342314	0.001021	0.11007
	0.383212	3.342432	0.00102	0.11007
CARS;TSSC2;IGF2;NAP1L4;OSBPL5	-0.46322	-3.34252	0.00102	0.11007
	-0.36511	-3.34232	0.001021	0.11007
WDR55;SRA1	-0.44492	-3.34202	0.001022	0.11008
FAM110C	-0.29974	-3.342	0.001022	0.11008
	0.314303	3.341426	0.001024	0.110099
	0.355468	3.341485	0.001024	0.110099
	0.290602	3.341452	0.001024	0.110099
PLCH1;PLCH1-AS1;TIPARP;RPL6P7	-0.38172	-3.34122	0.001025	0.110099
TTYH2;COG1	-0.3948	-3.34167	0.001023	0.110099
	0.369844	3.342004	0.001022	0.11008
DLG5-AS1	-0.48632	-3.34119	0.001025	0.110099
	-0.82523	-3.34163	0.001023	0.110099
B9D1;TRIM16L;FBXW10;SLC47A1;ULK2;MFAP4;TVP23B;AKAP10;ALDH3A1;ALDH3A2;MAPK7;KRT16P3;ENSG00000264932;SLC47A2;ENSG00000229586				
	-0.4307	-3.34134	0.001024	0.110099
	0.306602	3.341211	0.001025	0.110099
	0.201899	3.341069	0.001025	0.110117

ENSG00000196674;NME4	-0.32911	-3.34033	0.001028	0.110311
SUGCT	-0.44984	-3.34001	0.001029	0.110346
	-0.31713	-3.34064	0.001027	0.110249
	-0.35569	-3.34055	0.001027	0.110254
MAX	-0.38902	-3.33992	0.001029	0.110351
	0.371847	3.340248	0.001028	0.110312
ADORA2A-AS1;DERL3	0.346235	3.340008	0.001029	0.110346
	0.425029	3.339702	0.00103	0.110405
	-0.3701	-3.33948	0.001031	0.110433
	-0.22666	-3.33932	0.001031	0.110466
ARHGEF26-AS1;ARHGEF26	-0.39599	-3.33915	0.001032	0.110499
	0.336894	3.339536	0.00103	0.110433
	-0.49428	-3.33856	0.001034	0.110626
NDST1;SPARC;SLC36A1;SYNPO;MYOZ3;CCDC69;ENSG00000249035	-0.48341	-3.33852	0.001034	0.110626
SLC5A1	-0.47994	-3.33844	0.001034	0.110626
SFMBT2	0.353528	3.338487	0.001034	0.110626
	0.341975	3.338481	0.001034	0.110626
	-0.53863	-3.33811	0.001035	0.110722
ENSG00000272221;MDC1	0.494914	3.33766	0.001037	0.110827
	0.376053	3.337081	0.001039	0.110875
	0.370522	3.337607	0.001037	0.110827
GPR161;MPC2;NME7;DCAF6;CCDC181;DPT;SELP;TBX19;F5;SELE;ATP1B1;SLC19A2	-0.56394	-3.33687	0.00104	0.110883
	-0.4224	-3.33793	0.001036	0.110762
	-0.28683	-3.33734	0.001038	0.110875
FAM149A;SORBS2	-0.46555	-3.33696	0.001039	0.110875
C10orf128;VSTM4;WDFY4	-0.46667	-3.33727	0.001038	0.110875
ELMO1;KIAA0895	-0.49861	-3.337	0.001039	0.110875
HSPB11;GLIS1;LDLRAD1;TCEANC2;TMEM59;TTC22;DIO1;ENSG00000237611;ENSG00000197015	0.357045	3.336343	0.001042	0.110941
FOXF2;ENSG00000218027;GMDS	-0.46359	-3.33699	0.001039	0.110875
CERS4;ADAMTS10;PEX11G;ELAVL1;CTXN1;KANK3	-0.45449	-3.3364	0.001041	0.110941
	0.300624	3.337059	0.001039	0.110875
ENSG00000246250	-0.46985	-3.33639	0.001041	0.110941
	0.437819	3.336455	0.001041	0.110941
	0.138041	3.336269	0.001042	0.110941
	-0.41902	-3.33634	0.001042	0.110941
	0.204868	3.335603	0.001044	0.111135
	-0.32195	-3.33546	0.001045	0.111151
	0.418435	3.335615	0.001044	0.111135
	-0.55443	-3.33534	0.001045	0.111151
	0.278307	3.335246	0.001045	0.111158
	0.255849	3.335378	0.001045	0.111151
	0.389624	3.334541	0.001048	0.111293
PCDH12;PCDHB3	0.215132	3.334697	0.001047	0.111281
WEE1	-0.62223	-3.3347	0.001047	0.111281

CALML4;IQCH;ITGA11	-0.29587	-3.33476	0.001047	0.111281
	-0.33063	-3.33452	0.001048	0.111293
	-0.35672	-3.33426	0.001049	0.111361
	-0.36939	-3.33403	0.00105	0.111142
GPRC5C	-0.45575	-3.33347	0.001052	0.111606
	0.255936	3.332966	0.001054	0.111766
PLEKHA7	0.386031	3.332597	0.001055	0.111878
TMEM255B;GAS6;TFDP1;TMCO3	-0.49664	-3.33236	0.001056	0.111888
ZNF354C;ADAMTS2	-0.32124	-3.33235	0.001056	0.111888
EDEM2	-0.422	-3.33172	0.001058	0.111976
ATP13A5	-0.51562	-3.33245	0.001055	0.111888
	0.41003	3.331661	0.001058	0.111976
	0.256785	3.332103	0.001057	0.111953
	0.231536	3.331869	0.001057	0.111976
	0.463439	3.331679	0.001058	0.111976
ODF2L;CLCA4	-0.43704	-3.33199	0.001057	0.111968
ERBB3;ITGA7;TESPA1;MMP19;MUCL1;PTGES3;WIBG;RBMS2;G				
DF11;SMARCC2	-0.21367	-3.3316	0.001058	0.111976
LINC01091;ANKRD50;FAT4	-0.48485	-3.33092	0.001061	0.112151
CACHD1	0.377648	3.331475	0.001059	0.111976
	0.357127	3.331456	0.001059	0.111976
	-0.90356	-3.33061	0.001062	0.112185
DOK1;LOXL3;ALMS1;FBXO41	0.49248	3.330846	0.001061	0.112151
	-0.30475	-3.32999	0.001064	0.112268
PI16;PPIL1	-0.39878	-3.33063	0.001062	0.112185
	-0.28301	-3.32995	0.001064	0.112268
NCKAP5	-0.38118	-3.32957	0.001066	0.112348
LRCH1	-0.39988	-3.33022	0.001063	0.112268
	-0.29865	-3.33003	0.001064	0.112268
	-0.31608	-3.3302	0.001063	0.112268
ANTXR1	0.287441	3.329412	0.001066	0.112348
ENSG00000239521;PCOLCE;NYAP1;AP1S1;STAG3	-0.56507	-3.32971	0.001065	0.112329
	0.215621	3.329373	0.001066	0.112348
	-0.35005	-3.3291	0.001067	0.112357
	-0.55966	-3.32995	0.001064	0.112268
	0.389236	3.329393	0.001066	0.112348
PTCD3	-0.28307	-3.32876	0.001069	0.11236
SPARC;ANXA6;ENSG00000249035;ENSG00000213433	0.322683	3.329184	0.001067	0.112357
	0.353618	3.328756	0.001069	0.11236
	0.181882	3.328761	0.001069	0.11236
	0.482161	3.329166	0.001067	0.112357
	0.373417	3.328919	0.001068	0.11236
	0.454855	3.329055	0.001068	0.112357
	0.339908	3.328235	0.00107	0.112484
TIFAB;PCBD2	0.398535	3.32864	0.001069	0.112376
	0.316858	3.328106	0.001071	0.112496
RAD23B	0.358134	3.327846	0.001072	0.112536

	-0.38356	-3.32771	0.001072	0.112536
KIAA0125;IGHG4;IGHG1;IGHJ3P;ADSSL1;IGHG3;IGHA1;IGHG2;IGHV4-34;IGHV1-2;IGHV3-15;IGHV3-7;IGHA2;CRIP2;C14orf79;CRIP1;IGHV3-21;IGHM;TMEM121C16orf91;TRAF7;ENSG00000260807	0.476402	3.32821	0.001071	0.112484
	-0.36936	-3.32733	0.001074	0.112623
	0.364613	3.327635	0.001073	0.112536
SPECC1	0.272069	3.327868	0.001072	0.112536
ENSG00000220660	-0.27971	-3.32726	0.001074	0.112623
MFN2	-0.74586	-3.32763	0.001073	0.112536
	-0.33182	-3.32695	0.001075	0.112706
LAMP1;TFDP1	0.437646	3.326825	0.001076	0.112706
	0.382359	3.326822	0.001076	0.112706
	-0.43385	-3.32672	0.001076	0.112716
	-0.38229	-3.32656	0.001077	0.11275
PIK3C2B;CNTN2;FMOD;MDM4;PLEKHA6;LAX1	-0.32013	-3.32624	0.001078	0.112846
PKP3;MUC5AC;TALDO1	-0.29825	-3.32612	0.001078	0.112862
B3GNT3;UPF1;GDF15;LSM4;KLHL26	-0.47548	-3.3258	0.001079	0.112955
	0.316221	3.325143	0.001082	0.113068
CTSW;BATF2;SIPA1	0.305664	3.325365	0.001081	0.113032
	-0.63686	-3.32555	0.00108	0.112998
	-0.33569	-3.32554	0.00108	0.112998
	0.316137	3.325309	0.001081	0.113032
	-0.31338	-3.32476	0.001083	0.113112
STYXL1;ENSG00000227038	0.335665	3.325003	0.001082	0.113094
	-0.40643	-3.32476	0.001083	0.113112
	-0.36296	-3.32474	0.001083	0.113112
ENSG00000228140;KAZN;FHAD1;PRDM2	-0.35708	-3.32463	0.001084	0.113124
	0.41342	3.323876	0.001086	0.113302
	-0.30519	-3.32428	0.001085	0.113203
VANGL1;MAN1A2;ATP1A1	-0.45145	-3.32375	0.001087	0.113311
	0.330313	3.324398	0.001084	0.113186
ENSG00000261291	0.379901	3.323489	0.001088	0.113311
RUNDC1;PTRF;FKBP10;ATP6V0A1;CNTNAP1;TTC25;MEOX1;BECN1;AOC3;COASY;TUBG2;CNTD1;PLEKHH3;ACLY;VPS25;KAT2A;MLX;RAMP2;COA3;ENSG00000267002	-0.31196	-3.32344	0.001088	0.113311
	-0.35624	-3.32303	0.001089	0.113376
	0.217409	3.323418	0.001088	0.113311
COL4A1;COL4A2	-0.39479	-3.32388	0.001086	0.113302
	-0.39734	-3.32363	0.001087	0.113311
	-0.39479	-3.32316	0.001089	0.113376
	-0.3385	-3.32356	0.001087	0.113311
	0.22687	3.322786	0.00109	0.113441
DGKE;MSI2;C17orf67;MKS1	-0.39044	-3.32237	0.001092	0.113543
	-0.27969	-3.32307	0.001089	0.113376
RFX2;HSD11B1L;PTPRS;CAPS;CRB3;MLLT1;ENSG00000267262	-0.35769	-3.32262	0.001091	0.113478

SEMA3G;GNL3;POC1A	0.346173	3.322254	0.001092	0.113562
	-0.3423	-3.32186	0.001094	0.113656
	-0.57347	-3.32194	0.001093	0.113656
CD300A;RAB37;DNAI2;KIF19;CD300LF;CASKIN2;SMIM6;SMIM5 ;USH1G;FDXR NSFL1C	-0.30324	-3.32135	0.001096	0.113796
	-0.32856	-3.32147	0.001095	0.113778
	-0.39236	-3.32122	0.001096	0.113819
	-0.5199	-3.32088	0.001097	0.113923
	-0.33283	-3.31993	0.001101	0.113981
LINC00338;SEC14L1	0.419825	3.320303	0.001099	0.113981
	0.568133	3.319574	0.001102	0.113981
	-0.24682	-3.31998	0.001101	0.113981
	0.214828	3.31996	0.001101	0.113981
	-0.34608	-3.32039	0.001099	0.113981
	-0.35587	-3.32026	0.0011	0.113981
	-0.5113	-3.32056	0.001098	0.113981
	0.447095	3.320257	0.0011	0.113981
	0.270654	3.320122	0.0011	0.113981
HSH2D;NOTCH3 RNU1-4 PTGDS;LCNL1	-0.58098	-3.3194	0.001103	0.113981
	-0.26831	-3.31941	0.001103	0.113981
	-0.41053	-3.31977	0.001101	0.113981
	0.284557	3.320153	0.0011	0.113981
	-0.30217	-3.31921	0.001103	0.114008
	0.415622	3.319136	0.001104	0.114008
	0.342556	3.319625	0.001102	0.113981
TNXB;NOTCH4;SLC44A4;NELFE;C6orf10;PRRC2A;PSMB8	-0.42681	-3.31996	0.001101	0.113981
	-0.23555	-3.31942	0.001103	0.113981
	-0.40333	-3.31968	0.001102	0.113981
DPCD;KCNIP2;NFKB2;ARL3;MGEA5;FBXW4;C10orf32;LDB1 FAM114A1;TLR1;KLHL5 TPT1 ZCRB1	-0.42782	-3.31893	0.001105	0.114008
	0.377487	3.318855	0.001105	0.114008
	0.323605	3.319356	0.001103	0.113981
	-0.26976	-3.31906	0.001104	0.114008
	-0.45179	-3.31889	0.001105	0.114008
	-0.37807	-3.31877	0.001105	0.114013
	0.295547	3.3186	0.001106	0.11405
DNAJB13;POLD3;PLEKHB1;ENSG00000255847;PPME1	0.298263	3.318517	0.001106	0.114055
	-0.215	-3.31826	0.001107	0.114125
	0.325446	3.31756	0.00111	0.114284
ENSG00000259563;TP53BP1;EPB42;SPG11;CASC4;MAP1A	-0.33555	-3.31793	0.001108	0.114224
	-0.32955	-3.31729	0.001111	0.114334
	-0.28204	-3.31707	0.001111	0.114363
	-0.30228	-3.31766	0.001109	0.114273
	0.291604	3.317812	0.001109	0.114243
	-0.33142	-3.31673	0.001113	0.114409
	0.362851	3.317308	0.001111	0.114334

FCHO1;JAK3;IL12RB1	0.378453	3.317183	0.001111	0.114347
	-0.23842	-3.31653	0.001113	0.114409
	-0.31151	-3.31685	0.001112	0.114409
	0.210381	3.316805	0.001112	0.114409
ERI2;DNAH3;RRN3P1	-0.53016	-3.31636	0.001114	0.114409
DNM3	-0.34022	-3.31663	0.001113	0.114409
ALDH3B1;UNC93B1;ENSG00000255306;MRGPRF;ENSG00000251637;PITPNM1;ENSG00000254610;CHKA;TPCN2;FAM86C2P;RAD9A	-0.49188	-3.31566	0.001117	0.114575
PLA2G4C;TEAD2;HRC;EHD2;GYS1	-0.2553	-3.31623	0.001115	0.114409
	0.313045	3.316516	0.001114	0.114409
KIAA0825;ENSG00000270133;ENSG00000225165	0.277138	3.316305	0.001114	0.114409
OTUD7A	-0.79806	-3.31633	0.001114	0.114409
	0.340705	3.315813	0.001116	0.114543
	-0.49168	-3.31514	0.001119	0.114684
BAIAP2L1;KPNA7;BRI3	-0.4029	-3.31521	0.001118	0.114684
	0.277141	3.315019	0.001119	0.114684
	0.201291	3.31475	0.00112	0.114726
PPP1R8;YTHDF2	-0.52794	-3.31539	0.001118	0.11465
FMO5;ENSG00000237188;PDIA3P1;CCT8P1;BCL9;ENSG00000236806;HYDIN2;CHD1L	-0.53901	-3.3147	0.00112	0.114726
STEAP3-AS1	0.356174	3.314494	0.001121	0.114769
	0.274763	3.314254	0.001122	0.114769
	0.434517	3.31477	0.00112	0.114726
LINC00689	0.653925	3.315049	0.001119	0.114684
	-0.25494	-3.31415	0.001122	0.114769
ERO1LB	0.351837	3.31444	0.001121	0.114769
	0.381084	3.31419	0.001122	0.114769
	-0.22239	-3.31415	0.001122	0.114769
	-0.14101	-3.31389	0.001123	0.114769
	-0.39523	-3.31367	0.001124	0.114769
	0.318074	3.313793	0.001124	0.114769
	-0.26994	-3.31379	0.001124	0.114769
	-0.31418	-3.31401	0.001123	0.114769
	-0.43196	-3.3136	0.001124	0.114769
TRPV3	-0.42086	-3.31301	0.001127	0.114805
	0.323359	3.313587	0.001125	0.114769
	0.409852	3.313489	0.001125	0.114779
	0.256631	3.313292	0.001126	0.114805
NKX6-1	-0.34612	-3.31367	0.001124	0.114769
ENSG00000269982;JAGN1;EMC3	0.437433	3.313036	0.001127	0.114805
SRSF9;DYNLL1;RNU4-2	-0.33261	-3.31319	0.001126	0.114805
	0.395939	3.31274	0.001128	0.114805
	0.437189	3.312616	0.001128	0.114805
	-0.42565	-3.31313	0.001126	0.114805
SNX29;ATF7IP2	-0.43456	-3.31229	0.001129	0.114805
SVIL;ARMC4;MPP7	-0.33482	-3.31286	0.001127	0.114805



	0.358095	3.312362	0.001129	0.114805
	-0.41281	-3.31251	0.001129	0.114805
SDCBP2	-0.3317	-3.3128	0.001128	0.114805
	0.359797	3.311907	0.001131	0.11487
	0.189739	3.312435	0.001129	0.114805
	-0.32813	-3.31222	0.00113	0.114805
PTH1R;MAP4	-0.30162	-3.31279	0.001128	0.114805
	-0.25619	-3.31256	0.001128	0.114805
PCDHGB2;PCDHGA8;PCDHGA4;PCDHGA12;PCDH12;PCDHGA11	-0.28224	-3.31227	0.00113	0.114805
ZNF57;GNG7;TJP3;GIPC3;AES;APBA3	-0.31536	-3.31171	0.001132	0.114916
AP3B1	0.393849	3.312095	0.00113	0.114824
	-0.26356	-3.31146	0.001133	0.114987
WBSCR22;GTF2IP1;ABHD11	-0.31475	-3.31091	0.001135	0.115118
HOMER1	-0.40578	-3.3111	0.001134	0.115074
UNC93B1;PITPNM1;FAM86C2P;ALDH3B1;AIP;ALDH3B2;GSTP1;				
RAD9A;ENSG00000255306;KDM2A;CDK2AP2	0.289986	3.310376	0.001137	0.115188
ANPEP	-0.32108	-3.31111	0.001134	0.115074
	-0.363	-3.31027	0.001137	0.115199
RABGGTB	0.334821	3.310463	0.001136	0.115181
	-0.70982	-3.31013	0.001138	0.115226
	0.208513	3.310658	0.001136	0.115181
	0.331819	3.310571	0.001136	0.115181
	0.364257	3.310532	0.001136	0.115181
SDK2;SSTR2	-0.44348	-3.30977	0.001139	0.115284
GPATCH8;GJC1;KANSL1;EFTUD2;ACBD4;HEXIM1;ENSG0000026				
7505;HIGD1B;MAPT;ENSG00000267405	-0.35741	-3.31006	0.001138	0.115226
NRM;GNL1;PPP1R18;TCF19;TUBB	-0.36252	-3.30952	0.00114	0.115356
	-0.35464	-3.30987	0.001139	0.115276
TXNL4A	0.436885	3.309399	0.00114	0.115374
	0.243319	3.308999	0.001142	0.115447
	0.457576	3.309272	0.001141	0.115384
	0.241336	3.308824	0.001143	0.11546
	0.279805	3.309232	0.001141	0.115384
HLA-F;PPP1R11	-0.51569	-3.30864	0.001143	0.115504
MARCH8;ZFAND4	-0.27739	-3.30837	0.001144	0.115554
	0.289735	3.308486	0.001144	0.115537
	0.363565	3.308911	0.001142	0.115454
STK24	0.368071	3.307694	0.001147	0.115707
	0.276921	3.308205	0.001145	0.115591
MRAS	-0.43645	-3.30783	0.001146	0.115688
	-0.37084	-3.30746	0.001148	0.115742
	0.350318	3.307815	0.001147	0.115688
RBM20	0.455994	3.307475	0.001148	0.115742
PPP1R26-				
AS1;COL5A1;UBAC1;C9orf116;ENSG00000233936;OLFM1	-0.40902	-3.30704	0.001149	0.115823
	-0.3322	-3.30731	0.001148	0.115774

C3orf67;DNAH12;ABHD6;DENND6A;ASB14;RNU6-1181P;ENSG00000242428;RNU6-108P;RNF7P1;IL17RD;ENSG00000237186;FLNB;SLMAP	-0.38279	-3.30666	0.001151	0.115891
DAAM2;MOCS1;KIF6;ENSG00000235033	-0.5537	-3.30716	0.001149	0.115806
STARD9	0.430864	3.306718	0.001151	0.115891
TGFB111;SEPHS2;SETD1A;ZNF267;PRSS53;DCTPP1	-0.39474	-3.30688	0.00115	0.115858
NXPH3;COL1A1;MBTD1	0.350195	3.306481	0.001152	0.115933
NOLC1	-0.35918	-3.30587	0.001154	0.116054
	0.451705	3.305493	0.001155	0.116098
	0.347394	3.306303	0.001152	0.115958
	0.314913	3.306276	0.001152	0.115958
JUND;FKBP8;MRPL34;LRRC25;PGLS	-0.33292	-3.30566	0.001155	0.116063
	0.25951	3.305158	0.001157	0.116117
TTN	0.345813	3.305862	0.001154	0.116054
	-0.43724	-3.30577	0.001154	0.116054
	0.4798	3.305394	0.001156	0.11611
	-0.37666	-3.30575	0.001154	0.116054
	0.317445	3.304946	0.001158	0.116117
CPT1C	-0.41721	-3.30459	0.001159	0.116117
	0.264684	3.305126	0.001157	0.116117
	-0.20506	-3.30519	0.001157	0.116117
TTC40;LRRC27;KNDC1;INPP5A;PWWP2B	-0.41875	-3.30503	0.001157	0.116117
	0.365822	3.304964	0.001158	0.116117
TBC1D2B;DNAJA4;WDR61	-0.25706	-3.30482	0.001158	0.116117
	0.327419	3.304743	0.001158	0.116117
	0.346588	3.304544	0.001159	0.116117
	-0.35239	-3.30408	0.001161	0.116239
NAGK	-0.42121	-3.30453	0.001159	0.116117
	0.33632	3.304538	0.001159	0.116117
DNAJC16;FHAD1;KAZN;FBLIM1;ENSG00000228140;HSPB7;AGMAT;PLEKHM2	0.395298	3.303436	0.001163	0.1163
RFX2;CAPS;PTPRS;HSD11B1L;CATSPERD;ENSG00000267262;TRIP10;MLLT1;ENSG00000267589;ENSG00000266983;NDUFA11;ENSG00000267299	-0.44675	-3.30374	0.001162	0.116265
RAB17;MLPH;TRAF3IP1	0.283526	3.303767	0.001162	0.116265
EIF4G3	-0.37429	-3.30436	0.00116	0.116159
	0.345285	3.303875	0.001162	0.116265
	0.415372	3.303852	0.001162	0.116265
	-0.26801	-3.30344	0.001163	0.1163
PPP1R8	-0.35251	-3.30358	0.001163	0.116299
	0.365961	3.302376	0.001168	0.116523
	0.303945	3.303265	0.001164	0.11634
	0.234041	3.302857	0.001166	0.116417
BNIP1;ERGIC1	-0.5266	-3.30262	0.001167	0.116483
TESC	-0.40135	-3.30304	0.001165	0.1164
TTC22;PARS2	-0.24249	-3.30296	0.001165	0.116404
IQCE;GNA12	0.368186	3.302448	0.001167	0.116522

INVS;TMEM246	0.345274	3.302037	0.001169	0.116628
	0.420919	3.301333	0.001172	0.116822
	0.328346	3.300912	0.001173	0.11693
RNU7-111P	-0.33907	-3.30143	0.001171	0.116811
	-0.25552	-3.30167	0.00117	0.116746
SLC1A1;GLIS3 TBC1D19;SMIM20;SLC34A2;PI4K2B;SOD3;LGI2	-0.47952	-3.3011	0.001173	0.116887
	-0.34378	-3.30079	0.001174	0.11693
	-0.34846	-3.30044	0.001175	0.116978
	-0.36603	-3.30064	0.001174	0.116958
GAS6;TMCO3;ADPRHL1;TMEM255B;F10;DCUN1D2;GRTP1	-0.3959	-3.29987	0.001177	0.116985
	-0.28504	-3.30018	0.001176	0.116978
	0.237288	3.300227	0.001176	0.116978
RTN4IP1;ATG5 UAP1L1;GPSM1;PTGDS;EGFL7;C9orf163;LCNL1;TUBB4B;NOTCH 1;AGPAT2;ENSG00000264527;ENSG00000235117;ENSG00000 227512;FAM69B	-0.64241	-3.3001	0.001177	0.116978
	-0.30801	-3.30078	0.001174	0.11693
	0.291455	3.300105	0.001177	0.116978
PHLDB1;FXYP6;MPZL3;FXYP2;MCAM;SCN2B;KMT2A;DPAGT1;T MPRSS4;C2CD2L;UBE4A;TMEM25;TREH;ENSG00000255176;H MBS;IFT46;USP2-AS1;CCDC153;ENSG00000254528 MARVELD1;FRAT2;HPSE2;SFRP5;RRP12;LCOR;FRAT1	-0.5144	-3.30025	0.001176	0.116978
	-0.33905	-3.29999	0.001177	0.116985
	-0.25225	-3.30031	0.001176	0.116978
	0.38754	3.299892	0.001177	0.116985
H2AFY;JADE2 KIAA1841;BCL11A;PUS10;ENSG00000233953	-0.49818	-3.29905	0.001181	0.117226
	-0.29851	-3.29868	0.001182	0.117291
	-0.33162	-3.29908	0.001181	0.117226
ALDH18A1;ENTPD1-AS1 ECSCR;SPATA24;CYSTM1;DNAJC18;SLC23A1;TMEM173;NRG2;P AIP2;PURA ENSG00000269282 ADAM19	0.300012	3.299116	0.00118	0.117226
	-0.42423	-3.29881	0.001182	0.117291
	0.243891	3.298575	0.001183	0.117303
	0.293352	3.298109	0.001184	0.117439
ALDH1A3	-0.25643	-3.29874	0.001182	0.117291
	-0.26103	-3.29792	0.001185	0.117439
	-0.3139	-3.29795	0.001185	0.117439
CARD11;IQCE	-0.4654	-3.29739	0.001187	0.117579
	-0.4441	-3.29788	0.001185	0.117439
	-0.20979	-3.29791	0.001185	0.117439
SLC25A20	-0.35644	-3.29778	0.001186	0.117452
	0.280459	3.296967	0.001189	0.117717
C14orf79	-0.58203	-3.29622	0.001192	0.1179
	0.413691	3.295813	0.001194	0.1179
	0.237911	3.296777	0.00119	0.117765
	0.17086	3.296119	0.001192	0.1179
	0.475007	3.296654	0.00119	0.117786
	0.206746	3.296017	0.001193	0.1179

GRIP2;FBLN2;NUP210	0.415834	3.295496	0.001195	0.117922
TMPRSS9;OAZ1	0.294365	3.29595	0.001193	0.1179
MON1A	0.266689	3.296488	0.001191	0.117824
	0.386954	3.295842	0.001193	0.1179
STYXL1;CCDC146;HIP1;ENSG00000250990;ENSG00000227038; RHBDD2;DTX2;FDPSP2;ENSG00000213542	-0.35835	-3.2953	0.001196	0.117922
RPL9P8	0.300864	3.295901	0.001193	0.1179
	0.19515	3.295272	0.001196	0.117922
	0.312497	3.295363	0.001195	0.117922
SLC22A23	-0.34442	-3.29531	0.001196	0.117922
	0.40198	3.295324	0.001195	0.117922
TCP11L1;QSER1;DEPDC7;ENSG00000184566	-0.40624	-3.29496	0.001197	0.117977
CHN2;PRR15;ENSG00000235669;CPVL;MTURN;SCRN1;FKBP14; WIPF3;NANOGP4;ENSG00000223813	-0.4448	-3.29427	0.0012	0.118014
	0.337805	3.294925	0.001197	0.117977
CTTN;SHANK2	0.484124	3.29549	0.001195	0.117922
KIF21B;KDM5B	-0.25213	-3.2943	0.0012	0.118014
	0.331325	3.294602	0.001198	0.118014
	-0.43106	-3.29445	0.001199	0.118014
PCSK4;SCAMP4;GRIN3B;SHC2;GAMT;ENSG00000129951;TCF3	-0.49168	-3.29443	0.001199	0.118014
	0.351556	3.293835	0.001201	0.118014
SLFN12L	-0.29224	-3.29393	0.001201	0.118014
ST6GALNAC1;PRPSAP1	0.270127	3.295044	0.001197	0.117977
GPR160;SLC7A14	0.431394	3.294208	0.0012	0.118014
	0.40482	3.293939	0.001201	0.118014
	-0.30767	-3.29407	0.001201	0.118014
	0.436907	3.293663	0.001202	0.118014
	-0.3776	-3.2941	0.0012	0.118014
	0.215537	3.293683	0.001202	0.118014
	-0.34336	-3.2943	0.0012	0.118014
ZNF780B;RPS16;ZNF546;PSMC4;SUPT5H	-0.26284	-3.29352	0.001203	0.118022
ASPA;ENSG00000263050;TRPV3;HIC1;C17orf85;ENSG0000026 2758;ATP2A3	-0.56332	-3.29396	0.001201	0.118014
	-0.33512	-3.29376	0.001202	0.118014
	0.405701	3.292894	0.001205	0.118209
RNF166	-0.29579	-3.29368	0.001202	0.118014
NRP2;ENSG00000225216;ENSG00000180672	-0.36714	-3.2935	0.001203	0.118022
ENSG00000260604;BPHL;ECI2;ENSG00000233068;ENSG00000 270504;SERPINB6;FAM50B;ENSG00000228793;LINC01011;SLC 22A23;MYLK4	-0.43048	-3.29222	0.001208	0.118341
GGT7	-0.38146	-3.29319	0.001204	0.118117
	-0.28381	-3.29206	0.001209	0.118343
MRPS26	0.345699	3.29249	0.001207	0.118331
	0.344685	3.292106	0.001208	0.118343
	-0.32582	-3.29201	0.001209	0.118343
	-0.19703	-3.29239	0.001207	0.118331

SNORA74A;CTNNA1	-0.27824	-3.29238	0.001207	0.118331
	-0.37756	-3.29179	0.00121	0.118403
	-0.42329	-3.29224	0.001208	0.118341
	0.340966	3.291513	0.001211	0.118474
	0.291058	3.291305	0.001212	0.118512
	-0.55251	-3.29147	0.001211	0.118474
	-0.33521	-3.29072	0.001214	0.118659
	0.176695	3.291065	0.001213	0.11858
	0.267848	3.290111	0.001217	0.118678
	-0.34165	-3.29052	0.001215	0.118659
	-0.47137	-3.29058	0.001215	0.118659
BAI1;GPIHBP1	-0.26833	-3.29082	0.001214	0.11865
FAIM2	0.232349	3.290561	0.001215	0.118659
RBKS;SUPT7L;FAM179A	-0.45428	-3.29009	0.001217	0.118678
	0.351484	3.290454	0.001215	0.118659
FES	-0.26626	-3.29031	0.001216	0.118678
ENSG00000228648;ENSG00000231720;MLLT4	-0.34005	-3.28978	0.001218	0.118678
	0.44984	3.289799	0.001218	0.118678
ERG;BRWD1-IT2;ENSG00000205622;WRB;LCA5L	0.369782	3.289529	0.001219	0.118678
	0.346843	3.28952	0.001219	0.118678
HLA-A	-0.48156	-3.28982	0.001218	0.118678
	0.288146	3.289443	0.001219	0.118678
	0.2634	3.289805	0.001218	0.118678
GJC1;GPATCH8;HIGD1B;EFTUD2;FZD2	-0.28949	-3.28977	0.001218	0.118678
	-0.54724	-3.28938	0.001219	0.118678
CCDC33;CYP11A1;HCN4;BBS4;ENSG00000259264;LOXL1;PML;				
ENSG00000260266;C15orf59	-0.44572	-3.28883	0.001222	0.118817
SSBP3;DHCR24;BSND	-0.4679	-3.28848	0.001223	0.118905
PFDN5	0.405972	3.28964	0.001218	0.118678
	0.287927	3.289765	0.001218	0.118678
	-0.3757	-3.2895	0.001219	0.118678
	-0.2051	-3.28897	0.001221	0.118787
KLHL2;MSMO1	-0.36436	-3.2884	0.001223	0.118905
	0.37611	3.289124	0.001221	0.118753
	0.244504	3.288306	0.001224	0.118916
CATSPERB	-0.60567	-3.28842	0.001223	0.118905
SLC44A4;C6orf10;LY6G5C;NOTCH4;ENSG00000225914;VWA7;				
TNXB;NELFE;TCF19;PBX2;CLIC1;CCHCR1;HLA-				
DOB;HSPA1L;BTNL2;ENSG00000272221	-0.5372	-3.28777	0.001226	0.119047
	-0.30409	-3.28806	0.001225	0.118961
ZNF259	0.336113	3.288187	0.001224	0.118936
THSD1;NEK5	-0.33014	-3.2872	0.001228	0.119199
FAM114A1	0.30975	3.287319	0.001228	0.119199
	0.282465	3.287185	0.001228	0.119199
	0.268729	3.287109	0.001229	0.119202
	-0.30078	-3.28667	0.001231	0.119291
	-0.49352	-3.28624	0.001232	0.119291

HCP5;HSPA1A;HLA-B;SLC44A4;C2	0.342433	3.285774	0.001234	0.119291
	0.436175	3.286856	0.00123	0.119276
COL6A1;COL18A1-AS1;ADARB1;COL6A2;PTTG1IP;COL18A1 SMARCD2;STRADA;LRRC37A3;CEP95	0.384879	3.285967	0.001233	0.119291
	-0.28338	-3.28656	0.001231	0.119291
COPG2;UBE2H;NRF1 EFCAB1	0.354987	3.286437	0.001232	0.119291
	0.321078	3.286347	0.001232	0.119291
	-0.28724	-3.28595	0.001234	0.119291
	0.396277	3.286204	0.001232	0.119291
	0.426493	3.28588	0.001234	0.119291
	-0.18699	-3.28635	0.001232	0.119291
BEGAIN	-0.33769	-3.28587	0.001234	0.119291
	0.332175	3.286182	0.001233	0.119291
	0.381589	3.286359	0.001232	0.119291
	0.362024	3.285302	0.001236	0.119318
TMC8;TIMP2;C1QTNF1;TNRC6C- AS1;TNRC6C;CBX8;CBX2;DNAH17	-0.41701	-3.28563	0.001235	0.119291
	-0.4585	-3.28581	0.001234	0.119291
	0.486301	3.285466	0.001236	0.119291
	0.384485	3.285259	0.001236	0.119318
RDH10;RPS3AP32 GAL3ST4;AP1S1;ZNHIT1;EPHB4 FANCA;SPIRE2	-0.64646	-3.28556	0.001235	0.119291
	-0.49109	-3.28445	0.00124	0.119451
	-0.33222	-3.28492	0.001238	0.11937
	0.36745	3.284989	0.001237	0.11937
	0.41796	3.285461	0.001236	0.119291
	0.177758	3.284199	0.001241	0.119475
	0.255816	3.285557	0.001235	0.119291
	-0.3901	-3.28486	0.001238	0.11937
ITGA7;RBMS2;ERBB3;WIBG;ORMDL2;SMARCC2;PTGES3;CD63; GDF11	0.268819	3.285107	0.001237	0.119351
	-0.39076	-3.28419	0.001241	0.119475
SNORA53;SLC25A3	-0.43787	-3.28335	0.001244	0.119604
	0.320815	3.284254	0.001241	0.119475
ST3GAL6	-0.38261	-3.28448	0.00124	0.119451
	-0.61167	-3.28363	0.001243	0.119583
	0.394706	3.28457	0.001239	0.119451
	0.391985	3.284069	0.001241	0.119495
SASH1;SAMDS;CYP51A1P3	-0.26728	-3.28365	0.001243	0.119583
	0.446865	3.283849	0.001242	0.119556
RSPH10B;ENSG00000239696;CYTH3;FSCN1;EIF2AK1	0.28646	3.283579	0.001243	0.119583
	-0.50785	-3.28339	0.001244	0.119604
	-0.35147	-3.28301	0.001246	0.119676
	0.192464	3.282723	0.001247	0.119713
LRRN3;IMMP2L DYRK4;ANO2;VWF;NTF3 MBOAT2;CYS1;KLF11;CPSF3	0.283271	3.283247	0.001245	0.119608
	0.339246	3.283325	0.001244	0.119604
	-0.31592	-3.28291	0.001246	0.119689
	-0.39414	-3.28271	0.001247	0.119713

GIPC3	-0.28151	-3.28246	0.001248	0.119726
NEBL;EIF4BP2	-0.38714	-3.28246	0.001248	0.119726
ALOX5AP	-0.49173	-3.28225	0.001249	0.119726
	0.429926	3.282395	0.001248	0.119726
PPIL1;RPL10A;SRSF3	0.486431	3.282209	0.001249	0.119726
IRF8	-0.30376	-3.28208	0.00125	0.11975
	0.312862	3.282294	0.001249	0.119726
	-0.29442	-3.28254	0.001248	0.119726
MANSC1;PRR4;ETV6;PRH2;PRB3;LOH12CR2	-0.4304	-3.28135	0.001253	0.119798
	-0.37354	-3.28202	0.00125	0.11975
	0.336723	3.28164	0.001251	0.119798
	0.213133	3.28171	0.001251	0.119798
	0.349517	3.28154	0.001252	0.119798
KIF3B;BPIFB1;CBFA2T2;SNTA1;COMMD7;BPIFA1;DNMT3B	-0.39395	-3.28108	0.001254	0.119798
	0.247942	3.281207	0.001253	0.119798
PPM1N	-0.32506	-3.28135	0.001253	0.119798
	0.453942	3.281044	0.001254	0.119798
LTBP3;EFEMP2;CTSF;PELI3	0.326475	3.280939	0.001254	0.119798
PPAP2B	0.330587	3.281082	0.001254	0.119798
	0.342706	3.280652	0.001256	0.119798
ENSG00000266289	0.503344	3.281236	0.001253	0.119798
	-0.26385	-3.28129	0.001253	0.119798
SLC1A7;PODN	0.349475	3.281163	0.001253	0.119798
FAM149B1	0.298044	3.280817	0.001255	0.119798
	0.258195	3.280002	0.001258	0.119884
CAPN2	-0.43772	-3.28056	0.001256	0.119798
HES2;CAMTA1;ACOT7;ESPN	-1.27065	-3.28073	0.001255	0.119798
KIF21B;NR5A2	0.262728	3.280198	0.001257	0.119849
	0.478388	3.280655	0.001255	0.119798
	0.227752	3.280552	0.001256	0.119798
	0.260116	3.279133	0.001262	0.120018
NEK5;THSD1	-0.60912	-3.28048	0.001256	0.119799
	0.316684	3.2794	0.001261	0.119965
	0.355055	3.280168	0.001258	0.119849
	-0.31543	-3.27945	0.001261	0.119965
	-0.3276	-3.28074	0.001255	0.119798
ENSG00000245750;ENSG00000259641;PAQR5;CORO2B;ENSG00000259426	-0.54815	-3.27961	0.00126	0.119965
SNX7	0.344745	3.280157	0.001258	0.119849
HN1L;IFT140;CCDC78;NHLRC4;ENSG00000196674;ENSG00000261659;NME4;METRN;UNKL;BAIAP3;SOX8;RGS11;TMEM204;RHBDF1;HAGHL;SNRNP25;WDR90;UBE2I;TPSB2;POLR3K;MSLN	-0.34424	-3.27918	0.001262	0.120018
	0.344115	3.278964	0.001263	0.120059
	-0.33582	-3.27971	0.001259	0.119965
	0.444271	3.279523	0.00126	0.119965

	0.373357	3.278397	0.001265	0.120232
BCL11B	0.595898	3.279478	0.00126	0.119965
LRRC27;TTC40;ADAM8;KNDC1;PWWP2B	-0.58715	-3.2781	0.001266	0.1203
	0.239172	3.278578	0.001264	0.120187
	-0.25918	-3.27778	0.001268	0.120398
	0.345116	3.278196	0.001266	0.120286
	0.296416	3.276993	0.001271	0.120571
	-0.37739	-3.27713	0.00127	0.120571
ESR1	-0.20784	-3.27738	0.001269	0.120532
	0.406479	3.277078	0.001271	0.120571
	-0.32772	-3.277	0.001271	0.120571
	0.243932	3.276952	0.001271	0.120571
	0.38849	3.276253	0.001274	0.120585
	0.445108	3.276557	0.001273	0.120585
	-0.67462	-3.27569	0.001276	0.12067
	0.408944	3.276694	0.001272	0.120585
	-0.81473	-3.27658	0.001273	0.120585
	0.50404	3.276299	0.001274	0.120585
ADCYAP1R1;INMT;AQP1;RPS27P16;ENSG00000227017;WIPF3	-0.52731	-3.27657	0.001273	0.120585
	0.419725	3.276259	0.001274	0.120585
	-0.19212	-3.27585	0.001276	0.120664
	-0.33229	-3.27676	0.001272	0.120585
HLA-F	-0.30399	-3.27624	0.001274	0.120585
GNL3	-0.24039	-3.27612	0.001275	0.120585
TLN2;TPM1;ENSG00000259498	0.329808	3.2763	0.001274	0.120585
	0.386439	3.275638	0.001277	0.12067
	-0.30139	-3.27613	0.001275	0.120585
	-0.5321	-3.27532	0.001278	0.120696
SCAMP4;PCSK4;GAMT	-0.39071	-3.27504	0.001279	0.12075
ARHGEF10;CLN8;KBTBD11	-0.64643	-3.27575	0.001276	0.12067
AHNAK2;GPR132	-0.37038	-3.27531	0.001278	0.120696
SMIM22;CORO7;GLIS2;CDIP1;TFAP4	-0.49221	-3.27553	0.001277	0.12067
MORN1;ENSG00000272106;PRKCZ	0.418175	3.275509	0.001277	0.12067
	-0.20765	-3.27514	0.001279	0.12074
	0.331893	3.274606	0.001281	0.120879
MKS1;MSI2;SCPEP1;ENSG00000263004;DGKE;AKAP1;SEPT4;VEZF1;C17orf67;ENSG00000263089;EPX	-0.42573	-3.27366	0.001285	0.121118
NME4;CACNA1H;C16orf91	-0.34008	-3.27459	0.001281	0.120879
KIAA0513;FOXL1	0.377667	3.273964	0.001284	0.121051
SRP9;ACBD3;PARP1;TMEM63A;LIN9	-0.36082	-3.27374	0.001285	0.121113
MAPRE3	-0.37583	-3.27325	0.001287	0.121231
	-0.29032	-3.27432	0.001282	0.120963
	0.393323	3.274091	0.001283	0.121026
DLG5-AS1	-0.27294	-3.27334	0.001286	0.121224
	0.321825	3.273069	0.001288	0.121251
	0.213286	3.272896	0.001288	0.121295



CGNL1	0.35416	3.272606	0.00129	0.121358
	-0.30734	-3.27261	0.00129	0.121358
	0.356847	3.272192	0.001291	0.121472
	0.472531	3.273076	0.001288	0.121251
	-0.35416	-3.27211	0.001292	0.121479
	-0.18223	-3.27153	0.001294	0.121608
	-0.34662	-3.2719	0.001293	0.121481
	-0.33818	-3.2722	0.001291	0.121472
	0.218098	3.271951	0.001292	0.121481
	0.357875	3.271911	0.001293	0.121481
GTPBP4;PRR26	0.242055	3.271058	0.001296	0.12175
FRAS1	-0.34668	-3.2709	0.001297	0.121782
	0.374206	3.271043	0.001296	0.12175
	0.37422	3.270536	0.001299	0.121848
	-0.36968	-3.27034	0.001299	0.121902
	-0.63682	-3.26943	0.001303	0.122068
	-0.31821	-3.27072	0.001298	0.121828
	-0.49303	-3.27054	0.001299	0.121848
	-0.6395	-3.2699	0.001301	0.122027
	-0.32534	-3.26955	0.001303	0.122068
	0.337228	3.27001	0.001301	0.122008
ECSCR;SLC23A1;PURA;SPATA24;CYSTM1	-0.31827	-3.26915	0.001305	0.122074
NUP50	0.179745	3.269391	0.001303	0.122068
GOLM1;NAA35;GAS1;AGTPBP1	0.348057	3.269058	0.001305	0.122074
	0.291055	3.269505	0.001303	0.122068
	-0.47077	-3.26954	0.001303	0.122068
	0.322892	3.269416	0.001303	0.122068
	0.333985	3.269334	0.001304	0.122068
	0.394826	3.268889	0.001306	0.122088
	0.177529	3.26792	0.00131	0.122348
	0.308512	3.269217	0.001304	0.122074
	0.566657	3.269055	0.001305	0.122074
	-0.38019	-3.26838	0.001308	0.122243
RAMP3;COA1;POLD2;CCM2;AEBP1;MYO1G	-0.37007	-3.26898	0.001305	0.122077
SNORA71D	0.388457	3.268184	0.001309	0.122294
	-0.36733	-3.26846	0.001308	0.122237
	-0.25107	-3.26811	0.001309	0.122298
	-0.40095	-3.26767	0.001311	0.122422
	0.400742	3.266659	0.001315	0.122619
	0.300744	3.267317	0.001312	0.122486
	0.295759	3.267531	0.001312	0.122453
	-0.41036	-3.267	0.001314	0.122588
	0.403313	3.267369	0.001312	0.122486
	0.401272	3.266597	0.001316	0.122619
SEMA5A;ENSG00000251370;ENSG00000250001;CCT5	-0.39502	-3.26687	0.001314	0.12259
TBC1D22B;BTBD9	0.287224	3.26672	0.001315	0.122619
	0.300432	3.266915	0.001314	0.12259
NID2				

FAM166B;SPAG8	-0.46984	-3.2663	0.001317	0.122687
	-0.23307	-3.2664	0.001316	0.122674
NLRC5;CETP	-0.34257	-3.26621	0.001317	0.122695
	0.74675	3.264809	0.001323	0.122744
RPL21P8	-0.32971	-3.26566	0.00132	0.122744
GALNT10;GRIA1	-0.42227	-3.26524	0.001322	0.122744
MIR143HG;ENSG00000253864;MIR145;MIR143;PDGFRB;ABLI M3;CSNK1A1;ARSI;AFAP1L1;HMGXB3;ENSG00000253406	-0.39032	-3.26592	0.001319	0.122744
	-0.52263	-3.26569	0.00132	0.122744
CCDC146;ENSG00000232756	0.370265	3.265845	0.001319	0.122744
	-0.27046	-3.2654	0.001321	0.122744
DNAH5;ANKH	-0.42198	-3.26538	0.001321	0.122744
KLF11	-0.2685	-3.26559	0.00132	0.122744
LMLN;NRROS;IQCG;CEP19	-0.29044	-3.26511	0.001322	0.122744
GPR133	0.548742	3.26515	0.001322	0.122744
SKP1	-0.42576	-3.26571	0.00132	0.122744
	0.369315	3.265226	0.001322	0.122744
	-0.34145	-3.26536	0.001321	0.122744
	-0.56743	-3.26478	0.001324	0.122744
ENSG00000263316;NUP88	0.343664	3.264634	0.001324	0.122778
	0.367209	3.265011	0.001323	0.122744
	0.442193	3.264837	0.001323	0.122744
KIAA0513;ENSG00000262601	-0.53819	-3.26506	0.001322	0.122744
NME9;DZIP1L;FAIM;CLDN18;ENSG00000248932;ACTG1P1;KRT 8P36;COPB2;RBP2	-0.38325	-3.26425	0.001326	0.122851
USO1;SEPT11;NAAA;ART3	-0.35949	-3.2644	0.001325	0.122848
ITGB2;COL6A2;COL6A1	-0.4607	-3.26502	0.001323	0.122744
	0.300286	3.264943	0.001323	0.122744
MFSD4	-0.39826	-3.26415	0.001326	0.122851
	0.340211	3.264249	0.001326	0.122851
	0.331531	3.264131	0.001326	0.122851
CGNL1;TCF12;AQP9	0.401607	3.263937	0.001327	0.122903
PPP1R16B	-0.35624	-3.26343	0.00133	0.122937
	0.375492	3.263812	0.001328	0.122917
COL23A1;ADAMTS2	0.288766	3.263644	0.001329	0.122937
EFEMP2;CTSF;PELI3;LTBP3;CD248;MUS81;CDC42EP2;CST6	-0.2412	-3.26318	0.001331	0.122937
	0.346264	3.262645	0.001333	0.122982
ARFIP2	0.259779	3.263772	0.001328	0.122917
AHCYL2;FLNC;SMO;CCDC136;RBM28	0.289899	3.263173	0.001331	0.122937
	-0.46273	-3.26318	0.001331	0.122937
	0.364877	3.263298	0.00133	0.122937
	-0.58062	-3.26314	0.001331	0.122937
	-0.34244	-3.26328	0.00133	0.122937
	0.173981	3.262677	0.001333	0.122982
	0.321578	3.262596	0.001333	0.122982

BAIAP2;CCDC40	-0.26403	-3.26291	0.001332	0.12298
	0.40465	3.262453	0.001334	0.122988
	0.475137	3.263156	0.001331	0.122937
CALHM2	0.289453	3.262901	0.001332	0.12298
	-0.30847	-3.26264	0.001333	0.122982
	0.400892	3.261801	0.001337	0.123164
MFGE8;ABHD2;KIF7;NTRK3;ISG20;HAPLN3	-0.31491	-3.26243	0.001334	0.122988
	-0.26563	-3.26257	0.001333	0.122982
	-0.4509	-3.26163	0.001337	0.123207
C1QA;C1QB;C1QC;GRHL3;GALE	-0.32304	-3.26218	0.001335	0.123063
	-0.38277	-3.26202	0.001336	0.123103
	0.480982	3.261358	0.001339	0.123265
SLC23A1;NME5	-0.24326	-3.26115	0.00134	0.123326
BAIAP2L1;KPNA7	-0.34154	-3.26148	0.001338	0.123241
SNX29;ZC3H7A	-0.29892	-3.26053	0.001342	0.123462
	-0.43628	-3.2601	0.001344	0.123567
	-0.36993	-3.26049	0.001343	0.123462
SLC43A2;C17orf97;GEMIN4;MYO1C	0.277604	3.260879	0.001341	0.123408
NXN;MYO1C	0.452267	3.26067	0.001342	0.123462
DNAJC16;KAZN;RNU1-1	0.435283	3.259811	0.001346	0.123607
TGFB1;AXL;CEACAM5;CD79A;POU2F2;ARHGEF1;GRIK5;CEACA M6	-0.59776	-3.26061	0.001342	0.123462
	0.316845	3.260292	0.001343	0.123516
	-0.30895	-3.25996	0.001345	0.123571
TAPBPL;ZNF384	0.335846	3.259359	0.001348	0.123687
	0.536731	3.26003	0.001345	0.12357
	0.417224	3.259603	0.001347	0.123665
ATAD3A	0.30016	3.259336	0.001348	0.123687
	-0.40149	-3.25938	0.001348	0.123687
	-0.42106	-3.25908	0.001349	0.123748
ARHGEF10	0.396528	3.259291	0.001348	0.123687
	-0.55972	-3.25899	0.001349	0.123756
	-0.4405	-3.25836	0.001352	0.123886
SLC9A8;PTGIS;SNAI1;B4GALT5;TMEM189;PARD6B;CEBPB TCTEX1D1;SGIP1;DIRAS3	0.165585	3.258354	0.001352	0.123886
	-0.42354	-3.25789	0.001354	0.123983
	-0.42375	-3.25875	0.00135	0.123819
MOCS1	0.311384	3.258275	0.001352	0.123892
	-0.34061	-3.25836	0.001352	0.123886
	0.366535	3.25871	0.001351	0.123819
FDXR;SMIM5;LLGL2;KCTD2;TRIM65 ENSG00000264198;ERBB2	-0.37418	-3.25716	0.001357	0.124164
	0.372523	3.257739	0.001355	0.123983
	-0.50924	-3.25774	0.001355	0.123983
	-0.80256	-3.25773	0.001355	0.123983
	-0.45645	-3.25746	0.001356	0.124066
	0.474846	3.257785	0.001355	0.123983
	-0.34919	-3.25646	0.001361	0.124214

SUV420H1;TPCN2	0.394041	3.256317	0.001361	0.124216
	0.312394	3.256739	0.001359	0.12418
	-0.45589	-3.25626	0.001362	0.124216
	-0.41081	-3.25673	0.001359	0.12418
LARP4B	-0.35791	-3.25639	0.001361	0.124215
	0.243469	3.256458	0.001361	0.124214
	-0.37981	-3.25681	0.001359	0.12418
	0.394867	3.256746	0.001359	0.12418
	0.391282	3.256092	0.001362	0.124259
SNTB2;TANGO6;IL34;HAS3;ST3GAL2;NQO1;DDX19A;VPS4A	-0.45558	-3.2554	0.001365	0.124341
	0.350755	3.256502	0.00136	0.124214
HES2;ESPN;CAMTA1	-0.45801	-3.25676	0.001359	0.12418
	0.26264	3.256	0.001363	0.124271
	0.432004	3.256757	0.001359	0.12418
	0.185705	3.255591	0.001365	0.124341
MMRN2;MINPP1;SNCG;GLUD1;GRID1	0.313366	3.255071	0.001367	0.124341
ENSG00000234478;EPHX1;ENAH;PYCR2;ITPKB;SRP9;C1orf95 ENSG00000264198;IKZF3;ERBB2;KRT13	-0.58716	-3.25404	0.001372	0.124341
	-0.51524	-3.25563	0.001364	0.124341
	0.370173	3.255855	0.001363	0.124304
PTPRS;CATSPERD;RFX2;CAPS;TRIP10;TINCR;HSD11B1L;ENSG00000267589;VAV1;SH2D3A;ENSG00000267427;DENND1C;FUT6;TNFSF14;ENSG00000267262;NDUFA11;MLLT1;ENSG00000266983	-0.3509	-3.25421	0.001371	0.124341
	0.277913	3.254981	0.001367	0.124341
	0.290693	3.255041	0.001367	0.124341
	-0.48392	-3.25488	0.001368	0.124341
DOCK1	0.470551	3.254917	0.001368	0.124341
	-0.32353	-3.2543	0.00137	0.124341
	0.263479	3.253681	0.001373	0.124353
	0.26771	3.25457	0.001369	0.124341
UFD1L	0.430067	3.254244	0.001371	0.124341
	0.265348	3.255027	0.001367	0.124341
	0.346385	3.254742	0.001368	0.124341
	-0.24112	-3.25457	0.001369	0.124341
TSSC1	0.29615	3.254003	0.001372	0.124341
	0.379542	3.253827	0.001373	0.124346
	0.338685	3.254341	0.00137	0.124341
	0.199651	3.253903	0.001372	0.124341
ENSG00000249574	0.399973	3.254493	0.00137	0.124341
	-0.46589	-3.25432	0.00137	0.124341
	0.282458	3.254856	0.001368	0.124341
	0.486238	3.254105	0.001371	0.124341
DLL4	0.329695	3.254813	0.001368	0.124341
	-0.33347	-3.25433	0.00137	0.124341
KIF22	0.257073	3.254097	0.001371	0.124341

	-0.3321	-3.2543	0.00137	0.124341
	-0.25078	-3.25336	0.001375	0.124433
	-0.38807	-3.25405	0.001372	0.124341
	-0.31066	-3.25368	0.001373	0.124353
	0.325155	3.253942	0.001372	0.124341
	0.367271	3.253262	0.001375	0.124447
	0.26212	3.252889	0.001377	0.124495
	-0.44906	-3.25316	0.001376	0.124456
PIH1D1	-0.30921	-3.25346	0.001374	0.124417
KIF18B	-0.52938	-3.25293	0.001377	0.124495
	0.34467	3.252163	0.00138	0.124591
	0.437785	3.252771	0.001377	0.124518
	0.527696	3.252498	0.001379	0.124577
	-0.359	-3.25198	0.001381	0.124591
	0.41775	3.252582	0.001378	0.124569
TRIP13;NKD2;TPPP;NDUFS6;LPCAT1;MRPL36;ZDHHC11	-0.44689	-3.25195	0.001381	0.124591
	0.345303	3.251943	0.001381	0.124591
EVI5;ABCA4;BCAR3;F3;ENSG00000233129;GCLM;ENSG000002				
24093;MTF2;ABCD3;MTND4P11;FNBP1L;ENSG00000225505	-0.39957	-3.25233	0.001379	0.124591
GPR176;SRP14-AS1	-0.37064	-3.25189	0.001381	0.124591
	0.391047	3.251641	0.001383	0.124599
TNIK	-0.44287	-3.25311	0.001376	0.124456
	0.243177	3.252298	0.00138	0.124591
ENSG00000261788;VPS35;MYLK3;ITFG1	-0.55415	-3.25204	0.001381	0.124591
	0.404755	3.251617	0.001383	0.124599
HSPG2	0.270723	3.252095	0.00138	0.124591
	-0.29104	-3.25136	0.001384	0.124678
GRAP2;SUN2;PDGFB	-0.3468	-3.25173	0.001382	0.124599
	0.321065	3.251628	0.001383	0.124599
ENSG00000231980;PTPRN2;RNF32;ENSG00000233038;ENSG0				
0000222012	-0.74683	-3.25061	0.001387	0.124882
	-0.28896	-3.25094	0.001386	0.124825
FAM174B;SLCO3A1	-0.44085	-3.25045	0.001388	0.124895
LY75;ENSG00000227403	-0.41505	-3.25013	0.001389	0.124947
	0.354502	3.250733	0.001387	0.124873
	-0.46491	-3.2507	0.001387	0.124873
	0.277938	3.250269	0.001389	0.124945
	-0.29772	-3.25007	0.00139	0.124947
LSP1	-0.22968	-3.25049	0.001388	0.124895
ENSG00000236864	-0.23735	-3.24962	0.001392	0.125099
ST6GALNAC2;MXRA7;SEC14L1;ENSG00000261335	-0.27192	-3.2502	0.001389	0.124946
	-0.25005	-3.24955	0.001392	0.125099
	0.359046	3.249454	0.001393	0.125099
	0.318587	3.248953	0.001395	0.125148
DHRS7B	-0.43418	-3.24922	0.001394	0.125127
ENTPD1;CYP2C8;TCTN3	-0.30673	-3.24855	0.001397	0.12519

	0.411157	3.249346	0.001393	0.125117
IGHMBP2;ANO1;TPCN2	-0.33316	-3.2485	0.001397	0.12519
TLR4	-0.58886	-3.2495	0.001392	0.125099
BCL2L1;TTLL9;REM1;TPX2;RNU1-94P	-0.43231	-3.24913	0.001394	0.125127
TUBE1	0.346409	3.248434	0.001397	0.12519
COBL;IKZF1	-0.51262	-3.24901	0.001395	0.125148
	-0.41205	-3.24915	0.001394	0.125127
	0.172828	3.248315	0.001398	0.125195
	-0.37631	-3.24845	0.001397	0.12519
	-0.26816	-3.24883	0.001395	0.125174
	-0.29021	-3.24827	0.001398	0.125195
	0.48768	3.248129	0.001399	0.125211
	-0.33237	-3.2481	0.001399	0.125211
	-0.33979	-3.24841	0.001397	0.12519
CASS4	0.349635	3.247517	0.001402	0.125313
	0.409879	3.247981	0.001399	0.125236
	-0.32798	-3.24844	0.001397	0.12519
ZAP70;ARID5A;KANSL3;FAM178B;CIAO1;CNNM4	-0.54914	-3.24791	0.0014	0.12524
	-0.31027	-3.24693	0.001404	0.125359
	-0.25556	-3.24684	0.001405	0.125359
	0.375018	3.247587	0.001401	0.125313
	0.270351	3.247293	0.001403	0.125344
TSSC1	-0.5166	-3.2468	0.001405	0.125359
	0.341311	3.246429	0.001407	0.12546
	0.392656	3.247276	0.001403	0.125344
	0.296085	3.247478	0.001402	0.125313
	0.328157	3.247109	0.001403	0.125359
ASPA	0.272285	3.24701	0.001404	0.125359
LRRC36;PLEKHG4;CMTM4	-0.49318	-3.2475	0.001402	0.125313
	-0.27042	-3.24699	0.001404	0.125359
	0.355091	3.246906	0.001404	0.125359
	0.313897	3.2466	0.001406	0.125416
	-0.51153	-3.24568	0.00141	0.125608
	-0.18882	-3.24571	0.00141	0.125608
	-0.33546	-3.24523	0.001412	0.125638
	0.198802	3.245495	0.001411	0.125608
	0.282672	3.245743	0.00141	0.125608
TSPAN3;CSPG4;SNX33	0.397823	3.24586	0.001409	0.125608
HLA-F;HCP5;PPP1R11;PPP1R18;PPP1R10;HLA-E;HLA-F-AS1;GABBR1	0.404356	3.246121	0.001408	0.125536
DYNLRB2;C16orf46;ENSG00000260183;ENSG00000261838;ENSG00000261141;CENPN;CMIP	-0.36202	-3.24555	0.001411	0.125608
H3F3B	-0.35115	-3.24619	0.001408	0.125534
ENSG00000259225;MEIS2	-0.43938	-3.24542	0.001411	0.125608
	0.47835	3.245379	0.001411	0.125608
IGHJ3P;KIAA0125;C14orf79;GPR132;IGHG1	0.366316	3.245566	0.001411	0.125608
ITPKB;PYCR2;C1orf95;H3F3A	-0.54088	-3.24517	0.001412	0.125638

	-0.32877	-3.24512	0.001413	0.125638
	0.295018	3.243753	0.001419	0.125995
ZKSCAN1;EPHB4;RABL5;PCOLCE;ZNF3;ZCWPW1;ACHE;ZNHIT1; AP1S1;PLOD3;CLDN15;GAL3ST4;GNB2	0.345378	3.244584	0.001415	0.125808
NKX6-1	-0.29924	-3.2439	0.001418	0.125962
KIAA1549;ATP6V0A4;ENSG00000271537;TTC26	-0.53874	-3.2449	0.001414	0.125702
TMEM255B;F10	-0.28566	-3.2444	0.001416	0.125834
LDHA	-0.23189	-3.2445	0.001416	0.125816
	0.339647	3.244062	0.001418	0.12592
ADCY5	-0.25602	-3.24369	0.001419	0.125995
CBFA2T3;PIEZO1;ENSG00000259881;ENSG00000261226;SPIRE 2;SPATA33;RNF166;ENSG00000260121;ENSG00000260259	-0.41251	-3.24407	0.001418	0.12592
	0.305581	3.243291	0.001421	0.126115
SMCO4	-0.52774	-3.24293	0.001423	0.126182
	0.43364	3.242603	0.001424	0.126249
	0.316287	3.243279	0.001421	0.126115
SNHG15;TBRG4;CCM2;POLD2;TMED4;SNORA5C;PPIA	-0.47084	-3.24308	0.001422	0.126173
	0.154418	3.241934	0.001428	0.126336
	0.420073	3.241566	0.001429	0.126389
	0.341722	3.242581	0.001425	0.126249
	-0.42768	-3.24235	0.001426	0.126267
	-0.5656	-3.24296	0.001423	0.126182
	0.416862	3.242087	0.001427	0.126331
AIM2;PYHIN1;FCRL5	0.486023	3.242654	0.001424	0.126249
	-0.39838	-3.24201	0.001427	0.126331
RASSF1;CACNA2D2;DOCK3;BSN;PRKAR2A;UBA7;PRKAR2A-AS1	-0.33649	-3.24237	0.001426	0.126267
	0.276157	3.242033	0.001427	0.126331
LHFP;COG6	0.368914	3.241868	0.001428	0.126337
	0.354361	3.242406	0.001425	0.126267
SLC41A1;TMCC2	0.239631	3.241305	0.001431	0.126389
	0.240177	3.241121	0.001431	0.12644
EIF2AK1	-0.2992	-3.24136	0.00143	0.126389
EFCAB11;CCDC88C;CALM1;TDP1;CATSPERB;RPS6KA5	-0.48306	-3.2415	0.00143	0.126389
	-0.33186	-3.24138	0.00143	0.126389
GP5;FAM43A;ENSG00000230102;XXYLT1-AS2;LSG1	-0.42046	-3.24149	0.00143	0.126389
	-0.30049	-3.24096	0.001432	0.126477
CTSF;FAM86C2P;EFEMP2;GSTP1;CST6;CD248;CARNS1;PITPNM 1	-0.30088	-3.24082	0.001433	0.126485
	0.310119	3.240907	0.001432	0.126477
SH2D2A	-0.28029	-3.24138	0.00143	0.126389
ENTPD1;ENTPD1- AS1;ENSG00000269948;SORBS1;C10orf131;ENSG0000023402 6	-0.40679	-3.2398	0.001438	0.126678
ZDHC13;E2F8;ENSG00000255308	-0.60647	-3.24046	0.001435	0.126532
	-0.35018	-3.24032	0.001435	0.126564

INPP5K;SCARF1;HIC1	-0.45927	-3.24076	0.001433	0.126485
FBLN1;ENSG00000226328;ENSG00000238120;NUP50;ENSG0000230922;RIBC2	-0.44014	-3.24008	0.001436	0.126613
PSMG3	0.362578	3.240131	0.001436	0.126613
	0.265789	3.240585	0.001434	0.126532
	-0.40525	-3.23994	0.001437	0.126646
	-0.27152	-3.24049	0.001434	0.126532
	0.31697	3.239566	0.001439	0.126724
	0.364784	3.23936	0.00144	0.12674
GRHL2	-0.37805	-3.23964	0.001438	0.12672
VSTM2L;KIAA1755;RPRD1B;DHX35;SNHG17	-0.30204	-3.23878	0.001443	0.12682
TBX2	0.375027	3.239155	0.001441	0.12674
	0.444023	3.239247	0.00144	0.12674
	0.357715	3.239189	0.001441	0.12674
PTP4A3;DENND3	-0.36185	-3.23927	0.00144	0.12674
SPRY1	0.514735	3.239233	0.00144	0.12674
	0.37502	3.238775	0.001443	0.12682
CTSF;DPP3;ENSG00000254510;FAM86C2P;GSTP1;UNC93B1;PELI3;ALDH3B2;CDK2AP2;NUDT8;CARNS1;ENSG00000213409	-0.37668	-3.23843	0.001444	0.126941
	-0.31211	-3.23901	0.001441	0.126773
	-0.28139	-3.2376	0.001448	0.127053
	0.345717	3.237959	0.001446	0.126962
	0.299563	3.238074	0.001446	0.126962
	0.288532	3.237893	0.001447	0.126962
	-0.25492	-3.23789	0.001447	0.126962
	-0.25952	-3.23639	0.001454	0.127246
DAXX	0.356674	3.237912	0.001447	0.126962
NOS3;ACTR3C;GIMAP8;GIMAP6;REPIN1;RARRES2;SMARCD3	-0.30654	-3.23682	0.001452	0.127196
TSTA3	0.243175	3.238125	0.001446	0.126962
	-0.35542	-3.23798	0.001446	0.126962
	-0.39063	-3.23733	0.001449	0.127086
	-0.32744	-3.23788	0.001447	0.126962
SNORA74A	0.436402	3.236574	0.001453	0.127196
	-0.55191	-3.2374	0.001449	0.127084
	0.295054	3.235844	0.001457	0.127295
FAM43A;MUC4;LRRC15	0.389065	3.236112	0.001455	0.127286
	0.295901	3.237468	0.001449	0.127081
MORN4	-0.35952	-3.23722	0.00145	0.127108
	0.30157	3.236777	0.001452	0.127196
	0.315302	3.235946	0.001456	0.127295
PTPRS;FUT3	-0.46193	-3.23659	0.001453	0.127196
MSRB1;TMEM8A;TRAF7	0.232312	3.236857	0.001452	0.127196
NSUN7;ENSG00000250893;ENSG00000248780	-0.30492	-3.23552	0.001458	0.127295
	0.443865	3.236707	0.001452	0.127196
	0.444397	3.236681	0.001453	0.127196



MFSD6;MYO1B;TMEFF2;GLS TTYH2;CASKIN2	-0.35962	-3.23626	0.001455	0.127249
	0.464951	3.236272	0.001455	0.127249
	0.447648	3.235741	0.001457	0.127295
	-0.39581	-3.23551	0.001458	0.127295
	0.315835	3.23487	0.001461	0.127384
	0.256184	3.235546	0.001458	0.127295
WRAP53;TMEM107;DNAH2;KIAA0753;NLGN2;CHD3;CYB5D1;E NSG00000269928;MIR497HG;TEKT1;EFNB3;C17orf49;TP53 C6orf132;ENSG00000261068	-0.30489	-3.23524	0.001459	0.127337
	0.454955	3.235568	0.001458	0.127295
	0.438457	3.235915	0.001456	0.127295
MYL12A;TGIF1;MYL12B	-0.39237	-3.23535	0.001459	0.127317
	-0.4619	-3.23547	0.001458	0.127295
FAM211A-AS1 NRXN2;RASGRP2;SIPA1;PYGM;PPP2R5B;EFEMP2;SLC25A45;CD 248;CST6;MAP4K2;EHBP1L1;CTSF;MAP3K11;CCDC87;LTBP3;EH D1	-0.20707	-3.23482	0.001462	0.127384
	-0.35269	-3.2349	0.001461	0.127384
	0.366505	3.234684	0.001462	0.127404
	0.28385	3.235184	0.00146	0.127337
	-0.26472	-3.23507	0.00146	0.127359
	0.440598	3.235522	0.001458	0.127295
	0.350857	3.233758	0.001467	0.127404
	0.331286	3.233728	0.001467	0.127404
	0.23677	3.234082	0.001465	0.127404
	-0.39054	-3.23401	0.001465	0.127404
NUDT4;PLEKHG7;C12orf74;SOCS2- AS1;SOCS2;MRPL42;ENSG00000257512;UBE2N;CRADD	0.16816	3.234347	0.001464	0.127404
	-0.34696	-3.23434	0.001464	0.127404
	0.312366	3.233904	0.001466	0.127404
	-0.29269	-3.23463	0.001462	0.127404
	0.491142	3.234432	0.001463	0.127404
CYTIP				
PLXND1;ENSG00000187695;RPN1;TMCC1;COPG1;IFT122;COL6 A6;KIAA1257;EFCAB12 NWD1;MYO9B;NOTCH3;BRD4;SIN3B;C19orf44;ENSG00000273 218;ENSG00000267275;KLF2	0.429282	3.233393	0.001468	0.127441
	-0.51179	-3.2338	0.001466	0.127404
	0.309271	3.233906	0.001466	0.127404
	-0.27695	-3.23348	0.001468	0.12743
	-0.40594	-3.23413	0.001465	0.127404
KCTD11;ACAP1;CTC1;VAMP2 SOCS1;ATF7IP2 TSPAN15;TACR2;PALD1 TAL1;IPP;CYP4B1;TSPAN1;ENSG00000226252	0.274024	3.232899	0.001471	0.127515
	-0.4078	-3.2336	0.001467	0.127404
IFT140;HN1L;CCDC78;BAIAP3;PDPK1;HAGH;ENSG00000261659 ;HAGHL;SOX8;METRN;HS3ST6;MSRB1;UBE2I;GFER;RNPS1;ENSG 00000260807;UNKL;WDR24;CHTF18;TMEM204;CACNA1H FAM83H-AS1;RHPN1- AS1;MAPK15;RHPN1;LY6H;BAI1;PYCRL;PSCA	-0.66136	-3.23376	0.001467	0.127404
	-0.46562	-3.2343	0.001464	0.127404
	0.227297	3.233913	0.001466	0.127404

	0.305587	3.233992	0.001466	0.127404
GRK5;GRK5-IT1	-0.42823	-3.23365	0.001467	0.127404
TMC8;MXRA7	-0.34844	-3.23279	0.001471	0.127515
	0.347127	3.233071	0.00147	0.127515
PLXDC1;ERBB2;ENSG00000264198;ENSG00000263818	-0.39492	-3.2328	0.001471	0.127515
SLC10A6	0.200092	3.232851	0.001471	0.127515
	0.414359	3.233113	0.00147	0.127515
	0.240556	3.232696	0.001472	0.127527
	0.403891	3.232813	0.001471	0.127515
	0.27738	3.232157	0.001474	0.127691
FBP1;FANCC;PHF2	-0.35083	-3.2312	0.001479	0.12782
CSMD2	-0.43498	-3.23206	0.001475	0.127691
SLFN5;RFFL;UNC45B	-0.24332	-3.23103	0.00148	0.127864
	0.364375	3.231966	0.001475	0.127691
RBM23;SLC22A17;CDH24	0.294258	3.231964	0.001475	0.127691
	-0.30895	-3.23148	0.001478	0.127778
KIF3B;CCM2L;CBFA2T2;BPIFB1;SNTA1	-0.31607	-3.23181	0.001476	0.127691
	0.437622	3.231865	0.001476	0.127691
CALHM2	0.457137	3.232093	0.001475	0.127691
	0.369757	3.230596	0.001482	0.127879
	0.2643	3.231322	0.001478	0.12782
	-0.41508	-3.23164	0.001477	0.12774
CSF1;CLCC1;KCNA3;LAMTOR5	0.312402	3.231867	0.001476	0.127691
	-0.39738	-3.23122	0.001479	0.12782
	-0.34822	-3.23093	0.00148	0.127879
	-0.36499	-3.23038	0.001483	0.127879
GPR124;RAB11FIP1	-0.30108	-3.22957	0.001487	0.127938
	-0.30848	-3.22998	0.001485	0.127879
	-0.3249	-3.23049	0.001483	0.127879
	0.283939	3.230675	0.001482	0.127879
	-0.48893	-3.22968	0.001487	0.127923
TGFB3;TTLL5;GPATCH2L	-0.38608	-3.23011	0.001484	0.127879
	-0.25484	-3.2298	0.001486	0.127921
	-0.19409	-3.23021	0.001484	0.127879
	0.345799	3.230079	0.001485	0.127879
	-0.51173	-3.23024	0.001484	0.127879
TMEM254;PPIF;ZCCHC24;ZMIZ1	-0.33558	-3.23011	0.001484	0.127879
	-0.46589	-3.23026	0.001484	0.127879
	0.222852	3.230138	0.001484	0.127879
	-0.32184	-3.22904	0.00149	0.127983
	0.225342	3.230163	0.001484	0.127879
MISP;PPAP2C	-0.35828	-3.22946	0.001488	0.127938
	0.36856	3.229451	0.001488	0.127938
KIAA1211L;TSGA10;TMEM131;VWA3B;ENSG00000222000;LIN				
C01125;CNCA3	-0.39708	-3.22923	0.001489	0.127966
AES	0.369269	3.230172	0.001484	0.127879
HMHA1;ARID3A;MISP;PPAP2C;SHC2	-0.44215	-3.23027	0.001484	0.127879

IL18RAP	-0.43369	-3.22967	0.001487	0.127923
	-0.3364	-3.22996	0.001485	0.127879
	0.245304	3.229203	0.001489	0.127966
	-0.30396	-3.22877	0.001491	0.128019
GIMAP7	0.34382	3.228997	0.00149	0.127983
CD160	0.327272	3.229356	0.001488	0.127952
CARD8	-0.27468	-3.22898	0.00149	0.127983
	-0.24299	-3.22861	0.001492	0.128035
	-0.27292	-3.22816	0.001494	0.12813
SALL2;ZNF219;ANG;ARHGEF40;TMEM55B	-0.41046	-3.22877	0.001491	0.128019
	0.29211	3.228505	0.001492	0.128054
	0.158243	3.228647	0.001492	0.128035
	0.326508	3.228129	0.001494	0.12813
ROR1	-0.43249	-3.22782	0.001496	0.12817
	0.258833	3.22771	0.001496	0.12817
PRKCB;ERN2;ENSG00000260136;COG7	-0.36399	-3.22808	0.001494	0.12813
PTHLH	-0.47907	-3.22747	0.001497	0.12817
ENSG00000267325	-0.42712	-3.22744	0.001498	0.12817
	0.356668	3.227307	0.001498	0.12817
	0.42278	3.22816	0.001494	0.12813
ENSG00000272106;ENSG00000269896;SSU72	0.270903	3.227218	0.001499	0.12817
LYPD3;ZNF221;ZNF235;ZNF428	-0.66806	-3.22747	0.001497	0.12817
LRTOMT;PDE2A;SHANK2	-0.36055	-3.22761	0.001497	0.12817
	0.288925	3.22724	0.001499	0.12817
	-0.60894	-3.22763	0.001497	0.12817
ST14	0.24396	3.226646	0.001501	0.128299
	-0.28827	-3.22719	0.001499	0.12817
BASP1;ENSG00000215196;FAM134B;FBXL7	-0.53326	-3.2267	0.001501	0.128299
	0.331906	3.227011	0.0015	0.128222
	-0.21134	-3.2257	0.001506	0.128392
	0.312465	3.226467	0.001502	0.128344
	0.241865	3.227361	0.001498	0.12817
	0.349011	3.225768	0.001506	0.128388
	0.368031	3.226823	0.001501	0.128276
	-0.34712	-3.22722	0.001499	0.12817
PHLDB1;MPZL3;IFT46;DSCAML1;FXD2;KMT2A;ENSG00000255176;TREH;PCSK7	0.388164	3.226309	0.001503	0.128344
	-0.44785	-3.22587	0.001505	0.128381
	-0.49526	-3.22621	0.001504	0.128355
	0.171793	3.226297	0.001503	0.128344
MAPK11;RABL2B;MAPK12;C22orf34	-0.37178	-3.22608	0.001504	0.128357
MPZL3;TMPRSS13;IL10RA	-0.58198	-3.22636	0.001503	0.128344
PRR4;PRB4;PRB3;PRB1;PRB2;LOH12CR2;MANSC1;GPRC5A;CRE	0.262459	3.226127	0.001504	0.128357
BL2;DUSP16	-0.31118	-3.22536	0.001508	0.128437
S1PR4;MATK;ARRDC5	0.403655	3.225845	0.001505	0.128381
ZNF135;ZNF584	0.330368	3.225983	0.001505	0.128374

ARHGAP31;ARHGAP31-AS1;GPR156;RABL3;GTF2E1	-0.36204	-3.22527	0.001508	0.128437
PDPN	-0.42018	-3.22521	0.001509	0.128437
	0.361523	3.225418	0.001508	0.128437
	-0.21502	-3.22529	0.001508	0.128437
ABCA17P;CACNA1H	0.276616	3.224534	0.001512	0.128533
TLE2;C19orf10;FZR1;APBA3	-0.3558	-3.22517	0.001509	0.128437
MCAM	0.456376	3.225401	0.001508	0.128437
	0.387799	3.223975	0.001515	0.128558
	-0.2995	-3.22499	0.00151	0.128462
	-0.21594	-3.22401	0.001515	0.128558
	-0.37704	-3.22432	0.001513	0.128533
	-0.3541	-3.22508	0.001509	0.128448
NFIX	-0.38648	-3.22421	0.001514	0.128537
ANXA2P2	0.37694	3.224456	0.001512	0.128533
	0.316527	3.224773	0.001511	0.128476
	0.23789	3.22486	0.00151	0.128473
	-0.35433	-3.22434	0.001513	0.128533
	0.326325	3.22484	0.00151	0.128473
	0.317254	3.223117	0.001519	0.128762
CLDN7;ACAP1;TXNDC17;CTC1;TNFSF12;ELP5;BCL6B;MPDU1;VA				
MP2;ARHGEF15;MYH10;ALOX12P2;AURKB;ATP1B2;TNK1	-0.4427	-3.22443	0.001512	0.128533
	0.314477	3.223488	0.001517	0.128713
TEK	0.176432	3.224274	0.001513	0.128533
	0.240182	3.224102	0.001514	0.128555
DHX16;NRM;DDR1;PPP1R18	0.318576	3.22301	0.00152	0.128762
	0.295612	3.223128	0.001519	0.128762
	0.30285	3.223303	0.001518	0.12874
RSPH1;TMPRSS3;C21orf128;ZNF295-				
AS1;ENSG00000225431;LINC00479;SLC37A1;UMODL1;LINC00				
111;ABCG1;FAM3B;ENSG00000235772;TFF3;PDE9A;TMPRSS2;				
C2CD2;WDR4	-0.45088	-3.22142	0.001527	0.129052
C9orf163;UAP1L1;EGFL7;LCNL1;PTGDS;NOTCH1	-0.28424	-3.22365	0.001516	0.128669
	0.29627	3.222151	0.001524	0.12899
ENSG00000223991;PPP1R7;ENSG00000233392;PASK;ENSG000				
00226321;BOK;KIF1A;SNED1;ENSG00000216921	-0.49807	-3.22248	0.001522	0.12896
AXL;LTBP4;ARHGEF1;PRX;CD79A;GRIK5;TGFB1;DEDD2;B9D2;EN				
SG00000269353;ADCK4;CEACAM6;CYP2F1;CYP2B7P	-0.35467	-3.22332	0.001518	0.12874
	-0.36646	-3.22242	0.001522	0.12896
	-0.34711	-3.22304	0.001519	0.128762
GDE1;CCP110;TMC5;IQCK;GPRC5B;ENSG00000260681;ENSG0				
0000259925;ENSG00000261195;COQ7	0.282143	3.221874	0.001525	0.129014
CASZ1;APITD1;SLC2A5;ENSG00000234546;ENSG00000272078	-0.39788	-3.22119	0.001529	0.129076
EVI5;BCAR3	-0.45859	-3.22202	0.001524	0.12899
	0.32033	3.221991	0.001525	0.12899

	0.251294	3.222042	0.001524	0.12899
	0.217466	3.220369	0.001533	0.129173
	-0.36534	-3.22228	0.001523	0.12899
PEAR1;NES;ASH1L;LRRC71;MEF2D;SYT11;MTX1;ARHGEF2;HDGF;SLC50A1;SHC1;MUC1;HCN3;LAMTOR2	-0.50747	-3.22148	0.001527	0.129052
	0.309922	3.221457	0.001527	0.129052
	0.354759	3.221467	0.001527	0.129052
C1orf194;GSTM4;STRIP1;GSTM3;GPSM2;CELSR2;CSF1;WDR47	-0.31586	-3.22053	0.001532	0.129173
	0.178443	3.221645	0.001526	0.129052
LRCH1	-0.39309	-3.22209	0.001524	0.12899
	0.285522	3.221797	0.001526	0.129021
	-0.22695	-3.2207	0.001531	0.129156
C1orf168;PPAP2B	0.419416	3.221185	0.001529	0.129076
	-0.38017	-3.22076	0.001531	0.129156
	-0.28046	-3.22134	0.001528	0.129062
FMN1	-0.31056	-3.21943	0.001537	0.1293
	0.405215	3.220423	0.001532	0.129173
NXPH3;LRRC59;COL1A1;UTP18;SAMD14	-0.27069	-3.2204	0.001533	0.129173
	0.373251	3.221088	0.001529	0.129092
	0.457203	3.219553	0.001537	0.1293
ENSG00000224090;STK36;ENSG00000227308;CCDC108	-0.23282	-3.22072	0.001531	0.129156
	0.415772	3.219779	0.001536	0.129291
	-0.17357	-3.21982	0.001536	0.129291
RAB31L1;C11orf48;LRRN4CL;FADS3;VPS37C;TMEM258;DAK;MYRF;FADS1;TMEM216;TMEM138;FADS2;CYB561A3;SCGB2A1;AHNAK;INTS5	-0.39774	-3.2203	0.001533	0.129173
	0.315967	3.218794	0.001541	0.129343
PLEKHG1	-0.43394	-3.21927	0.001538	0.1293
	-0.28022	-3.22082	0.00153	0.129156
DNAAF2;ENSG00000259071	-0.40799	-3.21994	0.001535	0.129291
	0.311315	3.21922	0.001539	0.1293
	-0.26894	-3.21951	0.001537	0.1293
ENSG00000237234;LAMA4;SLC16A10;ENSG00000226440;ENSG00000270661;ENSG00000271208	-0.43219	-3.21988	0.001535	0.129291
	-0.37364	-3.22036	0.001533	0.129173
	-0.38767	-3.21876	0.001541	0.129343
KIAA0513;C16orf74	-0.32922	-3.21969	0.001536	0.1293
	-0.64925	-3.21935	0.001538	0.1293
	0.286911	3.218825	0.001541	0.129343
	0.279814	3.219302	0.001538	0.1293
	0.355037	3.21924	0.001538	0.1293
	-0.52094	-3.21816	0.001544	0.129496
	0.393398	3.218826	0.001541	0.129343
	0.413169	3.21878	0.001541	0.129343
HERC1	-0.42698	-3.2191	0.001539	0.129324
MTHFD1L	0.339223	3.217349	0.001548	0.129562

TTC9	-0.39321	-3.2176	0.001547	0.129553
	0.203755	3.217973	0.001545	0.129544
	0.357462	3.217489	0.001547	0.129553
	0.461989	3.217926	0.001545	0.129544
	0.3011	3.218284	0.001543	0.129469
NOS2	-0.34875	-3.21834	0.001543	0.129469
FNBP1	-0.31619	-3.21787	0.001545	0.129544
FKBP4	0.285216	3.217141	0.001549	0.129582
	0.285689	3.217125	0.001549	0.129582
	0.282619	3.216719	0.001551	0.129673
	-0.30595	-3.21828	0.001543	0.129469
ZNF438;SVIL	-0.3492	-3.21765	0.001547	0.129553
	0.282612	3.217516	0.001547	0.129553
	0.373858	3.217548	0.001547	0.129553
PKN3;FNBP1;USP20;SET	-0.23051	-3.21609	0.001554	0.129739
	-0.46719	-3.21712	0.001549	0.129582
	0.327774	3.217494	0.001547	0.129553
	-0.33979	-3.21588	0.001556	0.129739
LAD1;PKP1;PTPN7;ENSG00000224818;NAV1	-0.36758	-3.21736	0.001548	0.129562
	0.419237	3.215685	0.001557	0.129739
PYCR2;ITPKB;ENSG00000234478;C1orf95;H3F3A;SRP9	-0.28333	-3.21624	0.001554	0.12973
	0.291142	3.216904	0.00155	0.129625
BAIAP2;PCYT2;SLC25A10	-0.46541	-3.21597	0.001555	0.129739
TTC38	-0.46468	-3.21596	0.001555	0.129739
	0.386745	3.216318	0.001553	0.129722
	0.430213	3.216468	0.001553	0.129709
	-0.42623	-3.21694	0.00155	0.129625
	-0.42037	-3.21664	0.001552	0.129673
	0.297278	3.215329	0.001558	0.129755
	0.335357	3.216612	0.001552	0.129673
	-0.48669	-3.21517	0.001559	0.129755
ARRDC4	0.393185	3.216107	0.001554	0.129739
ENSG00000245904	0.329644	3.215391	0.001558	0.129755
ENSG00000250318	-0.21356	-3.21634	0.001553	0.129722
S100P;KIAA0232;SORCS2;CCDC96;AFAP1;ABLM2;PSAPL1;AFAP1-AS1	-0.41084	-3.21577	0.001556	0.129739
	0.443844	3.215735	0.001556	0.129739
TMEM204;HN1L;SOX8	0.48993	3.215455	0.001558	0.129755
CCDC88A;RPL23AP32;PSME4;ENSG00000234943;ERLEC1	0.467406	3.214504	0.001563	0.129938
GNG7;MOB3A;ARID3A;HMHA1	-0.54035	-3.21542	0.001558	0.129755
	0.325222	3.215283	0.001559	0.129755
	0.489779	3.215703	0.001556	0.129739
	-0.30426	-3.21496	0.00156	0.129794
	0.238173	3.215332	0.001558	0.129755
CAP1;ZMPSTE24	0.395803	3.214322	0.001563	0.129988
	0.209191	3.215101	0.00156	0.12976
	0.373627	3.215217	0.001559	0.129755
KCNMA1;ENSG00000236467				

GALE;STPG1;RCAN3 STAB1	-0.40645	-3.21359	0.001567	0.130177
	0.27448	3.214559	0.001562	0.129938
	-0.58629	-3.2136	0.001567	0.130177
	-0.21328	-3.21336	0.001568	0.130193
	0.369535	3.21401	0.001565	0.130073
SPDYA;WDR43 ENSG00000264198;IKZF3	0.373772	3.214269	0.001564	0.129988
	-0.31536	-3.21332	0.001569	0.130193
	0.408838	3.21342	0.001568	0.130193
	0.304433	3.213256	0.001569	0.130193
	0.273059	3.213609	0.001567	0.130177
LST1;AIF1;CFB;HLA-DRA	0.282624	3.213269	0.001569	0.130193
	-0.33868	-3.21198	0.001576	0.13046
	-0.2478	-3.21293	0.001571	0.130282
LRRC56;C11orf35	-0.49682	-3.21301	0.00157	0.130271
	-0.25488	-3.21285	0.001571	0.130291
TIE1;TMEM125;EBNA1BP2;C1orf210;ST3GAL3;PTPRF;LEPRE1;FAM183A;SLC2A1;ELOVL1 ERCC4;ABCC6P2;MPV17L;NOMO1	-0.3698	-3.21139	0.001579	0.13046
	-0.38515	-3.21147	0.001578	0.13046
	-0.20019	-3.21157	0.001578	0.13046
	0.480483	3.212243	0.001574	0.130399
ENSG00000258334;PRPH;KCNH3;LIMA1;TUBA1A;METTL7A;GPD1;SLC11A2;CERS5;TFCP2;DIP2B;FMNL3;TMBIM6;BCDIN3D-AS1;NCKAP5L;ASIC1;SMARCD1	-0.35162	-3.21225	0.001574	0.130399
	0.212853	3.212629	0.001572	0.130331
	0.298646	3.212579	0.001572	0.130331
VSIG2;STT3A;EI24;SIAE;VWA5A FSTL3;OAZ1;ADAMTSL5;MUM1;ATP8B3	0.23154	3.211856	0.001576	0.13046
	0.224288	3.212454	0.001573	0.130359
	0.25469	3.211076	0.00158	0.130479
ATXN10;CERK;NUP50	-0.26856	-3.21263	0.001572	0.130331
	0.443021	3.211566	0.001578	0.13046
	0.340758	3.211345	0.001579	0.13046
	0.245082	3.211288	0.001579	0.13046
	-0.23004	-3.21027	0.001584	0.130614
CHST15	-0.37033	-3.21039	0.001584	0.130612
	0.310172	3.210037	0.001586	0.130642
BRK1;GHRLOS TPPP	0.554337	3.211743	0.001577	0.13046
	0.309022	3.211052	0.00158	0.130479
	-0.51622	-3.21156	0.001578	0.13046
S100A6	0.410964	3.211214	0.00158	0.13046
	0.319326	3.211221	0.001579	0.13046
	0.388028	3.211283	0.001579	0.13046
SELL	0.444988	3.210583	0.001583	0.130606
	0.290659	3.211485	0.001578	0.13046
	0.416078	3.211278	0.001579	0.13046
FGFR2 WDR45B;PCYT2;SECTM1;ENSG00000265136;ENSG00000262652;TBCD;LINC00482;P4HB	0.660757	3.210295	0.001584	0.130614
	-0.42091	-3.2102	0.001585	0.130616

ABCA3;ENSG00000260807;TMEM204;UNKL;SOX8;TRAF7;HN1L				
;CCNF	-0.56342	-3.21074	0.001582	0.130587
EIF1	-0.32103	-3.21058	0.001583	0.130606
	0.281159	3.210519	0.001583	0.130606
MLH3	-0.47622	-3.20993	0.001586	0.130642
	-0.36403	-3.20997	0.001586	0.130642
	0.276788	3.209906	0.001586	0.130642
	-0.41338	-3.21046	0.001583	0.130607
	-0.42183	-3.20927	0.00159	0.130767
	0.289562	3.209569	0.001588	0.130737
	-0.45776	-3.20897	0.001591	0.130767
DDI2;EIF1AXP1	-0.36506	-3.20931	0.001589	0.130767
	0.241087	3.209516	0.001588	0.130737
	-0.42142	-3.20923	0.00159	0.130767
	0.338974	3.208587	0.001593	0.130805
LRCH1	-0.46092	-3.20951	0.001588	0.130737
EPCAM;FBXO11;CALM2;ENSG00000260977	-0.37774	-3.20903	0.001591	0.130767
HNRNPA1P2	0.343134	3.20905	0.001591	0.130767
	-0.37656	-3.20878	0.001592	0.130796
FAM83H-AS1;RHPN1-				
AS1;EEF1D;TOP1MT;ARHGAP39;ZNF34;TONSL	-0.26886	-3.20864	0.001593	0.130805
PDGFA;PSMG3;CYP2W1;ENSG00000249574	-0.35487	-3.20888	0.001592	0.130781
	0.258675	3.209101	0.001591	0.130767
	-0.28996	-3.20718	0.001601	0.131059
C6orf106;SNRPC;HMGA1;PHF1;SLC39A7;BAK1	-0.18866	-3.20796	0.001596	0.130925
SUSD1	-0.43254	-3.20872	0.001592	0.130797
	0.294049	3.20804	0.001596	0.130925
	0.158723	3.208078	0.001596	0.130925
ENSG00000262601;KIAA0513;TLDC1	-0.37419	-3.20807	0.001596	0.130925
ZNF564	0.300113	3.208969	0.001591	0.130767
TTBK2;ZNF106;MGA;EPB42;RPS3AP47;CCNDBP1;LTK;NUSAP1;T				
YRO3	-0.4314	-3.20796	0.001596	0.130925
C1orf158;AGTRAP;MTHFR	-0.40238	-3.20766	0.001598	0.130979
	-0.23692	-3.20727	0.0016	0.131045
	0.337549	3.207655	0.001598	0.130979
	0.306143	3.208053	0.001596	0.130925
	0.196645	3.207368	0.0016	0.131045
	-0.48311	-3.20769	0.001598	0.130979
PCDH12;ARAP3	0.589042	3.206677	0.001603	0.131198
DCAF6;ILDR2;DPT	-0.48917	-3.20731	0.0016	0.131045
	0.314648	3.207339	0.0016	0.131045
	-0.25288	-3.20619	0.001606	0.131312
ALOX5AP;LINC00426	0.399231	3.206685	0.001603	0.131198
	0.435413	3.206064	0.001606	0.131312
	0.367242	3.206079	0.001606	0.131312
PDE6B;FGFR3;RNF212;ENSG00000272927;MFSD7;ENSG00000				
212458;ENSG00000273179;ZNF141	-0.60291	-3.20681	0.001602	0.131189



	-0.34178	-3.20589	0.001607	0.131312
PKNOX2;FAM118B	0.292412	3.206413	0.001605	0.131287
	-0.43755	-3.2058	0.001608	0.131325
PNKD;ENSG00000232485;IGFBP2;MARCH4;ENSG00000236295				
;IGFBP5;ARPC2;TNS1	-0.49618	-3.20561	0.001609	0.131345
CCDC141	0.451642	3.206321	0.001605	0.131301
PTGDS;EGFL7;UAP1L1;LCNL1;TUBB4B;AGPAT2	-0.4355	-3.20603	0.001607	0.131312
	-0.32767	-3.20552	0.001609	0.131345
AP2B1;ZNF830	-0.33554	-3.20508	0.001612	0.131444
	0.400074	3.205677	0.001608	0.131345
FENDRR;KIAA0513	-0.3215	-3.20357	0.00162	0.131759
	0.500874	3.205896	0.001607	0.131312
	-0.41231	-3.20535	0.00161	0.131391
TNXB;SLC44A4;NOTCH4;DDAH2;CLIC1;C6orf10;NELFE	0.265952	3.204489	0.001615	0.131537
TSR1	-0.31172	-3.20591	0.001607	0.131312
	-0.34103	-3.20526	0.001611	0.131406
	-0.29593	-3.20465	0.001614	0.131526
TWIST2;RAB17;TRAF3IP1;MLPH;HES6	0.304879	3.203832	0.001618	0.131688
	0.298857	3.205576	0.001609	0.131345
C20orf166-AS1;OSBPL2	-0.36151	-3.20427	0.001616	0.131537
FAM83G;B9D1;MEIS3P2	0.311056	3.204926	0.001612	0.131474
OSBPL3;ENSG00000214870	0.588844	3.204732	0.001613	0.131526
C15orf26;ZFAND6	-0.43437	-3.20436	0.001615	0.131537
GJC1;GPATCH8;RUNDC1;MPP2	0.196201	3.205056	0.001612	0.131444
	-0.43909	-3.20379	0.001618	0.131688
NRXN2;BATF2	-0.25188	-3.20426	0.001616	0.131537
BRE	-0.25639	-3.20329	0.001621	0.131811
ARID3A;HMHA1;PPAP2C;FSTL3;GPX4;SHC2;MOB3A;MISP	-0.27814	-3.20463	0.001614	0.131526
	-0.30016	-3.20442	0.001615	0.131537
	-0.3928	-3.20278	0.001624	0.131899
	0.46303	3.20447	0.001615	0.131537
	-0.26791	-3.20327	0.001621	0.131811
	-0.33642	-3.20345	0.00162	0.131783
LDB2;FBXL5;C1QTNF7	-0.3709	-3.20182	0.001629	0.132114
FLT4;ADAMTS2	-0.24462	-3.20296	0.001623	0.13187
SIPA1L2	-0.42676	-3.20304	0.001622	0.13187
SYNGR2	-0.31466	-3.20209	0.001627	0.132095
ZHX2;TBC1D31;FER1L6-				
AS1;FER1L6;ENSG00000254000;FBXO32;FER1L6-AS2	-0.31073	-3.20295	0.001623	0.13187
	0.388196	3.20199	0.001628	0.132101
	0.251743	3.202174	0.001627	0.132085
	-0.42057	-3.20139	0.001631	0.132223
	-0.51079	-3.20196	0.001628	0.132101
	-0.50498	-3.20268	0.001624	0.131917
	0.408057	3.201845	0.001629	0.132114
	-0.48328	-3.2029	0.001623	0.13187

	-0.52137	-3.20237	0.001626	0.132024
	0.402657	3.201614	0.00163	0.132171
	0.209104	3.201292	0.001632	0.13224
	-0.30918	-3.20086	0.001634	0.132354
	-0.38054	-3.20057	0.001636	0.132404
	0.188142	3.199851	0.001639	0.132539
	0.285522	3.20038	0.001637	0.132418
	-0.40243	-3.20036	0.001637	0.132418
	0.346556	3.200878	0.001634	0.132354
	-0.27166	-3.20016	0.001638	0.132429
	-0.27348	-3.20157	0.00163	0.132171
	0.470015	3.200911	0.001634	0.132354
	0.359485	3.199782	0.00164	0.132544
	-0.42974	-3.20055	0.001636	0.132404
NUAK1	0.331479	3.200526	0.001636	0.132404
	-0.39695	-3.20028	0.001637	0.132423
	0.391689	3.199572	0.001641	0.13255
TRPC1	-0.43033	-3.19888	0.001645	0.132575
IGFBP4;MED24;PLXDC1;MIEN1;ERBB2;PSMB3;PCGF2;RARA;LAS P1	-0.43187	-3.19829	0.001648	0.132671
	0.391543	3.200233	0.001637	0.132423
	-0.38942	-3.20051	0.001636	0.132404
BUD31	-0.38555	-3.19919	0.001643	0.132575
	0.298648	3.199536	0.001641	0.13255
	-0.38607	-3.19818	0.001648	0.132671
	-0.36974	-3.19778	0.001651	0.132707
P2RX1;ASPA;ITGAE;P2RX5;ARRB2	-0.2984	-3.1997	0.00164	0.132547
	0.321765	3.199308	0.001642	0.132575
	0.370449	3.199658	0.00164	0.132547
	-0.3174	-3.19906	0.001644	0.132575
	-0.22918	-3.19944	0.001642	0.132568
C11orf49;NDUFS3;KBTBD4;SLC39A13;MTCH2;CELF1	-0.42181	-3.19919	0.001643	0.132575
	0.459842	3.198388	0.001647	0.132671
ADARB2	0.324845	3.199133	0.001643	0.132575
	0.319354	3.198087	0.001649	0.132678
	0.209189	3.198868	0.001645	0.132575
ENSG00000215895	-0.32734	-3.19917	0.001643	0.132575
TTC40;KNDC1;LRRC27;TUBGCP2;PWWP2B;INPP5A;STK32C;BNIP3	-0.22297	-3.19816	0.001649	0.132671
	-0.35684	-3.19893	0.001644	0.132575
LRRC59	-0.34792	-3.19884	0.001645	0.132575
	-0.28295	-3.1982	0.001648	0.132671
	-0.25866	-3.19761	0.001651	0.132707
EPCAM;ENSG00000260977;CALM2;MSH2	-0.46973	-3.19859	0.001646	0.132662
	0.384082	3.198284	0.001648	0.132671
LARP6;THAP10;GLCE;LRRC49	-0.39947	-3.1979	0.00165	0.132707
PYHIN1;AIM2;LY9;SLAMF1;CD84;FCRL6;SLAMF6;CD244	-0.23871	-3.19756	0.001652	0.132707

	-0.36853	-3.19756	0.001652	0.132707
	-0.55414	-3.19745	0.001652	0.132707
	-0.29892	-3.1983	0.001648	0.132671
RALGAPA2	-0.40826	-3.19801	0.001649	0.132687
	-0.24456	-3.19686	0.001656	0.132836
	-0.33656	-3.19751	0.001652	0.132707
TOMM40	-0.3156	-3.19761	0.001651	0.132707
KDM1A	-0.37225	-3.1969	0.001655	0.132836
PIK3CD	-0.38445	-3.19712	0.001654	0.132825
	0.317325	3.197015	0.001655	0.132825
	0.399201	3.197478	0.001652	0.132707
	0.282054	3.197002	0.001655	0.132825
ZNF423;NKD1;ENSG00000260029;ENSG00000205414	-0.3566	-3.19622	0.001659	0.132991
	-0.29446	-3.1967	0.001656	0.132882
	-0.31345	-3.19647	0.001658	0.132931
	-0.39443	-3.19588	0.001661	0.13306
KDM1B;RBM24;STMND1;CAP2;GMPPR;FAM8A1	-0.41752	-3.1956	0.001662	0.13306
WDR45B;NOTUM;PCYT2;LRRC45;TMEM105;NARF	-0.40041	-3.19561	0.001662	0.13306
	0.352177	3.195823	0.001661	0.13306
	-0.39996	-3.19623	0.001659	0.132991
	0.417034	3.196481	0.001658	0.132931
NUAK2;PLEKHA6;PIK3C2B;CNTN2;CDK18;MDM4	0.443403	3.195261	0.001664	0.133111
	0.361806	3.195871	0.001661	0.13306
CRTC3;MFGE8;KIF7;CIB1;WDR93;PEX11A	-0.23094	-3.19443	0.001669	0.133219
SCAMP2;COX5A	-0.33882	-3.19487	0.001666	0.133202
	-0.38406	-3.19525	0.001664	0.133111
	-0.46398	-3.19525	0.001664	0.133111
GTPBP4	-0.4332	-3.1957	0.001662	0.13306
	0.460131	3.195601	0.001662	0.13306
HOXD-AS1;ENSG00000230552;HOXD3	-0.28632	-3.19445	0.001669	0.133219
	0.384572	3.195327	0.001664	0.133111
	0.266837	3.19463	0.001668	0.133219
	-0.34217	-3.19572	0.001662	0.13306
	0.301156	3.195177	0.001665	0.133119
	0.403369	3.19431	0.001669	0.133247
	-0.55231	-3.19502	0.001666	0.133161
MCM5;APOL2;APOL3;MB;APOL1;HMOX1	-0.33931	-3.19452	0.001668	0.133219
PPOX;CCDC19;PCP4L1;USP21;KLHDC9	-0.30606	-3.19452	0.001668	0.133219
	0.285708	3.194672	0.001667	0.133219
	-0.25767	-3.19448	0.001668	0.133219
	0.339449	3.193568	0.001673	0.133521
RBMS2;LRP1;NAB2;ARHGEF25;MARS	0.233144	3.193609	0.001673	0.133521
CEP89;DPY19L3;RHPN2;KCTD15;ENSG00000266930	-0.43087	-3.19294	0.001677	0.133689
CAV2	-0.54919	-3.19319	0.001676	0.133663
	-0.34855	-3.19227	0.001681	0.13384
GIT2;PPTC7	-0.30688	-3.19224	0.001681	0.13384
	-0.60515	-3.19307	0.001676	0.133668

	0.151302	3.192015	0.001682	0.133846
	0.283385	3.19221	0.001681	0.13384
	-0.33334	-3.19306	0.001676	0.133668
	-0.32092	-3.1929	0.001677	0.133689
	0.449583	3.192309	0.00168	0.13384
	0.162713	3.19271	0.001678	0.133746
	0.41667	3.192308	0.00168	0.13384
PAXBP1-AS1	-0.27627	-3.19205	0.001682	0.133846
	-0.30887	-3.19193	0.001682	0.133846
MRPS15;AGO3	-0.41909	-3.19191	0.001683	0.133846
USP44;FGD6;NR2C1	-0.42633	-3.19101	0.001687	0.134165
NBEA;SMAD9;DCLK1	0.556964	3.191744	0.001683	0.133894
	0.33417	3.190528	0.00169	0.134276
	-0.35891	-3.19089	0.001688	0.134194
	0.346192	3.192068	0.001682	0.133846
	0.239588	3.191586	0.001684	0.133938
ENSG00000206113	-0.40034	-3.18996	0.001693	0.134347
	0.200338	3.190752	0.001689	0.134228
	0.329597	3.190285	0.001691	0.134325
	0.622282	3.189618	0.001695	0.134388
	-0.27026	-3.19054	0.00169	0.134276
	0.179214	3.190058	0.001693	0.134347
	0.251315	3.189864	0.001694	0.134347
	-0.25502	-3.18953	0.001696	0.134388
	-0.42922	-3.19025	0.001692	0.134325
TNS1;CXCR2;CTDSP1;WNT6	-0.51082	-3.19	0.001693	0.134347
	-0.54202	-3.18967	0.001695	0.134388
	-0.31108	-3.18943	0.001696	0.134388
	0.37524	3.18994	0.001693	0.134347
	0.386098	3.189421	0.001696	0.134388
	0.360301	3.189856	0.001694	0.134347
	-0.24147	-3.19031	0.001691	0.134325
	-0.41901	-3.18901	0.001698	0.134449
	-0.26384	-3.18864	0.001701	0.134539
GTF3C2;PPM1G	0.275332	3.188623	0.001701	0.134539
RCSD1;TBX19;CD247	-0.52416	-3.18912	0.001698	0.134449
ENSG00000224049;TPRG1;ENSG00000213132;MASP1	-0.44341	-3.18663	0.001712	0.134798
RSPH3;SYTL3;EZR;DYNLT1;C6orf99;ZDHHC14;ENSG0000021307				
6;FNDC1	-0.71967	-3.18953	0.001696	0.134388
ENSG00000251603;FAM160A1	-0.34176	-3.18785	0.001705	0.134659
IL10RA;TMPRSS4;PHLDB1;KMT2A	0.32392	3.189115	0.001698	0.134449
PSME4;CCDC88A	-0.51987	-3.189	0.001699	0.134449
RPGRIP1L;CRNDE;IRX3;FTO;FTO-				
IT1;ENSG00000260194;IRX5;RBL2	-0.451	-3.18737	0.001708	0.134727
	0.390479	3.188062	0.001704	0.134647
ZNF808	-0.296	-3.18846	0.001702	0.134587
	0.417647	3.188677	0.0017	0.134539

CLEC14A	0.42884	3.189056	0.001698	0.134449
FGFR4;TMED9	-0.35919	-3.1882	0.001703	0.134625
	-0.30315	-3.18778	0.001705	0.134659
ENSG00000261716;CTSK;PLEKHO1;C1orf54	0.251755	3.187128	0.001709	0.134797
	0.357607	3.188336	0.001702	0.13459
	0.240185	3.187789	0.001705	0.134659
	0.322881	3.188035	0.001704	0.134647
	0.393441	3.187575	0.001706	0.1347
	0.485255	3.188355	0.001702	0.13459
P4HA1;CHST3;TTC18;SLC29A3;MRPS16;ANAPC16	-0.25904	-3.18668	0.001711	0.134798
ZNF618;ATP6V1G1;BSPRY;COL27A1	-0.30259	-3.18764	0.001706	0.134698
ARID3A;HMHA1;GPX4;PPAP2C;REEP6	-0.31872	-3.18785	0.001705	0.134659
TPRG1;ENSG00000224049;TP63	-0.35422	-3.18663	0.001712	0.134798
	0.336589	3.187504	0.001707	0.134706
	0.23399	3.186988	0.00171	0.134798
	0.347999	3.186334	0.001713	0.134798
	0.272797	3.187343	0.001708	0.134727
	-0.34989	-3.18662	0.001712	0.134798
	0.533743	3.185319	0.001719	0.134996
	0.279081	3.186553	0.001712	0.134798
GNG7;OAZ1;GPX4;ADAMTSL5;R3HDM4	-0.34763	-3.18623	0.001714	0.134821
GRIN2A	-0.24888	-3.18675	0.001711	0.134798
	0.327831	3.18635	0.001713	0.134798
	0.264574	3.185933	0.001716	0.134883
	-0.36799	-3.18702	0.00171	0.134798
PFKP;KLF6	-0.55757	-3.18676	0.001711	0.134798
SMO;AHCYL2;HILPDA;UBE2H;IRF5;KLHDC10;FLNC;CCDC136	-0.57902	-3.18662	0.001712	0.134798
ZNF19;ENSG00000262890;ENSG00000259833;HYDIN;ENSG00000260156;CHST4;ENSG00000259798;MTSS1L;ENSG00000247324;IL34;PMFBP1;ENSG00000260015	-0.40557	-3.18586	0.001716	0.134883
	0.422077	3.185885	0.001716	0.134883
	0.285525	3.186362	0.001713	0.134798
	-0.2746	-3.18472	0.001722	0.135161
	-0.43497	-3.18556	0.001718	0.134967
CARD8;FUT2;PRRG2;PLA2G4C;TEAD2;CYTH2;SEPW1	-0.40725	-3.18615	0.001714	0.134829
TMCC2	-0.35616	-3.18635	0.001713	0.134798
ADAMTSL2;SARDH;GBGT1;MED22;SURF2	-0.50949	-3.18572	0.001717	0.134921
LAMA4;ENSG00000237234;ENSG00000271208;ENSG00000226440;SLC16A10;ENSG00000270661;ENSG00000255389;FYN	-0.49284	-3.18525	0.001719	0.135002
ITGB7	-0.22369	-3.18482	0.001722	0.135143
	-0.39073	-3.18532	0.001719	0.134996
	0.403161	3.185124	0.00172	0.135033
PTCH1;ENSG00000271314	-0.44585	-3.18416	0.001726	0.135326
	0.386286	3.185332	0.001719	0.134996
	0.41208	3.18442	0.001724	0.135269

	-0.14109	-3.18338	0.00173	0.135481
	-0.26403	-3.18362	0.001729	0.135422
	-0.21504	-3.18257	0.001735	0.135561
	0.371367	3.183949	0.001727	0.135352
PITPNM1;GSTP1;CST6;CD248;SF3B2;CCS;BANF1;ALDH3B2;FIBP; CDK2AP2;CCDC87;YIF1A;EFEMP2;CTSF;TBC1D10C;RBM14;PELI 3	-0.4418	-3.18298	0.001732	0.13553
MRGPRF;ALDH3B2;UNC93B1;CDK2AP2;GSTP1	-0.29943	-3.18343	0.00173	0.135481
	-0.34023	-3.18412	0.001726	0.135326
	-0.49885	-3.18401	0.001726	0.135352
CTTN	-0.43295	-3.18314	0.001731	0.135513
	0.298287	3.182245	0.001736	0.135583
	0.281603	3.183079	0.001732	0.135513
PDCD6;TPPP;LPCAT1;TRIP13;NKD2;AHRR;SDHA	-0.48233	-3.18365	0.001728	0.135422
NAP1L4;CARS;TSSC2;ENSG00000255367	-0.37467	-3.18412	0.001726	0.135326
CSMD1	0.363416	3.183132	0.001731	0.135513
	-0.50961	-3.18262	0.001734	0.135561
	0.416473	3.183668	0.001728	0.135422
	0.324229	3.182805	0.001733	0.135558
PSMG3;GPR146;CHST12;GPER1;ENSG00000176349	-0.45763	-3.18321	0.001731	0.135513
ICOSLG	-0.27143	-3.18264	0.001734	0.135561
	0.139933	3.18275	0.001734	0.135558
	-0.39341	-3.18287	0.001733	0.135556
	0.230162	3.182519	0.001735	0.135561
SEMA7A	-0.28239	-3.18244	0.001735	0.135567
	-0.26419	-3.18239	0.001736	0.135567
	0.304065	3.181983	0.001738	0.135565
	0.239787	3.180847	0.001744	0.135924
	0.383572	3.181293	0.001742	0.135924
	0.350115	3.182031	0.001738	0.135565
	0.258207	3.181235	0.001742	0.135924
	0.275573	3.180885	0.001744	0.135924
PARS2;TMEM59;TCEANC2	0.371475	3.180782	0.001745	0.135924
	-0.42195	-3.18229	0.001736	0.135583
	-0.29948	-3.18119	0.001742	0.135924
	0.376836	3.180951	0.001744	0.135924
ACAP1;CLEC10A	0.236067	3.180607	0.001746	0.135924
	0.219871	3.180841	0.001744	0.135924
MFSD4;NUAK2;RAB7L1;RNU6-418P	-0.35746	-3.1794	0.001753	0.136224
	-0.41447	-3.18029	0.001748	0.136004
	0.332388	3.180587	0.001746	0.135924
	-0.25679	-3.18056	0.001746	0.135924
ANTXRPL1	0.240401	3.179911	0.00175	0.136096
	0.258503	3.181017	0.001743	0.135924
	-0.27682	-3.18003	0.001749	0.136067
	-0.21177	-3.18052	0.001746	0.135924
EHBP1;B3GNT2	-0.36927	-3.17939	0.001753	0.136224

SKA3	0.299587	3.179347	0.001753	0.136224
	0.645213	3.177218	0.001765	0.136796
	0.418536	3.179341	0.001753	0.136224
	0.416243	3.180655	0.001745	0.135924
	-0.51825	-3.18058	0.001746	0.135924
C6orf132;TRERF1;MED20	-0.43991	-3.17977	0.00175	0.136135
	-0.36507	-3.18013	0.001748	0.136048
	-0.30121	-3.17813	0.00176	0.136571
	0.313054	3.179054	0.001755	0.136327
	0.322241	3.178035	0.00176	0.136571
EIF5;BAG5	-0.25354	-3.17878	0.001756	0.136379
	0.392063	3.17877	0.001756	0.136379
	-0.41113	-3.17886	0.001756	0.136379
MAPK11;MAPK12;ENSG00000213279;C22orf34;CRELD2	0.366374	3.178003	0.001761	0.136571
PKNOX2;FEZ1;ENSG00000272981;DCPS	0.343781	3.178658	0.001757	0.136404
HAAO	0.402115	3.178421	0.001758	0.136484
ENSG00000214784	0.342821	3.177773	0.001762	0.136648
SCARF1	-0.33039	-3.17724	0.001765	0.136796
PIGV;HMGN2;NUDC;UBXN11;ZDHHC18	-0.34077	-3.17749	0.001763	0.136723
SLFN13;ENSG00000266947;GAS2L2;ENSG00000267566;ENSGO0000266956;LIG3;MMP28;RASL10B;RAD51D;ENSG00000224113;MYO19;NLE1	-0.42743	-3.17569	0.001774	0.137075
ENOPH1	0.315673	3.178058	0.00176	0.136571
	0.228036	3.177681	0.001762	0.136664
	-0.52427	-3.1767	0.001768	0.136912
	-0.39773	-3.17708	0.001766	0.136832
	0.411009	3.176798	0.001767	0.136908
CPXM2;LHPP;CTBP2	0.293026	3.17645	0.001769	0.136915
	0.397122	3.176277	0.00177	0.136916
	0.321439	3.176225	0.001771	0.136916
	0.526652	3.176851	0.001767	0.136908
	-0.29269	-3.17633	0.00177	0.136916
GNG7;TCF3;MBD3;GAMT;SF3A2	-0.25293	-3.17648	0.001769	0.136915
	-0.46789	-3.17662	0.001768	0.136912
	-0.41119	-3.17477	0.001779	0.137235
	0.304047	3.175413	0.001775	0.137075
	-0.30831	-3.1765	0.001769	0.136915
ARL4C;AGAP1-IT1	0.499301	3.176646	0.001768	0.136912
	0.3806	3.175491	0.001775	0.137075
	0.366286	3.175647	0.001774	0.137075
	-0.52876	-3.17634	0.00177	0.136916
	-0.48883	-3.17575	0.001773	0.137075
GLIS2;CDIP1;SRL;GLYR1;CORO7;SMIM22;ALG1;CLUAP1;ENSGO0000262686	-0.32957	-3.17508	0.001777	0.137152
RAB7L1;ENSG00000240710;LRRN2	-0.48798	-3.17486	0.001779	0.137226
BAI1;FAM83H-AS1				
PARVB;BIK;MCAT;TTLL12;NFAM1				

FKBP10;ATP6V0A1;STAT5B;MLX;KRT23;KRT20;COASY;KRT42P;P TRF;KRT12;TMEM99;TTC25;ACLY;STAT5A;KRT10;GHDC	0.361488	3.175496	0.001775	0.137075
	0.280496	3.175117	0.001777	0.137152
ALDH1A3	-0.29833	-3.17537	0.001776	0.137075
LRRC59;ABI3	0.250761	3.175627	0.001774	0.137075
S100P;KIAA0232	0.270772	3.174661	0.00178	0.137242
	0.331156	3.174733	0.001779	0.137235
	0.298334	3.175398	0.001776	0.137075
	-0.33894	-3.17284	0.00179	0.137414
	0.352304	3.173812	0.001785	0.13732
	0.435992	3.174496	0.001781	0.137291
SPON1;COPB1;FAR1	-0.1975	-3.17426	0.001782	0.13732
	-0.34063	-3.17406	0.001783	0.13732
	0.352476	3.17394	0.001784	0.13732
	0.318099	3.173989	0.001784	0.13732
	0.309429	3.172959	0.00179	0.137414
ITSN2	-0.33915	-3.17393	0.001784	0.13732
HOXB4;CALCOCO2;MIR10A;ABI3;HOXB3;HOXB- AS2;PRR15L;HOXB6;HOXB-AS3;TBKBP1;GNGT2 GPR132;NUDT14	-0.33349	-3.17389	0.001784	0.13732
	0.303321	3.174051	0.001783	0.13732
	0.329074	3.173803	0.001785	0.13732
CPSF3;ENSG00000236008	-0.40797	-3.17278	0.001791	0.137414
	0.332611	3.173493	0.001787	0.137327
	-0.23761	-3.17364	0.001786	0.137327
ENSG00000267439;ZNF569	-0.38839	-3.17327	0.001788	0.137363
	-0.49958	-3.17398	0.001784	0.13732
	-0.52904	-3.17354	0.001786	0.137327
	-0.4606	-3.17391	0.001784	0.13732
	0.327688	3.173473	0.001787	0.137327
	0.393297	3.173765	0.001785	0.13732
	0.429387	3.172325	0.001793	0.137415
ENSG00000223745	-0.23131	-3.17328	0.001788	0.137363
EXOSC2	-0.33838	-3.17218	0.001794	0.137415
C9orf139;LCNL1	-0.32972	-3.17323	0.001788	0.137363
FLI1;ARHGAP32;ETS1;TMEM45B	0.395172	3.172183	0.001794	0.137415
	-0.23145	-3.17219	0.001794	0.137415
ENSG00000251537	-0.34331	-3.17266	0.001791	0.137414
ARHGAP9;METTL1;ENSG00000224713	0.154714	3.171296	0.001799	0.137634
	0.2637	3.172527	0.001792	0.137415
	-0.34734	-3.17277	0.001791	0.137414
	0.457493	3.17349	0.001787	0.137327
	0.270273	3.17295	0.00179	0.137414
HCK;C20orf112	-0.29121	-3.17221	0.001794	0.137415
	0.23954	3.172377	0.001793	0.137415
TMPRSS2;SLC37A1;RIPK4	-0.34795	-3.17103	0.001801	0.137727
	0.316683	3.17283	0.00179	0.137414



SHANK2	0.29205	3.170947	0.001801	0.137741
ENSG00000224570;ENSG00000226891;SGIP1;MIR101-1;WDR78;TCTEX1D1;LEPR	-0.42449	-3.17262	0.001792	0.137414
LAMA2	-0.46599	-3.17174	0.001797	0.137534
	0.3141	3.172708	0.001791	0.137414
	0.41043	3.172102	0.001795	0.137421
	-0.19251	-3.17217	0.001794	0.137415
	0.277076	3.170617	0.001803	0.13779
	-0.34072	-3.17156	0.001798	0.137565
	0.299497	3.171568	0.001798	0.137565
	-0.23844	-3.17078	0.001802	0.137765
SCARNA10	-0.27514	-3.17086	0.001802	0.137754
TMC4;CACNG6	-0.33919	-3.17199	0.001795	0.137448
	0.311458	3.171474	0.001798	0.137579
	-0.28446	-3.17047	0.001804	0.137833
MZB1;ECSCR;TMEM173	-0.48577	-3.16932	0.001811	0.137973
	0.300917	3.17011	0.001806	0.137943
	0.263572	3.16964	0.001809	0.137973
	0.270705	3.16988	0.001808	0.137973
	0.365799	3.169343	0.001811	0.137973
ADCK4;AXL;LTBP4;B9D2;TGFB1;CYP2G2P;EXOSC5;CYP2S1;CYP2F1;ATP5SL;ITPKC;ZNF546	-0.36941	-3.17068	0.001803	0.137788
CCDC173;BBS5;ENSG00000226072;LRP2	-0.38545	-3.16979	0.001808	0.137973
	0.440503	3.170162	0.001806	0.137943
	-0.22977	-3.16974	0.001808	0.137973
TNRC6C-AS1	0.327663	3.169478	0.00181	0.137973
	-0.27008	-3.16927	0.001811	0.137973
	0.340261	3.169631	0.001809	0.137973
	0.350766	3.169293	0.001811	0.137973
CDIP1	-0.50408	-3.16978	0.001808	0.137973
	0.32281	3.169698	0.001809	0.137973
	0.164952	3.169243	0.001811	0.137973
EHF;CAPRIN1;ELF5	-0.41214	-3.1693	0.001811	0.137973
CLDN7	0.34812	3.169178	0.001812	0.137973
	0.260861	3.169165	0.001812	0.137973
	0.230974	3.168594	0.001815	0.138106
PPIF	-0.26806	-3.16873	0.001814	0.138093
	0.334773	3.16768	0.001821	0.138233
	0.398774	3.16767	0.001821	0.138233
	-0.32748	-3.16827	0.001817	0.138223
	0.282861	3.168051	0.001818	0.138233
PCBP1-AS1;DYSF;SNRPG	-0.30895	-3.16874	0.001814	0.138093
PEX6	-0.47346	-3.16866	0.001815	0.138101
PCSK2	0.301196	3.167997	0.001819	0.138233
MIR4664;FAM83H-AS1;BAI1;FAM83H	0.421237	3.168223	0.001817	0.138223
	-0.208	-3.16893	0.001813	0.138055
	-0.50912	-3.16782	0.00182	0.138233

FNIP2;RAPGEF2 ESRP2	-0.28671	-3.16622	0.001829	0.138555
	0.190405	3.167653	0.001821	0.138233
	0.17865	3.167267	0.001823	0.138357
	-0.30015	-3.1669	0.001825	0.138395
	0.501824	3.167835	0.00182	0.138233
	0.302524	3.167875	0.001819	0.138233
	0.38589	3.167444	0.001822	0.138302
	0.368298	3.167983	0.001819	0.138233
	-0.52455	-3.16614	0.00183	0.138555
	-0.59282	-3.16768	0.001821	0.138233
LST1	-0.54581	-3.16686	0.001826	0.138395
	0.260518	3.166696	0.001826	0.138435
	-0.24657	-3.16697	0.001825	0.138395
	-0.32778	-3.1669	0.001825	0.138395
	-0.30111	-3.16711	0.001824	0.138377
PTGDS;LCNL1	-0.36793	-3.16713	0.001824	0.138377
	-0.45723	-3.16561	0.001833	0.138557
	0.352817	3.166052	0.00183	0.138557
	0.326229	3.166656	0.001827	0.138435
	-0.2403	-3.16557	0.001833	0.138557
TAOK3;KSR2 ASPA;TRPV3	0.491563	3.165688	0.001832	0.138557
	-0.30747	-3.16646	0.001828	0.1385
	-0.30582	-3.16516	0.001836	0.138577
	-0.38485	-3.1657	0.001832	0.138557
CLSTN3;CD163L1;CD27;C1R;C1S;IFFO1;RBP5;SCNN1A	0.388642	3.165909	0.001831	0.138557
	0.414706	3.166117	0.00183	0.138555
ZNF607;SPINT2;PPP1R14A;MAP4K1;ENSG00000266916;FBXO1 7;PSMD8	-0.3826	-3.16567	0.001833	0.138557
	0.437519	3.16614	0.00183	0.138555
	0.2347	3.165332	0.001835	0.138577
	-0.50138	-3.16533	0.001835	0.138577
	-0.2242	-3.16476	0.001838	0.138648
	-0.3528	-3.16392	0.001843	0.138842
	-0.49119	-3.16577	0.001832	0.138557
SH3BP2;ENSG00000248399;ENSG00000206113;RNF212;ENSG 00000249428	-0.29545	-3.16488	0.001837	0.138622
	-0.32591	-3.16561	0.001833	0.138557
	-0.32899	-3.16527	0.001835	0.138577
SEMA5A;ENSG00000251370;MARCH6	-0.30088	-3.16599	0.001831	0.138557
	-0.27622	-3.16516	0.001836	0.138577
ZNF462	0.427501	3.165439	0.001834	0.138577
	0.354201	3.164335	0.00184	0.138792
	-0.37541	-3.16467	0.001839	0.138667
KCNMB1 CYP2W1	-0.28468	-3.16492	0.001837	0.138622
	-0.42488	-3.16514	0.001836	0.138577
	-0.4249	-3.16399	0.001843	0.138842
STPG1;RCAN3;IL22RA1;ID3	-0.33782	-3.16337	0.001846	0.139005

CALM2;EPCAM	0.240858	3.164916	0.001837	0.138622
	-0.41607	-3.16427	0.001841	0.138798
	-0.34397	-3.16417	0.001841	0.138819
	-0.29228	-3.1641	0.001842	0.138823
	0.280086	3.163155	0.001848	0.13904
DDX18P5;ENSG00000272412	0.303731	3.163625	0.001845	0.138941
	0.356506	3.162469	0.001852	0.139242
	0.276075	3.162876	0.001849	0.139107
	-0.35638	-3.16226	0.001853	0.139294
	-0.30462	-3.1639	0.001843	0.138842
DBI TUBGCP3;F10	-0.34975	-3.16338	0.001846	0.139005
	-0.56108	-3.16328	0.001847	0.139023
	0.391856	3.163133	0.001848	0.13904
	0.257426	3.16187	0.001855	0.139314
	0.351057	3.162065	0.001854	0.139294
ADAMTS2;COL23A1;DBN1;ZNF354C;PDLIM7;PRR7;RMND5B PPP4R1	-0.49524	-3.16293	0.001849	0.139107
	-0.32631	-3.16202	0.001854	0.139294
	-0.26477	-3.1621	0.001854	0.139294
	0.366027	3.161118	0.00186	0.139534
	-0.4952	-3.1627	0.00185	0.139162
VDAC1	-0.23944	-3.16182	0.001856	0.139314
	0.437248	3.161276	0.001859	0.139487
	0.22714	3.161973	0.001855	0.139294
	0.562123	3.162069	0.001854	0.139294
	0.260208	3.162245	0.001853	0.139294
CIR1;WIPF1;CHN1	-0.27995	-3.1606	0.001863	0.139568
	0.416574	3.161762	0.001856	0.139316
	-0.36236	-3.16042	0.001864	0.139568
	-0.44907	-3.16017	0.001866	0.139619
	-0.39313	-3.16057	0.001863	0.139568
ENSG00000235858	0.188395	3.160462	0.001864	0.139568
	0.33703	3.161332	0.001859	0.139486
	0.287119	3.160262	0.001865	0.139603
	-0.31991	-3.16091	0.001861	0.139568
	-0.30854	-3.16067	0.001863	0.139568
HLA-K;HCG4P7;HLA-H TBC1D10C;YIF1A;GSTP1	0.239346	3.160593	0.001863	0.139568
	0.384489	3.16046	0.001864	0.139568
	-0.44674	-3.15954	0.001869	0.139789
	0.286831	3.160398	0.001864	0.139568
	-0.28309	-3.16058	0.001863	0.139568
GPR132;KIAA0125;IGHG1;PLD4	0.319736	3.160393	0.001864	0.139568
	-0.17836	-3.15877	0.001874	0.139911
	0.173174	3.158713	0.001874	0.139911
UAP1;C1orf110;ENSG00000230739;C1orf192;C1orf226;SDHC FZD4;SYTL2	-0.4449	-3.15964	0.001869	0.139789
	0.349716	3.160488	0.001864	0.139568

	-0.2747	-3.15922	0.001871	0.139816
TNKS	0.259748	3.159942	0.001867	0.139699
EDAR	0.56684	3.159055	0.001872	0.139856
	-0.21354	-3.1595	0.00187	0.139789
ENSG00000260604;FARS2;ECI2	-0.46584	-3.15945	0.00187	0.139789
	0.392525	3.159419	0.00187	0.139789
	0.414575	3.158888	0.001873	0.139883
ENSG00000235505;CASP12	0.376207	3.159447	0.00187	0.139789
	-0.57468	-3.15857	0.001875	0.139913
	0.169554	3.157111	0.001884	0.140225
	-0.23056	-3.15818	0.001878	0.139995
HTRA3	0.316932	3.159197	0.001871	0.139816
	-0.34269	-3.15926	0.001871	0.139816
	0.27466	3.158022	0.001879	0.140031
	-0.36579	-3.15866	0.001875	0.139911
	0.515792	3.157831	0.00188	0.140045
	-0.38932	-3.15855	0.001875	0.139913
	0.39277	3.158376	0.001876	0.139944
RAMP3;CCM2;NACAD;ADCY1;IGFBP3	-0.27052	-3.15679	0.001886	0.140273
	0.223846	3.158156	0.001878	0.139995
MEGF6	-0.43373	-3.15893	0.001873	0.139883
	-0.26058	-3.15762	0.001881	0.140074
SLC9A3;ENSG00000188242;CEP72	0.509649	3.158409	0.001876	0.139944
	-0.28729	-3.15761	0.001881	0.140074
	-0.27916	-3.15763	0.001881	0.140074
	0.377098	3.157898	0.001879	0.140038
	0.224752	3.15684	0.001886	0.140273
ENSG00000223991;ENSG00000233392	0.20018	3.157273	0.001883	0.140176
HRH1	-0.37014	-3.15608	0.00189	0.140303
	0.392502	3.156511	0.001888	0.140284
ENTPD1	0.225504	3.156229	0.001889	0.140284
	0.311143	3.15699	0.001885	0.140256
ZNF423;NKD1;ENSG00000261685;ENSG00000205414;ENSG0000260029	0.331116	3.156413	0.001888	0.140284
C22orf34;MAPK12;ENSG00000235111;ENSG00000213279;MAPK11;SHANK3	-0.32046	-3.15624	0.001889	0.140284
	0.47221	3.157921	0.001879	0.140038
	-0.37301	-3.15751	0.001882	0.140093
	0.370167	3.155775	0.001892	0.140367
	-0.4387	-3.15651	0.001888	0.140284
	0.54545	3.156518	0.001888	0.140284
LTB;C4A;TAP2;GPSM3	-0.40309	-3.1569	0.001885	0.140271
UBE2Q2P1;AGBL1	-0.4128	-3.15522	0.001896	0.140472
	0.293001	3.155725	0.001893	0.140367
FMO5;CHD1L	0.342535	3.15628	0.001889	0.140284
	0.34043	3.156352	0.001889	0.140284
	0.303375	3.156132	0.00189	0.140303

RNF141;EIF4G2;MRV11	-0.30449	-3.15654	0.001888	0.140284
	1.204758	3.156378	0.001889	0.140284
	0.418999	3.155695	0.001893	0.140367
	0.252407	3.154912	0.001898	0.140539
	-0.29303	-3.1558	0.001892	0.140367
JHDM1D-AS1;DENND2A	0.365495	3.153843	0.001904	0.140661
	-0.29937	-3.15435	0.001901	0.140561
	0.259503	3.155394	0.001895	0.140444
	-0.25111	-3.15523	0.001896	0.140472
	0.622988	3.154787	0.001898	0.140539
	0.297732	3.155657	0.001893	0.140367
	0.388533	3.154659	0.001899	0.140554
	0.239996	3.154328	0.001901	0.140561
IBA57;WNT9A;ENSG00000270110;GJC2;CCSAP;OBSCN;ENSG0000269890	-0.26552	-3.15508	0.001897	0.140513
	0.269162	3.154497	0.0019	0.14056
HN1L;TMEM204;UNKL;IL32;CACNA1H;ENSG00000260051;PAQR4;ABCA3;ENSG00000205890;PDPK1;TPSD1;CCDC64B;IFT140;ENSG00000262370;PRSS22;HAGH;HCFC1R1	-0.43003	-3.15476	0.001899	0.140539
SRP14-AS1;MGA;NUSAP1;BUB1B;CASC5	-0.40682	-3.15455	0.0019	0.14056
	0.343027	3.155616	0.001893	0.140367
WDR63;DDAH1;LPAR3;MIR4423;CTBS;C1orf52;MCOLN3;ENSG00000233008;GNG5;TTLL7	-0.33475	-3.15317	0.001908	0.14073
PLEKHG2;FBXO17	-0.32453	-3.15486	0.001898	0.140539
SLC39A3	-0.39075	-3.15481	0.001898	0.140539
TNXB;NOTCH4;SLC44A4;GPSM3;DDR1	-0.27913	-3.15428	0.001901	0.140561
	-0.55712	-3.15263	0.001912	0.140756
IFI27	-0.50689	-3.15379	0.001904	0.140661
	0.273798	3.154618	0.001899	0.140554
FGFR2	0.526268	3.153163	0.001908	0.14073
	0.301142	3.153979	0.001903	0.14065
	0.353783	3.15374	0.001905	0.140661
	0.240386	3.153249	0.001908	0.14073
TG	-0.30922	-3.15431	0.001901	0.140561
	-0.28735	-3.15408	0.001903	0.140626
SPEF2;TTC23L;ENSG00000248969;ENSG00000272323;RPL21P54;SLC45A2;DNAJC21	-0.40952	-3.153	0.001909	0.140739
	-0.21058	-3.15277	0.001911	0.140739
TTN	-0.30228	-3.15288	0.00191	0.140739
	-0.37431	-3.15205	0.001915	0.140822
	0.292798	3.152506	0.001912	0.140762
	0.328084	3.153438	0.001907	0.14073
	-0.32043	-3.15363	0.001905	0.140686
SARDH;SLC2A6;GBGT1;GTF3C5	-0.32715	-3.15299	0.001909	0.140739
	0.313124	3.152935	0.00191	0.140739
EXOC7	0.322339	3.153874	0.001904	0.140661
MZB1	0.286378	3.15319	0.001908	0.14073

P4HTM;RASSF1;DALRD3	-0.30211	-3.15278	0.001911	0.140739
ELN;WBSCR22;CLIP2;ABHD11	0.483693	3.153319	0.001907	0.14073
	-0.41874	-3.15218	0.001914	0.140822
	-0.34739	-3.15257	0.001912	0.140756
	0.146431	3.152599	0.001912	0.140756
ADPRHL1;RASA3;CDC16;TMCO3;UPF3A;F10	-0.3717	-3.15326	0.001908	0.14073
PRKCQ;FBXO18	-0.44253	-3.15223	0.001914	0.140822
	0.375479	3.152113	0.001915	0.140822
	0.183852	3.151702	0.001917	0.140885
	0.343433	3.151055	0.001921	0.141059
	0.285798	3.152102	0.001915	0.140822
	0.66506	3.152811	0.00191	0.140739
	0.517248	3.152002	0.001916	0.140822
	-0.44278	-3.15201	0.001915	0.140822
BATF2;CTSW	-0.38379	-3.15177	0.001917	0.140879
	-0.29272	-3.15178	0.001917	0.140879
	0.375586	3.151113	0.001921	0.141057
ITGAE	-0.34716	-3.15126	0.00192	0.141012
	0.341133	3.151418	0.001919	0.140991
ST3GAL4;FEZ1;HYLS1	-0.47458	-3.15133	0.00192	0.141006
ADAM33;HSPA12B;SLC4A11;ZNF343	0.32198	3.150882	0.001922	0.14109
TIE1;SLC6A9;TMEM125;PTPRF;C1orf210;SLC2A1;KDM4A;LEPRE				
1;EBNA1BP2;CCDC24;ST3GAL3;ELOVL1	-0.48563	-3.15091	0.001922	0.14109
ZNF536;TSHZ3;C19orf12	0.352308	3.149102	0.001934	0.141515
SDCBP2;SIRPA;NSFL1C	-0.38877	-3.15013	0.001927	0.141239
	0.248644	3.150743	0.001923	0.141105
NELFE;DDR1;DHX16	0.30616	3.150492	0.001925	0.141186
	-0.29128	-3.15045	0.001925	0.141186
AGAP2;ARHGAP9	0.336745	3.150079	0.001927	0.141239
SYNRG;PLXDC1	0.382481	3.150753	0.001923	0.141105
	-0.2253	-3.14957	0.001931	0.1414
RHBDL2;PPIE;ZMPSTE24;COL9A2	-0.45591	-3.14904	0.001934	0.141518
	-0.43875	-3.15019	0.001927	0.141239
CCDC40;PCYT2;BAIAP2-AS1	-0.32969	-3.15041	0.001925	0.141186
	-0.33003	-3.15014	0.001927	0.141239
	0.217485	3.149835	0.001929	0.141326
	0.331475	3.149194	0.001933	0.141498
HES2;ESPN;ICMT	-0.28651	-3.14964	0.00193	0.141389
SLC44A4;NOTCH4;LY6G5C;NELFE;VWA7;C6orf10;HSPA1L;TNXB;				
CLIC1;HSPA1A;DDR1;EHMT2;ENSG00000225914;BAG6;RNF5;T				
CF19	-0.51967	-3.14865	0.001936	0.141624
AGO3	0.203191	3.148583	0.001937	0.141624
FOXF1	-0.35037	-3.14844	0.001938	0.141624
	-0.32024	-3.14776	0.001942	0.141642
	-0.46458	-3.14924	0.001933	0.141498
BAIAP2L1;KPNA7;TMEM130;BRI3;BUD31	-0.49548	-3.14885	0.001935	0.141583
PPA1;CDH23	0.343065	3.149386	0.001932	0.141458

	-0.423	-3.14658	0.001949	0.141822
	0.394311	3.147714	0.001942	0.141642
	0.298151	3.148071	0.00194	0.141642
HES2;CAMTA1;THAP3;CHD5	-0.32396	-3.14823	0.001939	0.141642
CRISPLD2	0.290104	3.14844	0.001938	0.141624
	0.387001	3.148628	0.001937	0.141624
	0.259875	3.148275	0.001939	0.141642
	-0.26388	-3.1478	0.001942	0.141642
	-0.19484	-3.14805	0.00194	0.141642
	0.346094	3.14852	0.001937	0.141624
LRRC56;MUC5B;DEAF1;IFITM1;B4GALNT4;TSPAN4	-0.30474	-3.1469	0.001947	0.141796
SLC23A1;TMEM173;IK;TMCO6;CYSTM1;SPATA24;ECSCR;PAIP2;				
CXXC5	-0.46329	-3.14602	0.001953	0.141878
TPPP	-0.50045	-3.14743	0.001944	0.141663
	0.531094	3.148387	0.001938	0.141624
	0.367476	3.147624	0.001943	0.141659
SLC2A10;SDC4;UBE2C;DNMTIP1;TP53RK;PCIF1;RIMS4	-0.63198	-3.14803	0.00194	0.141642
	0.357298	3.147727	0.001942	0.141642
FAM178A	0.436812	3.147404	0.001944	0.141663
ALDH3B2;TBC1D10C;UNC93B1;GSTP1;ALDH3B1;CARNS1;CTSF;				
SUV420H1;PITPNM1	-0.4064	-3.14729	0.001945	0.141665
	0.31681	3.147487	0.001944	0.141663
ENSG00000267221;RPL27;BECN1	-0.19918	-3.14774	0.001942	0.141642
OMA1	0.330323	3.147807	0.001942	0.141642
	0.319875	3.146734	0.001948	0.141822
KAZN	0.216394	3.147919	0.001941	0.141642
	-0.35336	-3.14755	0.001943	0.141663
	-0.36278	-3.14614	0.001952	0.141878
	-0.36343	-3.14576	0.001955	0.141935
MOK;WDR20;HSP90AA1	-0.39459	-3.1473	0.001945	0.141665
NLRC5;MT1E;CNOT1	-0.28292	-3.14662	0.001949	0.141822
SVIL;ZNF438	-0.41592	-3.1457	0.001955	0.141938
ACAP1	-0.42509	-3.14663	0.001949	0.141822
ZNRD1-AS1	-0.30268	-3.14699	0.001947	0.141782
PIEZO1;CBFA2T3;ENSG00000261226;ENSG00000259881;ENSG				
00000224888;ENSG00000182376;RNF166;ZFPM1;ANKRD11;E				
NSG00000260121;ENSG00000260279	-0.41594	-3.14678	0.001948	0.141822
	-0.34469	-3.14581	0.001954	0.141933
KIAA1549;ATP6V0A4;KDM7A;DENND2A;SLC37A3;HIPK2;TTC26;				
UBN2;TMEM213;JHDM1D-AS1;SVOP;ENSG00000271537	-0.50982	-3.14603	0.001953	0.141878
	0.282167	3.144651	0.001962	0.142129
DNAI2;KIF19;SMIM5;WBP2;HN1;HID1;ENSG00000265800	-0.31191	-3.14615	0.001952	0.141878
SV2A;ENSG00000269621	-0.44477	-3.14642	0.00195	0.141871
	-0.44857	-3.14499	0.001959	0.142093
ATP10A;ENSG00000257647	-0.40722	-3.14599	0.001953	0.141878

ENSG00000225914;TNXB;C6orf10;SLC44A4;PPP1R18;NOTCH4; LY6G5C;NRM;GNL1;VWA7;PBX2;TCF19	-0.42976	-3.14419	0.001964	0.142195
ZBTB20;ENSG00000259976;BOC;CD200R1	0.358562	3.145987	0.001953	0.141878
MOB3A;S1PR4	-0.35521	-3.14469	0.001961	0.142129
CAV1	0.362647	3.146017	0.001953	0.141878
	-0.42936	-3.14611	0.001952	0.141878
	-0.70398	-3.14443	0.001963	0.142157
C4orf29	-0.39826	-3.14491	0.00196	0.142105
	0.341376	3.145115	0.001959	0.142085
	0.438168	3.145527	0.001956	0.141968
SYNGAP1;ZBTB9;C6orf10;ITPR3;HLA-DPB1;HSD17B8	-0.21938	-3.14559	0.001956	0.141964
	0.291436	3.145269	0.001958	0.142038
	0.235228	3.144241	0.001964	0.142195
	0.278896	3.144785	0.001961	0.142116
	0.311	3.145302	0.001957	0.142038
	-0.36784	-3.14457	0.001962	0.142143
	0.208529	3.145014	0.001959	0.142093
	0.390272	3.143409	0.001969	0.142206
TENC1;ATF7;PRR13;KRT80	0.410792	3.143535	0.001969	0.142206
PRDX3P4;ENSG00000224479;ADAMTS9-AS2;SYNPR;PRICKLE2- AS3	-0.2753	-3.14402	0.001966	0.142206
TWIST2;HES6;RAB17;TRAF3IP1;MLPH	0.294816	3.143295	0.00197	0.142206
NBL1;KLHDC7A;AKR7A2;IFFO2	-0.42837	-3.14352	0.001969	0.142206
TCF21;SLC2A12	-0.42945	-3.14383	0.001967	0.142206
	0.443907	3.144276	0.001964	0.142195
ATP6V0A1;COASY;ENSG00000264058;ENSG00000267758;STA T5B;STAT5A	0.419367	3.143524	0.001969	0.142206
	-0.39671	-3.14447	0.001963	0.142157
CARS;TSPAN32;IGF2;NAP1L4	-0.19152	-3.14385	0.001967	0.142206
	0.300949	3.143626	0.001968	0.142206
	0.345184	3.143903	0.001966	0.142206
	-0.41699	-3.14482	0.00196	0.142116
	0.359058	3.142076	0.001978	0.142403
	-0.2882	-3.14375	0.001967	0.142206
	0.354961	3.142614	0.001974	0.142348
ARL3;CNNM2;C10orf32;SH3PXD2A;NFKB2;C10orf95	-0.33103	-3.14327	0.00197	0.142206
TDRP	-0.28198	-3.14325	0.00197	0.142206
RSPH10B;EIF2AK1;FOXK1;CYTH3;FSCN1	-0.27725	-3.14362	0.001968	0.142206
	0.239473	3.143225	0.001971	0.142206
IFT140;BAIAP3;CLDN9;ENSG00000272079;HAGH;RNPS1;HN1L; HCFC1R1;HS3ST6;CCDC64B;PDPK1;MSRB1	-0.55573	-3.14135	0.001983	0.142516
	0.233634	3.142604	0.001975	0.142348
	-0.40103	-3.14364	0.001968	0.142206
	-0.44494	-3.14347	0.001969	0.142206
ACOX2;ARHGEF3;FAM107A	-0.4301	-3.14268	0.001974	0.142348
ENSG00000222511	-0.36986	-3.1426	0.001975	0.142348
	0.291129	3.142882	0.001973	0.142316



	-0.28401	-3.14138	0.001982	0.142516
	0.274206	3.142427	0.001976	0.142403
	0.357071	3.142901	0.001973	0.142316
	-0.30641	-3.14236	0.001976	0.142403
	-0.31609	-3.14206	0.001978	0.142403
	0.297435	3.141186	0.001984	0.142543
MUC5B	0.259516	3.142095	0.001978	0.142403
VAR5;CUTA;RNF5;LSM2;SLC39A7	0.405275	3.141474	0.001982	0.142516
	0.320812	3.142124	0.001978	0.142403
	0.35759	3.143414	0.001969	0.142206
SLC44A1;NIPSNAP3A	0.223725	3.141441	0.001982	0.142516
	0.348532	3.140864	0.001986	0.142667
	-0.35197	-3.14224	0.001977	0.142403
PPARGC1B;HMGXB3;ARSI;ABLIM3	-0.34154	-3.14192	0.001979	0.142423
	-0.2748	-3.14174	0.00198	0.142481
DFFB	0.351999	3.142312	0.001976	0.142403
RIBC2;ENSG00000226328;GRAMD4;PRR5;CELSR1;ENSG00000197182	-0.74686	-3.13986	0.001992	0.142889
	0.325212	3.141932	0.001979	0.142423
ENSG00000223373	0.339173	3.141276	0.001983	0.142526
IL12RB1;JAK3;FCHO1;BST2	0.427267	3.141618	0.001981	0.142512
	0.262315	3.139847	0.001992	0.142889
	-0.3805	-3.14144	0.001982	0.142516
UBXN10;NBL1;CAMK2N1;EMC1;UBXN10-AS1;KIF17;AKR7A2;ALDH4A1	-0.46272	-3.14011	0.00199	0.142845
	0.380628	3.140654	0.001987	0.14274
HERC1;TRIP4;PLEKHO2;IGDCC4;PIF1;DAPK2;CSNK1G1	-0.26723	-3.14055	0.001988	0.142763
	0.321918	3.140392	0.001989	0.142813
	-0.20644	-3.13974	0.001993	0.142889
SQLE;ZNF572;LINC00964;MTSS1;TRMT12;FER1L6-AS1	-0.3283	-3.14032	0.001989	0.142824
SYBU	-0.26924	-3.13783	0.002005	0.143182
	-0.24697	-3.13934	0.001995	0.142889
CABLES1	-0.30214	-3.13927	0.001996	0.142899
COL1A2	0.316633	3.138936	0.001998	0.14301
CLUAP1;C16orf71;CDIP1;ENSG00000263011;C16orf89;SMIM22;ENSG00000262312;NLRC3;CORO7;SEC14L5	-0.47593	-3.1395	0.001994	0.142889
	0.257165	3.139686	0.001993	0.142889
OAF;MCAM	0.245031	3.139635	0.001994	0.142889
	0.279881	3.139732	0.001993	0.142889
	0.363135	3.140121	0.00199	0.142845
	0.267156	3.138617	0.002	0.143079
	-0.50265	-3.13934	0.001995	0.142889
PKDCC	-0.28108	-3.14017	0.00199	0.142845
	-0.26895	-3.13956	0.001994	0.142889
	0.257612	3.138399	0.002002	0.1431
	-0.32329	-3.13947	0.001995	0.142889
PRSS23;FZD4	0.374688	3.14	0.001991	0.142873

SHROOM3	0.447793	3.139384	0.001995	0.142889
PEAR1;RAB25;IQGAP3;NES;SMG5;DAP3;CCT3;MEF2D;LAMTOR				
2;RIT1;SYT11;HDGF	-0.35829	-3.13879	0.001999	0.143024
UGGT1	0.306368	3.138872	0.001998	0.14301
	-0.29779	-3.13842	0.002001	0.1431
	-0.21623	-3.13755	0.002007	0.143216
ZHX2;TBC1D31;FER1L6	-0.35498	-3.13847	0.002001	0.1431
	-0.37538	-3.13833	0.002002	0.1431
	0.343031	3.137908	0.002005	0.143182
	0.253559	3.13627	0.002015	0.143398
	-0.32095	-3.13688	0.002011	0.143303
	-0.43653	-3.13815	0.002003	0.14313
ASAP1	-0.53903	-3.13743	0.002008	0.143216
	-0.30945	-3.13892	0.001998	0.14301
	0.173982	3.136643	0.002013	0.143321
	-0.2579	-3.1375	0.002007	0.143216
SUPT6H;TRAF4;MYO18A;ANKRD13B;TLCD1;CORO6;RAB34;BLM				
H;NSRP1;PROCA1	-0.25364	-3.13723	0.002009	0.143216
	0.446735	3.137857	0.002005	0.143182
JAK3;NR2F6	-0.44568	-3.13831	0.002002	0.1431
SRSF9	-0.27523	-3.13767	0.002006	0.143216
	0.379881	3.137924	0.002005	0.143182
	0.28892	3.136558	0.002013	0.143332
	-0.23062	-3.13738	0.002008	0.143216
SLC44A4;ZBTB22	-0.33325	-3.13715	0.00201	0.143232
	0.28332	3.138145	0.002003	0.14313
DLG1	-0.27698	-3.13696	0.002011	0.143296
PTK6;STMN3;DNAJC5;SAMD10	-0.3746	-3.1373	0.002009	0.143216
	-0.39292	-3.13748	0.002007	0.143216
RNF213	-0.38484	-3.13727	0.002009	0.143216
	-0.38435	-3.13615	0.002016	0.143406
	-0.3459	-3.13733	0.002008	0.143216
	0.339957	3.136709	0.002012	0.143315
	0.275418	3.13677	0.002012	0.14331
TPPP;TRIP13;SDHA	0.425044	3.136442	0.002014	0.143342
	0.274683	3.134404	0.002027	0.143665
	0.364613	3.135957	0.002017	0.143471
	0.411428	3.136517	0.002014	0.143332
IFT122;KIAA1257;EFCAB12;ENSG00000187695;ENSG00000244				
300;PLXND1;GATA2;TMCC1;RPL32P3;COL6A5	-0.50776	-3.13527	0.002022	0.143653
	0.319786	3.136837	0.002012	0.143303
	0.37085	3.13498	0.002024	0.143653
RNF32	0.289957	3.135557	0.00202	0.143608
	-0.36364	-3.13541	0.002021	0.143627
	0.207255	3.135014	0.002023	0.143653
	-0.23232	-3.13462	0.002026	0.143653
	0.496703	3.136149	0.002016	0.143406

ENSG00000266378	-0.35229	-3.13467	0.002026	0.143653
	0.283234	3.134698	0.002026	0.143653
	-0.2108	-3.13547	0.00202	0.143624
CTBP2;DHX32	0.326262	3.135155	0.002023	0.143653
	0.359949	3.134253	0.002028	0.143674
	-0.27812	-3.13383	0.002031	0.143681
METRN;CCDC78;BAIAP3;HAGHL;IFT140;NHLRC4;PIGQ;WDR90; ENSG00000261659;HS3ST6;HAGH;WDR24;FAM173A	-0.2264	-3.1337	0.002032	0.143681
TRAF1	0.274276	3.134788	0.002025	0.143653
ENSG00000245750;ENSG00000259641;PAQR5;ENSG00000259 426;CORO2B	-0.61515	-3.1351	0.002023	0.143653
	-0.4155	-3.13489	0.002024	0.143653
	0.395852	3.135716	0.002019	0.143559
	-0.1892	-3.13296	0.002037	0.143681
	-0.36138	-3.13471	0.002025	0.143653
	0.419881	3.13423	0.002029	0.143674
	0.268304	3.134531	0.002027	0.143653
	0.242328	3.134164	0.002029	0.143681
PIGU	-0.30071	-3.135	0.002024	0.143653
	0.294404	3.133074	0.002036	0.143681
	0.154841	3.134266	0.002028	0.143674
ENSG00000232682	0.320457	3.134554	0.002026	0.143653
	0.263639	3.134812	0.002025	0.143653
BNIP1;RORC;CGN	0.245681	3.13445	0.002027	0.143665
ROR1;EFCAB7	0.404497	3.133551	0.002033	0.143681
	-0.35614	-3.13381	0.002031	0.143681
GGT5;SPECC1L;MYO18B	-0.5653	-3.13466	0.002026	0.143653
SDCBP2;NSFL1C;SOX12;SRPA	-0.48289	-3.13341	0.002034	0.143681
	-0.29356	-3.13381	0.002031	0.143681
	-0.24532	-3.13261	0.002039	0.143681
	0.222288	3.131498	0.002047	0.143681
CGN;SELENBP1;THEM4;HRNR;RORC;BNIP1;ENSG00000269621; RIIAD1;S100A11;FLG;PSMD4;SEMA6C	-0.34799	-3.13229	0.002041	0.143681
ENSG00000245466	-0.46957	-3.13346	0.002034	0.143681
	0.368537	3.133365	0.002034	0.143681
FSTL3;MISP;PPAP2C;R3HDM4;PALM;GAMT;TCF3;ADAMTSL5;S HC2;GRIN3B;PCSK4;CFD	-0.35531	-3.13319	0.002035	0.143681
	-0.28784	-3.1332	0.002035	0.143681
WNT7B	-0.47774	-3.13354	0.002033	0.143681
C14orf132	-0.27077	-3.13326	0.002035	0.143681
KIF7;ISG20;MFGE8;NTRK3	-0.36776	-3.13264	0.002039	0.143681
	-0.37018	-3.1322	0.002042	0.143681
	0.464727	3.133252	0.002035	0.143681
RNASEH2C;FERMT3;SLC25A45;SIPA1	0.251937	3.131894	0.002044	0.143681
BNIP1;RPL26L1;ERGIC1;ATP6V0E1	0.360266	3.132759	0.002038	0.143681
ARL15	-0.42788	-3.13331	0.002035	0.143681

ENSG00000241764	-0.44744	-3.13281	0.002038	0.143681
ENSG00000266371;ENSG00000264538;SH3GL1P1	0.262558	3.133639	0.002032	0.143681
	-0.23712	-3.13243	0.00204	0.143681
ASNA1	0.244175	3.133739	0.002032	0.143681
DDR1;HLA-F-AS1;DHX16	-0.30862	-3.13277	0.002038	0.143681
	0.161095	3.132769	0.002038	0.143681
	-0.27507	-3.13233	0.002041	0.143681
	0.300282	3.13223	0.002042	0.143681
	-0.74417	-3.13239	0.002041	0.143681
FGD2;CPNE5;PI16	-0.46499	-3.1322	0.002042	0.143681
	-0.31582	-3.13206	0.002043	0.143681
	0.447796	3.132046	0.002043	0.143681
PTGDR	-0.29284	-3.1319	0.002044	0.143681
	0.178506	3.131942	0.002044	0.143681
	0.524934	3.132076	0.002043	0.143681
ENSG00000223764;SAMD11;MXRA8;TTLL10- AS1;ANKRD65;PRKCZ;TTLL10;ENSG00000269896;RNF223;C1orf 222;ATAD3A;SKI;MORN1;TMEM52;SSU72	-0.28578	-3.13094	0.00205	0.143802
	0.357526	3.131368	0.002047	0.143718
UNC13B;TLN1;GLIPR2;DNAJB5;HINT2;PIGO;STOML2;RUSC2;TP M2;CLTA;RMRP;GNE;VCP	0.40939	3.131888	0.002044	0.143681
TBL2;EIF4H	0.248214	3.131933	0.002044	0.143681
	0.318155	3.131759	0.002045	0.143681
	-0.44557	-3.13175	0.002045	0.143681
STX18;SH3BP2;ADD1	-0.43255	-3.13224	0.002042	0.143681
	-0.37819	-3.1317	0.002045	0.143681
	0.437201	3.132477	0.00204	0.143681
KLHDC8A;SLC41A1;ELK4;NUAK2;PLEKHA6;TMCC2;LEMD1	-0.3633	-3.13155	0.002046	0.143681
	-0.41517	-3.1316	0.002046	0.143681
	0.362478	3.132191	0.002042	0.143681
	0.285183	3.131625	0.002046	0.143681
SLC44A4;TNXB;C6orf10;VWA7;NELFE;DDAH2;LTB FAM114A1	-0.33345	-3.13109	0.002049	0.143798
	0.379741	3.130591	0.002052	0.143802
	0.455063	3.131801	0.002045	0.143681
	-0.31595	-3.13057	0.002053	0.143802
LYL1	-0.20359	-3.13093	0.00205	0.143802
	0.342233	3.130776	0.002051	0.143802
	0.27384	3.131697	0.002045	0.143681
	-0.36904	-3.13068	0.002052	0.143802
CD52;ZNF683	-0.32513	-3.1313	0.002048	0.143726
ZFAND6	0.366788	3.131499	0.002046	0.143681
GRK5;GRK5-IT1;PRDX3;WDR11	-0.45061	-3.13057	0.002053	0.143802
	-0.49488	-3.13068	0.002052	0.143802
	0.287786	3.128825	0.002064	0.144235
ENSG00000261659	-0.49084	-3.13077	0.002051	0.143802
	-0.30896	-3.12929	0.002061	0.144119

FAM178B	-0.18734	-3.13017	0.002055	0.143938
	0.231481	3.129056	0.002063	0.144199
	-0.36746	-3.1298	0.002058	0.144041
	-0.38091	-3.12839	0.002067	0.144283
	0.4065	3.129679	0.002059	0.144061
ITGB2;TRPM2	-0.4218	-3.13013	0.002056	0.143938
	0.311143	3.130785	0.002051	0.143802
	-0.37657	-3.13026	0.002055	0.143926
	0.343791	3.129608	0.002059	0.144061
PYCR1;LINC00482;SECTM1;NOTUM;SIRT7;P4HB	-0.34445	-3.12834	0.002067	0.144283
	-0.2564	-3.12964	0.002059	0.144061
NFKBIE;TBCC;RRP36;MRPL14;MAD2L1BP	0.211212	3.128773	0.002065	0.144236
SOD3	-0.31782	-3.12928	0.002061	0.144119
	0.225359	3.129436	0.00206	0.1441
C6orf132;PEX6;POLR1C;ENSG00000261068;GLTSCR1L;TRERF1	-0.42013	-3.12992	0.002057	0.144008
	0.301918	3.128933	0.002063	0.144232
	0.315095	3.128561	0.002066	0.144283
PSMG3;FTSJ2	0.259222	3.127845	0.002071	0.144407
	-0.281	-3.12885	0.002064	0.144235
	-0.48187	-3.12942	0.00206	0.1441
NFKBIE;SLC29A1	-0.26199	-3.12795	0.00207	0.144392
OSBPL10	0.402821	3.128638	0.002065	0.144275
	0.250108	3.128315	0.002068	0.144283
	0.40488	3.128483	0.002066	0.144283
	-0.31453	-3.12811	0.002069	0.144356
	-0.24965	-3.12736	0.002074	0.144586
ACACB;ENSG00000256139	-0.25864	-3.12793	0.00207	0.144392
	-0.37106	-3.12833	0.002067	0.144283
	-0.22933	-3.12701	0.002076	0.144699
ENSG00000224187	-0.19598	-3.12714	0.002075	0.144666
CSPG4;NRG4;FAM219B;CCDC33;ISLR;ENSG00000259264;PML;				
COX5A;SCAMP2	-0.49098	-3.12691	0.002077	0.144699
	0.285181	3.125255	0.002088	0.145151
ATM;ENSG00000261098;EXPH5	-0.64722	-3.12751	0.002073	0.144538
TRPV3;ASPA;ATP2A3;HIC1;RAP1GAP2	-0.40233	-3.12611	0.002082	0.144933
POLD3;DNAJB13;PPME1;PLEKHB1	-0.41733	-3.12634	0.002081	0.144933
	0.302437	3.126172	0.002082	0.144933
	0.270213	3.12696	0.002077	0.144699
	0.198348	3.125903	0.002084	0.145004
	0.333994	3.126144	0.002082	0.144933
STK10	-0.31231	-3.12529	0.002088	0.145151
	0.40729	3.126172	0.002082	0.144933
R3HDM4;MOB3A;CSNK1G2-AS1;SCAMP4;GRIN3B;CDC34	-0.30885	-3.12536	0.002087	0.145151
KCTD7;SKP1P1	-0.38185	-3.12554	0.002086	0.145126
ADCY5;SEMA5B;IQCB1;POLQ;ILDR1;WDR5B;KPNA1;GOLGB1;FB				
XO40;SLC15A2;DIRC2	-0.48613	-3.12495	0.00209	0.145258

PLD2;ZFP3;ASPA;MINK1;CYB5D2;ALOX15;KIF1C;SCIMP;ENSG0000261863	-0.49155	-3.12613	0.002082	0.144933
	0.323146	3.12411	0.002096	0.145486
	0.322983	3.125665	0.002085	0.145091
	-0.32702	-3.12467	0.002092	0.14532
PSMB8;NOTCH4;CLIC1;TNXB	0.331619	3.125233	0.002088	0.145151
	-0.2881	-3.12423	0.002095	0.145454
	0.347605	3.124572	0.002093	0.145342
ENSG00000237234;LAMA4;SLC16A10;ENSG00000226440;ENSG00000271208;FAM229B;ENSG00000270661;ENSG0000025389	-0.49104	-3.12546	0.002087	0.145139
PSD3	0.386768	3.124742	0.002091	0.145309
MED7	-0.46212	-3.12474	0.002091	0.145309
NOTCH4;TNXB;SLC44A4;C6orf10;VWA7;LY6G5C;ENSG00000225914;TCF19;NELFE;PBX2;EHMT2;C6orf48;PRRC2A;ENSG00000272221;PPT2;C6orf47;DDAH2;HSPA1L;CLIC1;HNRNPA1P2	-0.37429	-3.12245	0.002107	0.14566
	-0.28139	-3.12343	0.0021	0.145533
SQLE;FAM84B	-0.45867	-3.12368	0.002099	0.145524
ENSG00000259498;TPM1;FBXL22;TLN2;FAM96A;SNX1;HERC1;CSNK1G1	-0.36508	-3.12325	0.002101	0.14558
	-0.25724	-3.12446	0.002093	0.14537
	0.37648	3.123934	0.002097	0.145514
MTG1	0.280681	3.123098	0.002103	0.145587
	0.374119	3.123417	0.0021	0.145533
	0.163016	3.122516	0.002106	0.14566
	-0.33904	-3.12259	0.002106	0.14566
COPA;ENSG00000213080;SDHC	0.206189	3.122723	0.002105	0.14566
BAI1	0.320652	3.123986	0.002097	0.145514
CCDC64	0.283754	3.123622	0.002099	0.145526
RNF166	0.438192	3.123827	0.002098	0.145514
	-0.22118	-3.12383	0.002098	0.145514
	-0.23934	-3.12309	0.002103	0.145587
	0.437107	3.122601	0.002106	0.14566
	-0.31015	-3.12379	0.002098	0.145514
ANKRD29;ENSG00000265752	-0.37579	-3.1234	0.0021	0.145533
PRTG;NEDD4	-0.4582	-3.123	0.002103	0.145603
	0.312612	3.123748	0.002098	0.145514
	0.401112	3.122844	0.002104	0.145654
DOK2	0.319579	3.123104	0.002102	0.145587
	0.401765	3.123441	0.0021	0.145533
	-0.30127	-3.12066	0.002119	0.146013
FUT8	-0.45414	-3.12204	0.00211	0.145734
TMEM125;CCDC24	0.422621	3.122377	0.002107	0.14566
	-0.31167	-3.12219	0.002109	0.145698
ZNF662;FAM198A;TRAK1;NKTR;ZBTB47	-0.43845	-3.12269	0.002105	0.14566
	-0.44323	-3.12232	0.002108	0.145663

HS3ST1;ENSG00000251152	-0.40523	-3.12202	0.00211	0.145734
ZHX2;ENSG00000254000	0.312513	3.122384	0.002107	0.14566
	0.224561	3.120848	0.002118	0.145999
SHQ1	0.409092	3.122428	0.002107	0.14566
	-0.32022	-3.12146	0.002114	0.145899
ATF7;TENC1;KRT18;KRT8;PRR13;MAP3K12;MFSD5;COPZ1;PFD				
N5;ATP5G2;ENSG00000257337	-0.38249	-3.12113	0.002116	0.145978
WDR45B;TBCD	-0.22225	-3.12068	0.002119	0.146013
	-0.35622	-3.12174	0.002112	0.145818
SMIM22;CORO7;TFAP4;CDIP1;C16orf71;ENSG00000262686;GL				
YR1	-0.46718	-3.12194	0.00211	0.145745
NOTCH3	0.201706	3.120941	0.002117	0.145979
	0.3006	3.12041	0.002121	0.146013
PREB	0.335825	3.119728	0.002125	0.146054
	0.197768	3.121232	0.002115	0.145978
ENSG00000272005	0.413439	3.121614	0.002113	0.145852
	0.246661	3.120479	0.00212	0.146013
MDC1;PPP1R11;DDR1;PPP1R18	-0.26613	-3.12099	0.002117	0.145979
	0.360406	3.120243	0.002122	0.146021
	0.238633	3.120062	0.002123	0.146021
TLDC1;KIAA0513;HSBP1;ATP2C2;ENSG00000262601	-0.37187	-3.12039	0.002121	0.146013
	-0.5036	-3.12001	0.002123	0.146021
TENC1;GRASP;GALNT6;ACVRL1;KRT7;KRT8	0.353199	3.120367	0.002121	0.146013
	-0.36356	-3.11999	0.002124	0.146021
	0.4477	3.121094	0.002116	0.145978
MPZ;USF1;F11R;TSTD1;SDHC;PVRL4;FCER1G;UFC1;OLFML2B;F				
CGR3B;KLHDC9;ENSG00000213080;ARHGAP30;ADAMTS4;PEA				
15	0.221526	3.118164	0.002136	0.146342
	-0.37827	-3.12065	0.002119	0.146013
	-0.34905	-3.12042	0.002121	0.146013
	0.328765	3.119475	0.002127	0.146109
PPP4R4;UNC79;ASB2;C14orf142;ENSG00000258987;FAM181A-				
AS1;PRIMA1	-0.42346	-3.12019	0.002122	0.146021
	0.241501	3.121015	0.002117	0.145979
	-0.34085	-3.11995	0.002124	0.146021
	-0.25394	-3.11932	0.002128	0.146151
	-0.23141	-3.11917	0.002129	0.146175
	0.290305	3.121143	0.002116	0.145978
SCARF1;DOC2B;INPP5K;YWHAE;FAM101B;GLOD4	-0.45477	-3.11996	0.002124	0.146021
	0.281848	3.120297	0.002122	0.146021
	0.224907	3.119461	0.002127	0.146109
	-0.37005	-3.11837	0.002135	0.146314
MYCBPAP;TTLL6;ENSG00000248954	-0.46761	-3.12059	0.00212	0.146013
	0.350507	3.118585	0.002133	0.146308
DNAJC4;PRDX5;PLA2G16;PLCB3;TRPT1;RPS6KA4;TM7SF2;CDCA				
5	-0.3323	-3.11895	0.002131	0.146208
RPGRIP1L;IRX3;FTO-IT1;AKTIP	-0.59321	-3.11988	0.002124	0.146032

	0.395495	3.119596	0.002126	0.146092
	0.712128	3.119816	0.002125	0.146036
ZNF48;ZNF629	-0.33856	-3.11877	0.002132	0.146268
	-0.2494	-3.11832	0.002135	0.146314
	0.213595	3.119005	0.00213	0.146205
ATP8B2;NPR1;SHE;TDRD10;S100A2;S100A14;SNAPIN;GATAD2B				
;S100A16;DENND4B;EFNA1;C1orf43;ILF2;CKS1B	-0.38543	-3.11869	0.002132	0.146281
	-0.29086	-3.11583	0.002152	0.146697
	-0.30365	-3.1185	0.002134	0.146314
	0.33218	3.117745	0.002139	0.146374
ENSG00000271204	0.330626	3.116725	0.002146	0.146572
	-0.23025	-3.1172	0.002143	0.14649
RAB31L1;VPS37C	0.25517	3.119257	0.002129	0.146157
	-0.30668	-3.11901	0.00213	0.146205
	0.2544	3.118272	0.002135	0.146314
SPIRE2;ENSG00000261226;CBFA2T3;SPATA33	-0.26838	-3.11832	0.002135	0.146314
	0.294346	3.117462	0.002141	0.146413
	0.298973	3.116492	0.002148	0.14662
DDR2;OLFML2B;C1orf110;RGS5;C1orf226;UAP1;RGS4	-0.479	-3.11787	0.002138	0.146374
	0.203622	3.117873	0.002138	0.146374
GCC2	0.362808	3.118326	0.002135	0.146314
WDR45B;PCYT2;SLC25A10	-0.33003	-3.11735	0.002142	0.146441
	0.313924	3.117642	0.00214	0.146391
	0.325405	3.116808	0.002145	0.146572
C11orf21;LSP1;TSPAN32	-0.25995	-3.11784	0.002138	0.146374
	-0.45232	-3.11806	0.002137	0.146365
PPP4R4;UBR7;ASB2	0.444178	3.117788	0.002139	0.146374
PDZD2	-0.43864	-3.11785	0.002138	0.146374
	0.270636	3.11761	0.00214	0.146391
	0.464043	3.117115	0.002143	0.146506
	-0.41493	-3.11699	0.002144	0.146542
PEAR1;HDGF;SYT11;MTX1	0.322546	3.117514	0.002141	0.146412
FAM78B;ILDR2;GPR161;MPC2;DCAF6	0.28922	3.1141	0.002164	0.146806
KIAA1614;SOAT1;AXDND1;STX6	-0.42906	-3.11615	0.00215	0.14662
	0.328234	3.115822	0.002152	0.146697
	0.334587	3.11487	0.002159	0.146789
	0.329348	3.116312	0.002149	0.14662
GEMIN8P4;LRRC8C	0.292733	3.116728	0.002146	0.146572
TTC18;P4HA1	-0.40131	-3.11634	0.002149	0.14662
	-0.45018	-3.11567	0.002153	0.146742
	-0.30506	-3.11678	0.002146	0.146572
	-0.24032	-3.11421	0.002163	0.146806
C14orf2	0.246837	3.116461	0.002148	0.14662
BIK;TTLL12	-0.27372	-3.11631	0.002149	0.14662
TET1;TSPAN15;PALD1;TACR2;SUPV3L1;HK1;DDX21	-0.51851	-3.1156	0.002154	0.14675
IRF8	0.557256	3.116465	0.002148	0.14662
CECR2;USP18	-0.48447	-3.11617	0.00215	0.14662



EPCAM	0.318917	3.113988	0.002165	0.146806
PIK3R1	-0.40267	-3.11449	0.002161	0.146789
PTPRH;TMC4;PPP6R1;MBOAT7	-0.2778	-3.11625	0.002149	0.14662
	-0.2917	-3.11313	0.002171	0.147019
	-0.32938	-3.11496	0.002158	0.146789
	-0.2466	-3.11513	0.002157	0.146789
ST6GALNAC2;SMIM5;RNF157- AS1;ST6GALNAC1;SMIM6;RHBDF2;UNC13D;SPHK1;FOXJ1;GALK 1;CASKIN2;TRIM65;ENSG00000261335;PRPSAP1	-0.32411	-3.11439	0.002162	0.146806
BTN3A1;BTN3A3;BTN3A2	-0.26494	-3.11613	0.00215	0.14662
MAPKAPK5-AS1	0.288797	3.115052	0.002158	0.146789
	0.30529	3.113787	0.002166	0.146833
	0.386416	3.113066	0.002171	0.147019
	0.379733	3.114659	0.00216	0.146789
OLFML2A	0.234138	3.115168	0.002157	0.146789
	-0.36044	-3.11448	0.002162	0.146789
	0.267856	3.115165	0.002157	0.146789
ZNF471	0.415833	3.114655	0.00216	0.146789
TRAPPC2L	0.30227	3.114845	0.002159	0.146789
LRRC32;USP35	-0.3521	-3.11379	0.002166	0.146833
TRAF5	0.46704	3.114818	0.002159	0.146789
	0.371662	3.11519	0.002157	0.146789
	0.178969	3.113985	0.002165	0.146806
DOPEY2	-0.3514	-3.1147	0.00216	0.146789
TMEM204;CACNA1H	-0.32149	-3.11394	0.002165	0.146806
	0.370168	3.114178	0.002164	0.146806
	0.273439	3.115813	0.002152	0.146697
SOGA1	-0.31068	-3.11462	0.002161	0.146789
	0.409763	3.115378	0.002155	0.146789
	0.37289	3.114249	0.002163	0.146806
	-0.30984	-3.115	0.002158	0.146789
RARRES3;OTUB1	-0.34294	-3.11239	0.002176	0.147095
	0.360415	3.115176	0.002157	0.146789
TMEM14B;SYCP2L;TMEM14C	0.399617	3.114826	0.002159	0.146789
	0.458209	3.113473	0.002168	0.146934
DLL4;STARD9	-0.28002	-3.11456	0.002161	0.146789
PEAR1;SLC50A1;NES;MUC1;ASH1L;SYT11;MEF2D;MTX1;RAB25; SMG5;FLAD1;HDGF;LAMTOR2;CCT3	-0.39714	-3.11462	0.002161	0.146789
SH3TC1;KIAA0232;ABLIM2;CCDC96;MRFAP1L1;S100P;AFAP1- AS1;GRPEL1	0.44193	3.114092	0.002164	0.146806
	-0.31759	-3.11182	0.00218	0.147143
NAP1L4;CARS;MRPL23;IGF2	-0.25985	-3.11373	0.002167	0.146837
	0.168073	3.113046	0.002171	0.147019
	-0.38852	-3.11341	0.002169	0.14694
	-0.3061	-3.11418	0.002164	0.146806
ERC1;B4GALNT3	-0.35857	-3.11309	0.002171	0.147019
	0.213925	3.112624	0.002174	0.147095

SMIM1	-0.37774	-3.11252	0.002175	0.147095
TTC22;BSND	0.35345	3.112817	0.002173	0.14708
LPCAT1	-0.32297	-3.11189	0.00218	0.147143
	-0.25741	-3.11256	0.002175	0.147095
IL32;PPL;SEC14L5;UBN1	-0.34276	-3.11247	0.002175	0.147095
	0.258508	3.112937	0.002172	0.147047
	0.352044	3.111094	0.002185	0.147262
	0.382826	3.11243	0.002176	0.147095
	-0.30057	-3.11109	0.002185	0.147262
DNAAF2;ATP5S;CDKL1;ABHD12B;C14orf182;PYGL;NIN;ENSG0000258946;ENSG00000259071	-0.44508	-3.11218	0.002177	0.147143
WDR45B;PCYT2;NOTUM;LRRC45;MAFG-AS1;STRA13;TBCD	-0.4488	-3.11167	0.002181	0.14718
TRPM2;ITGB2	0.479175	3.112428	0.002176	0.147095
	0.343394	3.110878	0.002187	0.147273
	-0.28976	-3.11242	0.002176	0.147095
ICAM3	-0.42697	-3.11194	0.002179	0.147143
C4A	-0.29459	-3.1118	0.00218	0.147143
ITGA11;ENSG00000245750	-0.33163	-3.11112	0.002185	0.147262
	-0.40488	-3.11206	0.002178	0.147143
	0.376825	3.111114	0.002185	0.147262
	0.518524	3.112192	0.002177	0.147143
	0.147655	3.110981	0.002186	0.147262
TNXB	-0.24049	-3.1118	0.00218	0.147143
	0.328876	3.112	0.002179	0.147143
NKIRAS1	-0.4072	-3.10868	0.002202	0.147757
	0.353714	3.110367	0.00219	0.147329
	0.315477	3.111835	0.00218	0.147143
	0.30096	3.11056	0.002189	0.147329
RBMS2;MARS;PTGES3	-0.26497	-3.10958	0.002196	0.14747
ECHS1;LRRC27	-0.37068	-3.11046	0.00219	0.147329
	-0.23202	-3.11077	0.002187	0.147277
	-0.32964	-3.11114	0.002185	0.147262
	0.304496	3.111458	0.002183	0.147256
	0.302934	3.1105	0.002189	0.147329
	0.211023	3.110086	0.002192	0.14735
	-0.45196	-3.11095	0.002186	0.147262
MEG3;ENSG00000232018;ENSG00000225746	0.329203	3.110982	0.002186	0.147262
	-0.48988	-3.11014	0.002192	0.14735
	0.318118	3.108627	0.002202	0.147757
RNF166	-0.3562	-3.11102	0.002186	0.147262
	-0.34761	-3.11095	0.002186	0.147262
	0.357791	3.109826	0.002194	0.147422
COQ4;TTC16;ODF2;C9orf117;WDR34;RALGPS1;SH2D3C	-0.45302	-3.10889	0.002201	0.147702
ACSL5	-0.48569	-3.11083	0.002187	0.147273
	-0.20896	-3.10962	0.002195	0.14747
	-0.3349	-3.11022	0.002191	0.14735

FCGBP;FBXO17;ZNF780B;PRX;LTBP4;PSMC4	0.265637	3.110045	0.002192	0.14735
	-0.27088	-3.11062	0.002188	0.147327
	-0.30865	-3.11039	0.00219	0.147329
	-0.35891	-3.11009	0.002192	0.14735
	-0.2462	-3.1097	0.002195	0.147461
GID8;DNAJC5	-0.29251	-3.10803	0.002207	0.147887
	-0.25619	-3.10906	0.002199	0.147644
	0.612407	3.110027	0.002193	0.14735
ITGA10	0.316678	3.108781	0.002201	0.14773
	0.311352	3.10783	0.002208	0.147919
	0.301355	3.109364	0.002197	0.147548
	-0.38292	-3.10779	0.002208	0.147919
	0.364302	3.108493	0.002203	0.147797
GPBP1	-0.32743	-3.10917	0.002199	0.147615
	-0.44611	-3.10663	0.002217	0.148216
	0.288447	3.108418	0.002204	0.147809
CCDC64B;HN1L;ENSG00000205890;IL32;PRSS22;PAQR4;TPSD1 ;TMEM204;IFT140;UNKL;FLYWCH1	-0.35127	-3.10825	0.002205	0.147843
	-0.27501	-3.10801	0.002207	0.147887
	-0.51253	-3.10827	0.002205	0.147843
	0.304055	3.107738	0.002209	0.147923
	0.375937	3.107118	0.002213	0.148141
CCDC126;RAPGEF5;FAM221A	0.19796	3.108094	0.002206	0.147887
	0.267074	3.106242	0.002219	0.14826
	0.39575	3.107494	0.00221	0.148015
	0.271697	3.107884	0.002208	0.147919
	0.387121	3.10708	0.002213	0.148141
FAM57A;C17orf97;GEMIN4	0.288965	3.106952	0.002214	0.148156
	0.273517	3.106877	0.002215	0.148168
	0.336948	3.106496	0.002217	0.148256
	-0.41696	-3.10667	0.002216	0.148216
	0.384928	3.105659	0.002223	0.148316
MYO9A;THSD4 PCSK6	-0.17411	-3.10696	0.002214	0.148156
	-0.43214	-3.10742	0.002211	0.148027
	-0.54128	-3.10562	0.002224	0.148316
	-0.21786	-3.10625	0.002219	0.14826
	0.256293	3.105601	0.002224	0.148316
CPS1;MAP2 UBASH3A	0.150739	3.106389	0.002218	0.14826
	0.204828	3.105748	0.002223	0.148316
	0.331815	3.10376	0.002237	0.148588
	0.502096	3.106673	0.002216	0.148216
	0.366337	3.106296	0.002219	0.14826
FAM86JP;ALG1L TNRC6C;CBX2;TNRC6C-AS1;ENSG00000178404;C1QTNF1	0.196093	3.104421	0.002232	0.148477
	0.295222	3.10632	0.002219	0.14826
	0.445287	3.10498	0.002228	0.148423
	-0.25965	-3.10574	0.002223	0.148316
	0.248717	3.105794	0.002222	0.148316

EFCAB6;MCAT;TTLL1;BIK;CENPM;SMDT1;SCUBE1;EFCAB6-AS1;MPPED1;NAGA;A4GALT;ARFGAP3;CYB5R3;ATP5L2	-0.33351	-3.10504	0.002228	0.148423
	0.285438	3.105232	0.002226	0.148392
	-0.23306	-3.10596	0.002221	0.148316
	0.330759	3.104607	0.002231	0.148477
GIMAP5	-0.3876	-3.10469	0.00223	0.148477
	0.244421	3.105335	0.002226	0.148367
	0.390688	3.105588	0.002224	0.148316
	0.281409	3.105742	0.002223	0.148316
	-0.20392	-3.10497	0.002228	0.148423
	0.405717	3.104978	0.002228	0.148423
	-0.26493	-3.10537	0.002225	0.148367
LPXN;CTNND1;MPEG1	-0.48242	-3.10425	0.002233	0.148532
	0.281114	3.105376	0.002225	0.148367
SPATA24;DNAJC18;ECSCR;IK;CYSTM1;SLC23A1;TMEM173;NRG2;PAIP2;PURA;IGIP;TMCO6;MZB1	-0.30068	-3.10484	0.002229	0.148464
MXRA7;CYGB;RHBDF2;SYNGR2;TK1;SEC14L1;SEPT9	-0.44137	-3.10587	0.002222	0.148316
	-0.39261	-3.10577	0.002223	0.148316
	-0.36989	-3.10475	0.00223	0.148477
	0.191133	3.103427	0.002239	0.148672
	-0.41538	-3.10445	0.002232	0.148477
	0.220736	3.104424	0.002232	0.148477
CPEB4;ERGIC1	0.319227	3.103731	0.002237	0.148588
HSBP1;ENSG00000262601	-0.3174	-3.10374	0.002237	0.148588
	-0.4322	-3.10421	0.002234	0.148532
	0.307432	3.103918	0.002236	0.148588
	0.3201	3.102975	0.002243	0.148786
	-0.30401	-3.10338	0.00224	0.148672
CUEDC1	0.366806	3.104484	0.002232	0.148477
	0.141309	3.102323	0.002247	0.148786
	-0.31398	-3.10265	0.002245	0.148786
	0.366792	3.103252	0.002241	0.148694
	-0.381	-3.10251	0.002246	0.148786
	0.310608	3.104541	0.002231	0.148477
	0.300536	3.1037	0.002237	0.148588
STK10	-0.4782	-3.10247	0.002246	0.148786
	0.276592	3.102116	0.002249	0.148786
	-0.49655	-3.10375	0.002237	0.148588
	0.357949	3.104003	0.002235	0.148588
LAMB1;NRCAM	-0.33002	-3.10224	0.002248	0.148786
LINC00482;NOTUM;OGFOD3	-0.33699	-3.10393	0.002236	0.148588
HAAO;OXER1;FTOP1;DYNC2LI1;THADA;PLEKHH2;ENSG00000230587;ZFP36L2;ENSG00000231826;PPM1B	-0.49257	-3.10229	0.002247	0.148786
	-0.3574	-3.1021	0.002249	0.148786
SFMBT2;ENSG00000232807	-0.56752	-3.10348	0.002239	0.148668
	0.279981	3.102349	0.002247	0.148786

LINC00885	0.204492	3.101992	0.00225	0.148786
STK4;WFDC2;YWHAB;TP53RK;SNX21;DNTTIP1;SYS1	0.319493	3.102599	0.002245	0.148786
HS3ST1;ENSG00000251152	-0.44995	-3.10127	0.002255	0.148937
	0.36765	3.102055	0.002249	0.148786
	-0.18927	-3.10239	0.002247	0.148786
CTNNA1;ECSCR	-0.30536	-3.10323	0.002241	0.148694
	0.234452	3.10207	0.002249	0.148786
	0.252569	3.102895	0.002243	0.148786
BAIAP2;WDR45B	-0.26742	-3.10194	0.00225	0.148786
	0.439969	3.101967	0.00225	0.148786
	0.304902	3.101577	0.002253	0.148832
	-0.39005	-3.10199	0.00225	0.148786
	0.376894	3.101843	0.002251	0.148786
	-0.47244	-3.09981	0.002265	0.149193
	-0.40182	-3.10219	0.002248	0.148786
GPR65	-0.34429	-3.10192	0.00225	0.148786
CENPU;CASP3	0.703737	3.101893	0.00225	0.148786
	0.408594	3.101539	0.002253	0.148832
	-0.33014	-3.10165	0.002252	0.148826
COL6A1;COL18A1-AS1;COL18A1-AS2;COL18A1;ADARB1;COL6A2	0.294657	3.101895	0.00225	0.148786
	-0.23177	-3.10094	0.002257	0.149046
AP4M1;ZKSCAN1;ZNF3;ZCWPW1;BUD31;KPNA7	0.251368	3.100104	0.002263	0.149147
	0.340057	3.101781	0.002251	0.148786
	-0.3956	-3.09991	0.002265	0.149193
ERBB2;ENSG00000264198	-0.41012	-3.10102	0.002257	0.149032
	-0.36719	-3.10178	0.002251	0.148786
	0.374489	3.10029	0.002262	0.149127
	0.167195	3.100785	0.002258	0.149084
	0.18947	3.099809	0.002265	0.149193
	0.264899	3.100564	0.00226	0.149084
	-0.47451	-3.09864	0.002274	0.149468
	-0.37912	-3.10016	0.002263	0.149147
	0.32075	3.100372	0.002261	0.149123
	0.40663	3.100148	0.002263	0.149147
	0.324202	3.100666	0.002259	0.149084
	0.398067	3.098337	0.002276	0.149507
CLYBL	-0.58133	-3.09975	0.002266	0.149193
DEF8	-0.43087	-3.10073	0.002259	0.149084
PALD1	0.303348	3.100526	0.00226	0.149084
PARK7;RERE;SLC45A1	0.383645	3.100612	0.00226	0.149084
HMHA1	0.313806	3.100348	0.002261	0.149123
	0.251177	3.099718	0.002266	0.149193
PSMG3;CHST12	-0.32535	-3.09958	0.002267	0.149221
SPI1	0.431432	3.099549	0.002267	0.149221
	-0.28504	-3.10065	0.002259	0.149084
	-0.32487	-3.09951	0.002267	0.149221

LACE1	0.324908	3.098563	0.002274	0.149468
	0.25422	3.099354	0.002269	0.149251
	0.28259	3.098815	0.002273	0.149463
	0.318551	3.098965	0.002271	0.149414
	-0.34419	-3.09869	0.002273	0.149468
LTB;HLA-DOA;C4A;GPSM3	-0.34109	-3.09936	0.002269	0.149251
ADAMTSL2;LINC00094;ENSG00000224992;C9orf9;GBGT1;AK8;				
C9orf171	-0.2928	-3.09803	0.002278	0.149576
	-0.17119	-3.09762	0.002281	0.149619
	0.312964	3.099761	0.002266	0.149193
P4HTM;CDHR4;DALRD3;IP6K1;NDUFAF3;NME6;ZNF589;TCTA;F				
BXW12;PLXNB1;ENSG00000223343;UCN2;PRKAR2A-AS1	-0.40646	-3.09564	0.002296	0.149901
ENSG00000248399;ENSG00000206113;ENSG00000249428;W				
HSC1;NOP14	-0.30281	-3.09851	0.002275	0.149468
P4HTM;CDHR4;DALRD3;TCTA;NDUFAF3;COL7A1;NME6;ZNF589				
;IP6K1	-0.2745	-3.09854	0.002275	0.149468
	0.24191	3.097949	0.002279	0.149576
LTF;TGM4;LZTFL1;ZDHHC3;KIF15;ZNF502	-0.34389	-3.09715	0.002285	0.149619
GRHL2;SPAG1;RGS22;RNF19A;ENSG00000253299	0.383348	3.096526	0.002289	0.149683
ENSG00000233178	0.388795	3.097027	0.002286	0.149619
	0.302791	3.098428	0.002275	0.149486
	0.317428	3.098211	0.002277	0.149544
	0.3608	3.097902	0.002279	0.149576
C11orf88;BTG4;PIH1D2;POU2AF1;MIR34C;BCO2;DLAT;ENSG00				
000254980;ENSG00000255093;DIXDC1;ENSG00000255428;EN				
SG00000255208;C11orf53;COLCA2;C11orf1;COLCA1;ENSG000				
00214264	-0.45458	-3.09633	0.002291	0.149733
	0.343353	3.098121	0.002278	0.149564
	0.321579	3.097716	0.002281	0.149619
	-0.42583	-3.09751	0.002282	0.149619
	-0.35386	-3.09664	0.002288	0.149661
	0.317907	3.096967	0.002286	0.149619
	0.229508	3.097649	0.002281	0.149619
	0.303197	3.097184	0.002284	0.149619
	0.276204	3.09545	0.002297	0.149915
	-0.2453	-3.09791	0.002279	0.149576
	0.289153	3.098649	0.002274	0.149468
	0.261496	3.096948	0.002286	0.149619
SPDEF;PSMB8;PHF1;SLC39A7;PFDN6;BAK1	-0.37454	-3.09769	0.002281	0.149619
	0.288824	3.09707	0.002285	0.149619
	-0.22031	-3.09697	0.002286	0.149619
	0.30859	3.097434	0.002283	0.149619
	0.333803	3.095651	0.002296	0.149901
	0.267697	3.09741	0.002283	0.149619
	0.327448	3.0948	0.002302	0.150131
SLC45A1;CAMTA1	-0.50426	-3.09709	0.002285	0.149619

ST6GALNAC1;SPHK1;SRSF2;SNHG16	0.359616	3.09622	0.002291	0.149761
	-0.36402	-3.09642	0.00229	0.149711
	0.34755	3.096894	0.002287	0.149622
TBC1D10C;CTSW;PITPNM1;RBM14	0.405915	3.096705	0.002288	0.149661
ZKSCAN1;ZNF3;ZNHIT1;AP4M1;ZCWPW1	-0.41182	-3.09747	0.002282	0.149619
	0.411667	3.09588	0.002294	0.149878
	0.295246	3.097065	0.002285	0.149619
	0.328787	3.095456	0.002297	0.149915
	-0.32881	-3.09697	0.002286	0.149619
FUT2;PLA2G4C;EHD2	0.329898	3.096835	0.002287	0.149627
	0.381561	3.096622	0.002289	0.149661
	-0.54236	-3.09608	0.002293	0.149806
TRAF4;TIAF1;IFT20;KIAA0100;TWF1P1	-0.32216	-3.09579	0.002295	0.1499
FAM174B	-0.42296	-3.09473	0.002302	0.150131
FLI1;ARHGAP32;TMEM45B;TP53AIP1;ETS1;SENCR	-0.44595	-3.09564	0.002296	0.149901
	-0.35699	-3.09551	0.002297	0.149915
	-0.27563	-3.09522	0.002299	0.149981
ABHD2	0.323147	3.094583	0.002303	0.150138
	-0.34495	-3.09519	0.002299	0.149981
RASGRF1;DNAJA4;TBC1D2B;ADAMTS7;HMG20A;HYKK;ADAMT				
S7P3	0.335454	3.093652	0.00231	0.150464
	0.364453	3.095419	0.002297	0.149915
NOS3;REPIN1;CHPF2;CDK5;RARRES2;GIMAP8;GIMAP6;SMAR				
D3;GIMAP1	0.467619	3.094637	0.002303	0.150138
	-0.2898	-3.09475	0.002302	0.150131
	0.301425	3.09435	0.002305	0.150221
ENTPD1;ENTPD1-AS1	-0.38777	-3.09323	0.002313	0.150527
EHD3;ENSG00000235997;DPY30;YPEL5	0.296136	3.093457	0.002312	0.150488
JRKL;MTMR2	-0.30622	-3.09348	0.002312	0.150488
	0.330664	3.094155	0.002307	0.150291
	-0.33998	-3.09284	0.002316	0.150531
FTSJ2	0.250758	3.092777	0.002317	0.15054
PMEPA1	0.365902	3.094073	0.002307	0.150307
	0.358599	3.092861	0.002316	0.150531
	0.31427	3.092924	0.002316	0.150531
MFSD4;PIK3C2B	-0.51033	-3.09312	0.002314	0.150527
	-0.43363	-3.09311	0.002314	0.150527
EVI5	-0.53756	-3.09457	0.002304	0.150138
	-0.43131	-3.09322	0.002314	0.150527
NT5DC2	-0.37471	-3.09226	0.002321	0.150681
	-0.5451	-3.09393	0.002308	0.150354
RASAL3;SYDE1;NWD1;ENSG00000267275	-0.41213	-3.09315	0.002314	0.150527
	-0.19406	-3.09359	0.002311	0.150471
NABP1;MFSD6;INPP1;SDPR	-0.39532	-3.09309	0.002314	0.150527
	0.412786	3.091452	0.002327	0.150866
	0.284634	3.092945	0.002316	0.150531
PIGP;CBR1	-0.52141	-3.09248	0.002319	0.150639

	0.316887	3.090769	0.002332	0.15091
GPR124;FGFR1;RAB11FIP1;TACC1;DDHD2;ERLIN2	-0.42937	-3.09239	0.00232	0.150658
KIF26A;INF2;KIAA0125;AHNAK2	-0.39775	-3.09083	0.002331	0.15091
	-0.29238	-3.09259	0.002318	0.150607
CES3;B3GNT9;ACD	-0.30087	-3.09145	0.002327	0.150866
ALDH3B1	0.333582	3.092245	0.002321	0.150681
	-0.30599	-3.09204	0.002322	0.150759
POLD3;UCP2;PLEKHB1;DNAJB13;C2CD3;PPME1;PGM2L1;ENSG00000255847;KCNE3;ENSG00000254837;SLCO2B1	-0.41422	-3.09051	0.002334	0.150969
	0.133286	3.091432	0.002327	0.150866
	0.219525	3.091327	0.002328	0.150893
ENSG00000264198;IKZF3;PLXDC1;ERBB2	-0.26642	-3.09302	0.002315	0.150531
RBMS3	0.390658	3.09155	0.002326	0.150866
	0.344969	3.091481	0.002326	0.150866
ITGAE;ASPA	-0.40493	-3.09185	0.002324	0.150826
TTC28	0.39208	3.091634	0.002325	0.150866
HN1L;SOX8;RGS11;NME4;POLR3K;ENSG00000260051;UNKL	-0.30978	-3.09112	0.002329	0.15091
SKAP1;PRR15L;HOXB4;HOXB3;ITGB3	-0.2548	-3.09077	0.002332	0.15091
	-0.30558	-3.09027	0.002335	0.151029
NRXN2;SLC25A45;RASGRP2;SYVN1;MAP4K2;CTSW;CCDC88B;O				
VOL1	0.33507	3.09103	0.00233	0.15091
PRKCB;ARHGAP17	-0.49451	-3.0917	0.002325	0.150866
FAM83H-AS1;RHPN1-				
AS1;ARHGAP39;ENSG00000254973;FAM83H;MAPK15;RHPN1;				
MIR4664;PYCRL;TOP1MT;ZNF623;C8orf31;EEF1D	-0.38561	-3.09079	0.002331	0.15091
	-0.44577	-3.08967	0.00234	0.151029
TTC28	-0.33006	-3.09086	0.002331	0.15091
	0.227324	3.089704	0.00234	0.151029
LRBA;DCLK2	-0.52489	-3.09123	0.002328	0.150897
	0.298454	3.090157	0.002336	0.151029
	-0.35623	-3.08956	0.002341	0.151058
ALS2CR12;AOX1;CFLAR;CASP8;ENSG00000252759	0.254671	3.091224	0.002328	0.150897
SKI;MEGF6;TP73-AS1;RER1	0.303128	3.090102	0.002337	0.151029
SUN1;HEATR2	0.336933	3.089709	0.00234	0.151029
	-0.32482	-3.08979	0.002339	0.151029
FND1;RSPH3	-0.29332	-3.09071	0.002332	0.150915
	0.177197	3.089714	0.00234	0.151029
CASZ1;ENSG00000234546;PEX14	-0.41181	-3.08884	0.002346	0.151142
CXCR2;SPEG;CXCR2P1;PNKD;TNS1	0.306367	3.091052	0.00233	0.15091
	-0.35952	-3.09096	0.00233	0.15091
HSPBP1;BRSK1;NAT14;DNAAF3;ZSCAN5A;ENSG00000267549;S				
SC5D;ZSCAN5D;ZNF580;LILRB1	0.305511	3.089758	0.002339	0.151029
ENSG00000005189	-0.39536	-3.09056	0.002333	0.150965
	0.324506	3.089274	0.002343	0.151082
ATP5O	0.544807	3.089485	0.002341	0.151072
ZNF354C;FLT4;ADAMTS2;RNF130	-0.42633	-3.08822	0.002351	0.151157



SELP;ATP1B1;SELL	-0.3281	-3.0879	0.002353	0.151208
	-0.27581	-3.08995	0.002338	0.151029
	0.314014	3.090366	0.002335	0.151013
	0.215183	3.089748	0.002339	0.151029
PIGR;PFKFB2;CD34;CD46;C1orf186;PLXNA2;DYRK3;CR1L	-0.47057	-3.08969	0.00234	0.151029
	0.338367	3.089954	0.002338	0.151029
	0.360986	3.089061	0.002344	0.151104
	-0.24215	-3.08985	0.002339	0.151029
TRNP1;MED18	-0.32736	-3.08936	0.002342	0.151082
	0.34626	3.086316	0.002365	0.15162
SERPINB9;SLC22A23;ENSG00000272320;ENSG00000233068	0.354319	3.089368	0.002342	0.151082
FAM198A;TRAK1;ZBTB47;ULK4;ZNF662;HHATL-AS1;CCDC13 PITPNM2;WDR66;LRRC43;SNRNP35 PCDH12	-0.4842	-3.08877	0.002347	0.151142
	-0.383	-3.08834	0.00235	0.151142
	0.252055	3.088825	0.002346	0.151142
	-0.27216	-3.08913	0.002344	0.151104
	0.20199	3.089219	0.002343	0.151085
	-0.21118	-3.08842	0.002349	0.151142
	-0.19202	-3.08778	0.002354	0.15123
	-0.3248	-3.08799	0.002352	0.151197
RPL26	0.300133	3.088444	0.002349	0.151142
CAMSAP1;EGFL7;GPSM1	-0.48381	-3.08871	0.002347	0.151142
	-0.30413	-3.08865	0.002347	0.151142
RHBDF2	-0.26688	-3.0893	0.002343	0.151082
	0.298292	3.089039	0.002345	0.151104
	0.263054	3.085824	0.002369	0.151675
PDCD6;TPPP;LPCAT1;TRIP13;NKD2;ZDHHC11B HSPA12A;GFRA1;ATRNL1	-0.58189	-3.08835	0.00235	0.151142
	-0.35637	-3.08835	0.00235	0.151142
	0.275979	3.087151	0.002359	0.151357
	-0.37626	-3.0887	0.002347	0.151142
	0.475125	3.088031	0.002352	0.151197
	0.358399	3.088315	0.00235	0.151142
	0.327601	3.086633	0.002363	0.151512
	0.292196	3.087878	0.002353	0.151208
IFFO1;NTF3 HES6	-0.31515	-3.08666	0.002362	0.151512
	0.325623	3.088297	0.00235	0.151142
	-0.42073	-3.08739	0.002357	0.151357
AAGAB;SMAD6 CUL2;CREM SEC23IP ATM FARP1;STK24;GPR183	-0.48865	-3.08863	0.002348	0.151142
	-0.26154	-3.08721	0.002358	0.151357
	0.380477	3.085546	0.002371	0.151708
	0.240697	3.087364	0.002357	0.151357
	0.322118	3.087155	0.002359	0.151357
	-0.55146	-3.08811	0.002352	0.151188
	0.371289	3.08702	0.00236	0.151394
	-0.52515	-3.08638	0.002364	0.151613
SLC2A8 HES2;ESPN;ICMT	-0.21415	-3.08664	0.002363	0.151512

	-0.57963	-3.08749	0.002356	0.151348
	-0.26539	-3.08587	0.002368	0.151675
	0.299506	3.085474	0.002371	0.151708
	-0.28725	-3.08714	0.002359	0.151357
ARHGAP9	-0.28824	-3.08536	0.002372	0.151708
	0.308129	3.08722	0.002358	0.151357
	-0.33438	-3.08611	0.002367	0.151672
ARHGEF10;MYOM2	0.337669	3.085875	0.002368	0.151675
CIR1;GPR155;CHN1	-0.46607	-3.08486	0.002376	0.151755
ST6GALNAC1	0.268401	3.08491	0.002376	0.151754
	0.328934	3.086066	0.002367	0.151672
LCNL1;PTGDS	-0.4549	-3.08551	0.002371	0.151708
	0.249159	3.085863	0.002368	0.151675
	0.34346	3.086215	0.002366	0.151646
	0.328828	3.084803	0.002376	0.151758
OLFM1;GPSM1;COL5A1;EGFL7;NOTCH1;C9orf163	-0.27814	-3.08563	0.00237	0.151708
	-0.27327	-3.08438	0.00238	0.151804
SH3BP2;STX18;TMEM128;FAM193A	-0.32921	-3.08525	0.002373	0.151708
	0.329245	3.085528	0.002371	0.151708
	0.218851	3.084395	0.002379	0.151804
	0.413763	3.085094	0.002374	0.151733
	-0.17753	-3.08503	0.002375	0.151739
NXN;GEMIN4;PITPNA;MYO1C;SLC43A2;INPP5K;ENSG00000262003	0.491257	3.083557	0.002386	0.151894
IL23R;IL12RB2	-0.4734	-3.08563	0.00237	0.151708
	0.232709	3.084399	0.002379	0.151804
	0.248187	3.084532	0.002378	0.151804
	-0.31072	-3.08511	0.002374	0.151733
ANKH;RBBP4P1;DNAH5	-0.52959	-3.08528	0.002373	0.151708
EFHC1;GSTA1;TRAM2;ENSG00000216775;GSTA7P;GSTA3;GSTA2	-0.45645	-3.08476	0.002377	0.151758
	-0.22036	-3.08415	0.002381	0.151827
	0.403537	3.085267	0.002373	0.151708
	0.240659	3.084148	0.002381	0.151827
	0.420688	3.08353	0.002386	0.151894
DOC2B	0.258378	3.084956	0.002375	0.151754
CSF2RB;MFNG;CYTH4;SH3BP1;NCF4	-0.28697	-3.08585	0.002368	0.151675
	0.334381	3.083123	0.002389	0.151894
	-0.71445	-3.08397	0.002383	0.151852
	-0.31846	-3.08244	0.002394	0.15199
	0.337836	3.083349	0.002387	0.151894
	0.323961	3.083986	0.002383	0.151852
	-0.29728	-3.08415	0.002381	0.151827
	-0.34847	-3.08432	0.00238	0.151813
MXRA8;SKI;SSU72;ANKRD65;RER1;VWA1;NADK;PRDM16;AURK				
AIP1	-0.37599	-3.08308	0.002389	0.151894
	0.372419	3.083616	0.002385	0.151894

SLC43A2;PITPNA;INPP5K	0.39666	3.085239	0.002373	0.151708
	0.353964	3.083255	0.002388	0.151894
FENDRR;FOXF1	0.354738	3.083567	0.002386	0.151894
	-0.20643	-3.08448	0.002379	0.151804
SLC9A4;SLC9A2	-0.35664	-3.08242	0.002394	0.15199
	0.312918	3.082677	0.002393	0.15199
SLIT3	0.333999	3.083124	0.002389	0.151894
HMHA1	-0.40155	-3.0847	0.002377	0.151763
	0.440983	3.083832	0.002384	0.151888
	0.266844	3.083245	0.002388	0.151894
	-0.23644	-3.08245	0.002394	0.15199
ITGB2;COL6A1;ADARB1;COL6A2;COL18A1	-0.41907	-3.08305	0.00239	0.151894
	0.369858	3.08331	0.002388	0.151894
	-0.35788	-3.08252	0.002394	0.15199
	-0.21482	-3.08258	0.002393	0.15199
	0.349115	3.082236	0.002396	0.15205
	-0.3066	-3.08379	0.002384	0.151888
	-0.19358	-3.08338	0.002387	0.151894
	0.353164	3.081789	0.002399	0.152144
ENSG00000260432;GRIN2A	-0.54066	-3.08339	0.002387	0.151894
TPRXL;TMEM40;VN1R21P;C3orf83;CHCHD4;FBLN2	-0.4027	-3.08395	0.002383	0.151852
	-0.43009	-3.08282	0.002391	0.151948
	-0.29768	-3.08197	0.002398	0.152133
	-0.32654	-3.08118	0.002404	0.152255
WDR49;EGFEM1P	-0.40316	-3.08126	0.002403	0.152255
CENPU;CASP3	0.29602	3.080818	0.002407	0.152296
DNPH1;TCTE1;RSPH9;LRRC73;CNPY3;KLC4;PEX6;CUL7;SRF;GN				
MT;ENSG00000272442;SPATS1;CAPN11;HSP90AB1	-0.35648	-3.08303	0.00239	0.151894
IQCG;LMLN;BDH1	-0.46989	-3.08331	0.002388	0.151894
	0.278648	3.082406	0.002395	0.15199
FMNL1;ENSG00000267121;PLCD3	-0.22338	-3.08297	0.00239	0.151897
	0.357373	3.081834	0.002399	0.152144
	0.326238	3.081142	0.002404	0.152255
	-0.28735	-3.07835	0.002426	0.152705
	0.322682	3.08154	0.002401	0.152206
	0.287634	3.081762	0.002399	0.152144
HOXB4;HOXB-				
AS2;HOXB3;TBKBP1;PRR15L;HOXB6;MIR10A;HOXB-				
AS3;NPEPPS;CALCOCO2	-0.3398	-3.08097	0.002406	0.152255
SIRPA;TGM3;HSPA12B;CPXM1;ADAM33;SLC4A11	0.232988	3.081679	0.0024	0.152161
	0.366287	3.081292	0.002403	0.152255
RASL12;SNX1;SLC51B;ZNF609;PARP16;RBPMS2	0.266977	3.081112	0.002404	0.152255
SNORA74A	0.144988	3.081828	0.002399	0.152144
	0.25706	3.079753	0.002415	0.152522
CEACAM5;AXL;CEACAM6;ARHGEF1;GRIK5;CXCL17;TGFB1;CEAC				
AM7	-0.31649	-3.08199	0.002398	0.152133
	0.166087	3.080012	0.002413	0.15245

	0.381979	3.080723	0.002407	0.152308
	-0.65861	-3.08017	0.002412	0.152439
	-0.32289	-3.08033	0.00241	0.152406
	-0.23705	-3.08113	0.002404	0.152255
	0.289406	3.081027	0.002405	0.152255
	0.473113	3.08101	0.002405	0.152255
	0.368108	3.08147	0.002402	0.152218
MYO5B;SMAD7;ENSG00000267322	0.585888	3.078458	0.002425	0.152705
TACR1;HK2;ENSG00000234521	-0.23063	-3.08012	0.002412	0.152439
	-0.39723	-3.08059	0.002408	0.152329
	-0.32737	-3.07982	0.002414	0.15252
	-0.17891	-3.07961	0.002416	0.152531
	-0.24159	-3.08063	0.002408	0.152329
	0.364853	3.080795	0.002407	0.152296
	-0.37948	-3.08037	0.00241	0.152406
	0.313045	3.079291	0.002418	0.152541
SHANK2;SHANK2-AS1;SHANK2-AS2	0.263953	3.078227	0.002427	0.152719
	0.131235	3.078724	0.002423	0.152669
	-0.53532	-3.08025	0.002411	0.152425
PSMG3-AS1;HEATR2;PDGFA;SUN1;ELFN1;FAM20C	-0.4292	-3.07786	0.002429	0.152771
	0.32069	3.078397	0.002425	0.152705
DPY19L2	-0.2459	-3.07972	0.002415	0.152522
	0.383463	3.079645	0.002416	0.152531
SLC2A10;TP53RK;SLC13A3	-0.36021	-3.07927	0.002419	0.152541
	-0.47961	-3.07923	0.002419	0.152541
	-0.32236	-3.07943	0.002417	0.152538
	-0.24326	-3.07886	0.002422	0.152647
	-0.24616	-3.07943	0.002417	0.152538
	0.36428	3.08008	0.002412	0.152439
	0.407008	3.079413	0.002417	0.152538
	0.36674	3.079174	0.002419	0.152541
DNPH1;PEX6;KLC4;MDFI;SRF;PRICKLE4;KLHDC3;CNPY3;TRERF1; CUL7;C6orf226	-0.43264	-3.07832	0.002426	0.152705
	0.337535	3.078204	0.002427	0.152719
FCHSD2;PPME1;DNAJB13;C2CD3;STARD10;UCP2	0.320552	3.079442	0.002417	0.152538
IL15;ENSG00000250698	0.450949	3.079208	0.002419	0.152541
FAM57A;RPH3AL;ENSG00000262003	-0.4551	-3.07813	0.002427	0.152734
	0.2571	3.078015	0.002428	0.152743
	0.249975	3.07876	0.002422	0.152669
	0.336101	3.078421	0.002425	0.152705
	0.35725	3.076975	0.002436	0.153047
GAPVD1	0.412943	3.078382	0.002425	0.152705
PGD;ANGPTL7;CASZ1	-0.47791	-3.07808	0.002428	0.152736
ZNF362	-0.30843	-3.07836	0.002426	0.152705
KIAA0513	0.341408	3.077683	0.002431	0.152837
	0.368697	3.078865	0.002422	0.152647
TTC7B	-0.32216	-3.07746	0.002433	0.152923

SUN1;HEATR2;PDGFA;PSMG3- AS1;FAM20C;ELFN1;PRKAR1B;PSMG3;ENSG00000242474;CYP2 W1;GPR146;ENSG00000249852	-0.52638 0.31878	-3.07686 3.076763	0.002437 0.002438	0.153077 0.153077
TNXB;SLC44A4;LY6G5C;DDAH2;C6orf10;ENSG00000225914;DD R1;VWA7;NOTCH4	-0.31451 -0.31405	-3.0768 -3.07655	0.002438 0.00244	0.153077 0.153108
DNAJB12;MCU;SPOCK2	0.413034 -0.33665 0.491619 0.296698 0.316148 -0.21799 0.321477 -0.26171 0.148166 0.29343 -0.323	3.077119 -3.07713 3.077864 3.076727 3.076137 -3.07417 3.07573 -3.07697 3.075067 3.077337 -3.07555	0.002435 0.002435 0.002429 0.002438 0.002443 0.002458 0.002446 0.002436 0.002451 0.002433 0.002447	0.153021 0.153021 0.152771 0.153077 0.153206 0.153602 0.153343 0.153047 0.153457 0.15296 0.153343
HLA-DOA;TAP2;HLA-DMA	0.322259 0.291645	3.076497 3.076215	0.00244 0.002442	0.153108 0.153191
SNORA23 STK24	-0.34289 -0.30482	-3.07648 -3.0753	0.00244 0.002449	0.153108 0.153412
ENSG00000214067	0.396055 0.287185 0.348213	3.075438 3.075646 3.076414	0.002448 0.002447 0.002441	0.153367 0.153343 0.153116
TEAD2;VRK3;CPT1C;FUZ;ZNF473;MYH14 HHIPL1	-0.30844 -0.39962 -0.37385 0.332404 -0.17822 0.355133 0.288212 0.488224 0.243894	-3.0756 -3.07507 -3.07553 3.075537 -3.07444 3.073351 3.07607 3.074788 3.0765	0.002447 0.002451 0.002447 0.002447 0.002456 0.002464 0.002443 0.002453 0.00244	0.153343 0.153457 0.153343 0.153343 0.153585 0.153665 0.153216 0.153486 0.153108
DMRTA2;TTC39A	-0.8153	-3.07525	0.00245	0.153415
DUOXA1;DUOX1;GATM;DUOX2 ANXA6;PDGFRB;MYOZ3;SYNPO;SPARC;ARSI;ENSG0000024903 5	0.346291 -0.28716	3.074959 -3.0749	0.002452 0.002452	0.153469 0.153469
PFKFB2;CD34;DYRK3;PIGR PGD;FBXO6;KIF1B;APITD1	-0.36215 0.448956	-3.07265 3.074685	0.00247 0.002454	0.153733 0.153486
FHAD1;ENSG00000228140;HSPB7;FBLIM1;KAZN;DNAJC16	0.368471 0.366766	3.073901 3.074696	0.00246 0.002454	0.153621 0.153486
IL23R	0.431771	3.073388	0.002464	0.153665
HAAO;PLEKHH2;MTA3;ENSG00000229695;OXER1;ENSG000002 31826;ENSG00000230587 YWHAZ	-0.49361 0.545338	-3.07369 3.074703	0.002462 0.002454	0.153665 0.153486

	-0.37187	-3.07431	0.002457	0.153599
	-0.26001	-3.07421	0.002458	0.153602
	0.274451	3.074921	0.002452	0.153469
	-0.30204	-3.07397	0.00246	0.153621
ENSG00000272520;MTRR;SRD5A1	0.316954	3.073976	0.00246	0.153621
	0.337889	3.073033	0.002467	0.153731
SLC37A1;CSTB;CBS;ICOSLG;PDE9A;ENSG00000225331	-0.48428	-3.07326	0.002465	0.153665
	-0.36832	-3.07439	0.002456	0.153585
	0.247489	3.073388	0.002464	0.153665
	0.347342	3.073271	0.002465	0.153665
	-0.28698	-3.07412	0.002458	0.153603
	0.333826	3.073292	0.002465	0.153665
TCP11L1;PIGCP1	-0.28041	-3.07332	0.002465	0.153665
NRROS;LRCH3;DLG1;BDH1	-0.35593	-3.07286	0.002468	0.153733
	0.238707	3.074269	0.002457	0.153599
ZNF259	-0.23298	-3.07261	0.00247	0.153733
DHX32;BCCIP;FANK1;ADAM12;LHPP;UROS	0.495606	3.07337	0.002464	0.153665
	0.25284	3.071312	0.00248	0.153905
ENSG00000260682;PLCG2;CDYL2;C16orf46	-0.29116	-3.07354	0.002463	0.153665
PYCARD;ITGAL;ITGAX	-0.72069	-3.07393	0.00246	0.153621
	0.300848	3.073092	0.002466	0.153725
GAS8;ENSG00000260259;SPATA33;GALNS;PIEZO1;C16orf3;CYB				
A	-0.33089	-3.07285	0.002468	0.153733
HMHA1;GNG7;TCF3;ARID3A	-0.39393	-3.07348	0.002463	0.153665
PHLPP1	0.232939	3.073318	0.002465	0.153665
	0.233047	3.072669	0.00247	0.153733
STK33;C11orf16;TUB;AKIP1;ENSG00000252778;DENND5A;ENS				
G00000248332;WEE1;SBF2	-0.57752	-3.07018	0.002489	0.153931
C14orf79;ADSSL1;INF2;CDCA4	-0.42791	-3.07146	0.002479	0.153905
	-0.35174	-3.07092	0.002484	0.153921
IKZF1	0.415437	3.072399	0.002472	0.153816
	-0.27042	-3.07053	0.002487	0.153931
	0.28401	3.070669	0.002486	0.153931
KIF18B;ITGA2B	-0.28399	-3.07281	0.002469	0.153733
	-0.43659	-3.0713	0.002481	0.153905
NFIX;PODNL1;ENSG00000267610;NACC1;ZNF136	-0.28971	-3.07071	0.002485	0.153931
	0.296823	3.070261	0.002489	0.153931
	0.348325	3.072104	0.002474	0.153905
	-0.40137	-3.07198	0.002475	0.153905
SKI;PRKCZ	-0.48658	-3.07144	0.002479	0.153905
	-0.52863	-3.07286	0.002468	0.153733
	-0.42662	-3.07132	0.00248	0.153905
	0.296485	3.072718	0.002469	0.153733
	-0.25313	-3.07201	0.002475	0.153905
PMP22	-0.40748	-3.07127	0.002481	0.153905
	0.210673	3.072132	0.002474	0.153905
	-0.32453	-3.07267	0.00247	0.153733

LRRC56;RASSF7	0.367558	3.071095	0.002482	0.153905
	0.375062	3.071179	0.002481	0.153905
WDR45B;NOTUM;PCYT2;METRNL;MAFG-AS1;LRRC45;CCDC57	-0.37465	-3.0713	0.002481	0.153905
	0.217366	3.071473	0.002479	0.153905
WDR54;RTKN;ALMS1;C2orf81;TTC31;BOLA3;FBXO41;CCDC142;MOGS;TACR1;HTRA2;LOXL3;MOB1A;DGUOK;ENSG00000234521;HK2	-0.46992	-3.07162	0.002478	0.153905
	0.311411	3.070203	0.002489	0.153931
ENSG00000267288	0.23702	3.071611	0.002478	0.153905
	0.348885	3.070696	0.002485	0.153931
HCP5;HLA-B;HLA-C	-0.41522	-3.07204	0.002475	0.153905
	0.356746	3.071345	0.00248	0.153905
LCN2	0.268679	3.06961	0.002494	0.153955
	0.223936	3.069368	0.002496	0.153962
PTGDS;LCNL1	0.380965	3.07035	0.002488	0.153931
	0.267385	3.069258	0.002497	0.153966
NUDT8;DPP3;ALDH3B2	0.217861	3.071072	0.002482	0.153905
	0.28996	3.071532	0.002479	0.153905
PPP1R26-AS1;ENSG00000264527;LCNL1;C9orf116;UBAC1;UAP1L1;SNHG7;PTGDS;ENSG00000233936;GPSM1;OLFM1	-0.3452	-3.07122	0.002481	0.153905
	-0.30169	-3.07163	0.002478	0.153905
TBC1D10C;ALDH3B1	0.259589	3.070201	0.002489	0.153931
	-0.38477	-3.07189	0.002476	0.153905
SLC2A3;CLSTN3;SCNN1A;IFFO1;ENSG00000256967	0.266844	3.071104	0.002482	0.153905
	0.348047	3.070267	0.002489	0.153931
HLA-F;PPP1R10	-0.3186	-3.0709	0.002484	0.153921
	-0.19247	-3.06987	0.002492	0.153943
ATP8B2	0.304671	3.069605	0.002494	0.153955
	0.346968	3.070855	0.002484	0.153921
FN3K;CD7	-0.56624	-3.07044	0.002487	0.153931
	-0.33996	-3.0712	0.002481	0.153905
RASL12;SLC51B;MAP2K1	-0.33283	-3.07086	0.002484	0.153921
	0.212161	3.068595	0.002502	0.154085
RPS2P32	0.389835	3.069987	0.002491	0.153931
	0.327469	3.070057	0.00249	0.153931
ENSG00000233006	0.209629	3.069345	0.002496	0.153962
	0.205005	3.069418	0.002495	0.153962
EGFL7	-0.20225	-3.07017	0.002489	0.153931
	0.323691	3.070227	0.002489	0.153931
BCCIP;DHX32;FANK1;CTBP2	0.553719	3.070345	0.002488	0.153931
	-0.34799	-3.06788	0.002508	0.154153
PRR26	-0.58505	-3.06978	0.002493	0.153943
	0.41135	3.069762	0.002493	0.153943
	0.31375	3.069577	0.002494	0.153955
	0.350053	3.069553	0.002494	0.153955

	-0.24931	-3.06984	0.002492	0.153943
	-0.37237	-3.07006	0.00249	0.153931
NHSL1;HEBP2;REPS1;KIAA1244;PERP;ENSG00000220600;ENSG00000220412	-0.4315	-3.06799	0.002507	0.154139
	0.264312	3.07008	0.00249	0.153931
ENTPD7;CHUK;BLOC1S2	0.296456	3.068771	0.002501	0.154085
NXPH3;COL1A1;MBTD1	0.329703	3.068581	0.002502	0.154085
	0.225384	3.069461	0.002495	0.153962
IGF2BP2	0.385151	3.069968	0.002491	0.153931
ADH7;ADH1B;DDIT4L;EMCN;METAP1;DAPP1	-0.42669	-3.06931	0.002496	0.153962
	0.32545	3.068984	0.002499	0.154055
	0.237298	3.068326	0.002504	0.154111
	-0.18449	-3.06848	0.002503	0.154085
TTC5;CCNB1IP1	0.276454	3.067807	0.002508	0.154164
	0.310519	3.067523	0.00251	0.154192
WNT9A	-0.28003	-3.06883	0.0025	0.154084
LINC00511;SSTR2	-0.48508	-3.06708	0.002514	0.15432
C15orf26;ARNT2	0.439656	3.068726	0.002501	0.154085
	0.372198	3.068908	0.002499	0.15407
FUOM	-0.43093	-3.06847	0.002503	0.154085
	0.452843	3.068343	0.002504	0.154111
	0.312383	3.069002	0.002499	0.154055
	0.364404	3.067001	0.002515	0.154337
	0.294128	3.06863	0.002502	0.154085
DNAJC16;KAZN;DDI2;FBLIM1	-0.31893	-3.06592	0.002523	0.154539
IGHM;IGHA1;IGHV3-21;KIAA0125;IGHV3-23;IGHV4-39;IGHV3-15;IGHJ3P;JAG2;IGHG2;C14orf79;INF2;IGHA2	-0.30227	-3.06756	0.00251	0.154192
	-0.33776	-3.06807	0.002506	0.154124
	-0.20569	-3.06768	0.002509	0.154182
ADAMTSL2;SARDH;MED22;GBGT1;C9orf171;C9orf9;AK8;DBH-AS1	0.255267	3.06817	0.002505	0.15412
HLA-F;HLA-A;HLA-E	-0.48254	-3.06851	0.002503	0.154085
IL32;GLIS2;ENSG00000262370	-0.34886	-3.06819	0.002505	0.15412
	-0.41822	-3.06637	0.00252	0.154466
PCED1B-AS1;PCED1B;ANO6	-0.36068	-3.06672	0.002517	0.154402
	0.28786	3.067608	0.00251	0.154192
	0.238593	3.066687	0.002517	0.154402
F10	-0.29054	-3.06747	0.002511	0.154194
ENSG00000232756;CCDC146;PTPN12	0.500616	3.066721	0.002517	0.154402
RAB3IL1;MS4A8;FADS3;FADS2;AHNAK;PPP1R32	-0.47405	-3.06811	0.002506	0.154124
DEFB1	-0.51124	-3.06821	0.002505	0.15412
	0.479422	3.067916	0.002507	0.154153
ENSG00000229605	-0.26153	-3.06723	0.002513	0.154289
	-0.36209	-3.06656	0.002518	0.15442
ZNF19;ZNF23	-0.27237	-3.06558	0.002526	0.154632
CARD8	-0.50799	-3.06773	0.002509	0.15418
LINC00930	0.336982	3.066607	0.002518	0.154419



RER1	0.362163	3.066894	0.002515	0.154367
ENSG00000223561;MPP6;OSBPL3	-0.40193	-3.06647	0.002519	0.15444
PITPNM2;HCAR2;CLIP1;GTF2H3;ZNF664;FAM101A	-0.47508	-3.06632	0.00252	0.154469
	0.371155	3.065734	0.002525	0.15459
	0.343736	3.067112	0.002514	0.15432
	0.121614	3.066057	0.002522	0.154528
	0.284975	3.064515	0.002534	0.154787
ISLR	-0.40222	-3.06591	0.002523	0.154539
	-0.25485	-3.06571	0.002525	0.15459
WNT2B;KCND3;DENND2D;ENSG00000231246;WDR77;KCND3-AS1	0.304044	3.066022	0.002522	0.154528
	0.225405	3.066209	0.002521	0.15448
	0.2542	3.064751	0.002533	0.154787
	-0.46533	-3.06494	0.002531	0.154787
	-0.29673	-3.06454	0.002534	0.154787
	0.274007	3.064153	0.002537	0.154824
POLD3;PGM2L1;ARHGEF17;UCP2;ENSG00000254837;C2CD3;DNAJB13;PLEKHB1;MRPL48;KCNE3	-0.29452	-3.06433	0.002536	0.154801
LYNX1	-0.4779	-3.06628	0.00252	0.154469
INTS4L1;TPST1;ENSG00000229064;ENSG00000237026	-0.38927	-3.06474	0.002533	0.154787
	0.254915	3.064626	0.002534	0.154787
MRPL37;TTC22;CPT2;MROH7;YIPF1	0.359508	3.062847	0.002548	0.155114
	0.278578	3.065	0.002531	0.154787
RASGRP3	-0.3455	-3.06511	0.00253	0.154787
NR3C1	0.385445	3.064766	0.002532	0.154787
	-0.36428	-3.06423	0.002537	0.154824
	-0.28041	-3.06506	0.00253	0.154787
	-0.22632	-3.06418	0.002537	0.154824
	0.420353	3.064838	0.002532	0.154787
LIPH	-0.35705	-3.06463	0.002534	0.154787
	-0.32568	-3.06446	0.002535	0.154787
	0.352393	3.064869	0.002532	0.154787
	-0.32741	-3.06481	0.002532	0.154787
	0.454349	3.065026	0.00253	0.154787
	-0.24062	-3.06404	0.002538	0.154856
	-0.28257	-3.06444	0.002535	0.154787
CCDC64B;CLUAP1;ENSG00000205890;ENSG00000272079;IL32	0.615174	3.064487	0.002535	0.154787
	-0.26265	-3.06365	0.002541	0.154961
	0.313814	3.06323	0.002545	0.15509
TTBK2;TP53BP1;EPB42;ZNF106;CCNDBP1;TYRO3	-0.36044	-3.06266	0.002549	0.155136
RQCD1;TNS1;ENSG00000224414;STK36;TTLL4;DIRC3;GLB1L;STK16	-0.38958	-3.06192	0.002555	0.155257
	-0.35128	-3.06334	0.002544	0.15509
LRRC27;TTC40;TUBGCP2;KNDC1	-0.41259	-3.06288	0.002548	0.155114
	0.432355	3.064408	0.002535	0.154787
	-0.2398	-3.06272	0.002549	0.155136

	0.3993	3.062306	0.002552	0.155245
	0.348855	3.062254	0.002553	0.155245
PLAC8;AGPAT9	-0.37361	-3.06298	0.002547	0.155112
WDR66;MORN3;LRRC43;UNC119B;TMEM120B;KNTC1;VPS33A				
;ENSG00000256546;CAMKK2;ANAPC5;BCL7A;ZCCHC8;P2RX7;O				
RAI1	-0.46895	-3.06101	0.002563	0.155384
	0.326361	3.062216	0.002553	0.155245
HN1L;NME4;UNKL;ENSG00000196674;SOX8;TMEM204;IFT140;				
CCDC78;NHLRC4;ENSG00000260807;ENSG00000261659;HAG				
H;CACNA1H	-0.47482	-3.06372	0.002541	0.154946
	0.200262	3.063963	0.002539	0.154873
	0.2669	3.063196	0.002545	0.15509
KIF21B;PTPN7;UBE2T;PPP1R12B	0.276171	3.061982	0.002555	0.155257
ENSG00000254561;CBL;USP2-				
AS1;PDZD3;MCAM;USP2;ENSG00000254590	0.352119	3.063784	0.00254	0.154939
	0.34356	3.061862	0.002556	0.155257
HES2;ESPN;CAMTA1;CHD5;ICMT	-0.35248	-3.06181	0.002556	0.155257
	0.288914	3.06316	0.002545	0.15509
C14orf79;ADSSL1;AHNAK2	-0.33314	-3.06143	0.002559	0.155263
NUDT1	0.389111	3.063022	0.002546	0.155112
FMN1	0.352473	3.061966	0.002555	0.155257
	-0.50396	-3.06321	0.002545	0.15509
	0.379782	3.062841	0.002548	0.155114
	0.315975	3.062619	0.00255	0.155136
CACNA1C;CACNA1C-IT3	-0.51105	-3.06164	0.002558	0.155263
	-0.22181	-3.06123	0.002561	0.155334
TTYH2;SLC9A3R1	-0.30174	-3.06147	0.002559	0.155263
	0.312118	3.062088	0.002554	0.155257
TP73	0.242365	3.062616	0.00255	0.155136
COL6A3	0.320029	3.060673	0.002565	0.155463
	-0.3433	-3.06303	0.002546	0.155112
SPIRE2;GAS8;ENSG00000260259;SPATA33;GALNS	-0.44708	-3.06182	0.002556	0.155257
	0.206324	3.061639	0.002558	0.155263
	0.470512	3.06186	0.002556	0.155257
	-0.30204	-3.06042	0.002568	0.155553
TSPAN17;FGFR4;COL23A1;LMAN2	0.508207	3.062215	0.002553	0.155245
	0.359128	3.060296	0.002569	0.155592
	0.145254	3.061772	0.002557	0.155257
	-0.21808	-3.06141	0.002559	0.155263
	0.552313	3.060988	0.002563	0.155384
	-0.34824	-3.06153	0.002559	0.155263
PNP;RNASE1;LINC00641;RPPH1;HNRNPC	-0.38218	-3.06065	0.002566	0.155463
	0.450722	3.059669	0.002574	0.155644
WDR45B;NOTUM	0.371755	3.059565	0.002574	0.155644
	0.20871	3.060694	0.002565	0.155463
	-0.22268	-3.06007	0.00257	0.155613
	0.302858	3.060224	0.002569	0.155606

CD300A;CD300LF	0.285063	3.061044	0.002562	0.155384
	-0.43449	-3.06174	0.002557	0.155257
	0.297252	3.060804	0.002564	0.155453
	0.281754	3.059686	0.002573	0.155644
ZNF566	0.417022	3.061431	0.002559	0.155263
	0.235096	3.059793	0.002573	0.155644
	0.200163	3.056851	0.002597	0.155994
SLC2A3;CLSTN3;IFFO1 ABI3;TBKBP1	-0.2667	-3.05895	0.002579	0.155789
	-0.34439	-3.05995	0.002571	0.155644
	0.327869	3.060168	0.00257	0.15561
	0.258044	3.060126	0.00257	0.15561
NR2F6;RASAL3;PLVAP;NWD1;DDA1	-0.26319	-3.05965	0.002574	0.155644
	-0.18016	-3.05897	0.002579	0.155789
	-0.33099	-3.05944	0.002575	0.155682
	-0.37591	-3.05925	0.002577	0.155744
	0.250935	3.058878	0.00258	0.155789
	0.291513	3.059044	0.002579	0.155789
	0.247831	3.058486	0.002583	0.15588
	-0.5186	-3.05824	0.002585	0.15588
SIPA1L2;ENSG00000143674 NRXN2;SLC25A45	0.219373	3.059843	0.002572	0.155644
	-0.29997	-3.05842	0.002584	0.15588
	-0.37374	-3.05917	0.002578	0.155749
	-0.30122	-3.05667	0.002598	0.156038
ZNF532;ATP8B1;NEDD4L	0.378714	3.059737	0.002573	0.155644
	-0.36923	-3.05819	0.002586	0.15588
	0.362839	3.059585	0.002574	0.155644
	0.26646	3.058868	0.00258	0.155789
SLC5A4;CPSF1P1	0.281317	3.059228	0.002577	0.155744
	0.283741	3.058524	0.002583	0.15588
	0.167377	3.059611	0.002574	0.155644
	-0.33144	-3.05824	0.002585	0.15588
CDH5;FAM65A;ATP6V0D1;CMTM4;TPPP3;FAM96B;RRAD;TME M208;ZDHHC1;PLEKHG4 TSG101;ZDHHC13;E2F8;HTATIP2;UEVLD;ENSG00000255308;EN SG00000255160	-0.31092	-3.05783	0.002589	0.155914
	-0.51276	-3.05791	0.002588	0.155914
	-0.3616	-3.0578	0.002589	0.155914
	0.234622	3.058562	0.002583	0.15588
	-0.33901	-3.05685	0.002597	0.155994
	-0.25464	-3.05751	0.002591	0.155941
SIGLEC8	-0.38291	-3.0577	0.00259	0.155914
	-0.31237	-3.05777	0.002589	0.155914
	0.199525	3.057621	0.00259	0.15592
	-0.45307	-3.05854	0.002583	0.15588
NRXN2;CDC42BPG;DNAJC4;BATF2;FERMT3;TRPT1	-0.25662	-3.05774	0.002589	0.155914
	PTGDS;C9orf163;GPSM1;UAP1L1;EGFL7;CAMSAP1;ENSG00000 264527;LCNL1;UBAC1;FAM166A;RNF224;NOTCH1;SLC34A3;M AN1B1;TUBB4B;INPP5E			
	-0.32712	-3.05783	0.002589	0.155914

	0.231093	3.056536	0.002599	0.156038
	-0.23275	-3.05833	0.002585	0.15588
	-0.31518	-3.05582	0.002605	0.156054
	0.283322	3.057374	0.002592	0.155976
	-0.25526	-3.05686	0.002597	0.155994
EFCAB13	0.271744	3.058018	0.002587	0.155914
	0.292114	3.056558	0.002599	0.156038
	-0.62294	-3.05768	0.00259	0.155914
NCKAP5;MGAT5	-0.41382	-3.05723	0.002594	0.155994
	-0.26849	-3.05749	0.002591	0.155941
	-0.4357	-3.05828	0.002585	0.15588
	0.262399	3.058216	0.002585	0.15588
	0.223879	3.056391	0.0026	0.156054
CAV1	-0.36185	-3.05587	0.002605	0.156054
	0.275347	3.056874	0.002596	0.155994
HIC1	0.274094	3.056552	0.002599	0.156038
	-0.27031	-3.05688	0.002596	0.155994
FBXO17;ZNF573;SPINT2;PPP1R14A;KCNK6;ENSG00000269486; RYR1;ENSG00000229481	-0.38111	-3.05716	0.002594	0.155994
	0.276599	3.05628	0.002601	0.156054
PAX8-AS1;PAX8	-0.35438	-3.05717	0.002594	0.155994
	-0.28743	-3.05603	0.002603	0.156054
	0.302168	3.056852	0.002597	0.155994
C3orf83	0.429347	3.056799	0.002597	0.155996
DEGS2	0.392784	3.057997	0.002587	0.155914
	-0.40822	-3.05538	0.002609	0.156171
SULT1A1;NPIP6;NUPR1;GTF3C1;KIAA0556	-0.34831	-3.05478	0.002614	0.156378
	0.249888	3.056326	0.002601	0.156054
B4GALNT4;IFITM1;TSPAN4	-0.32254	-3.05583	0.002605	0.156054
	-0.54349	-3.05685	0.002597	0.155994
LDLRAD1;ENSG00000197015;PODN;LRP8 ENSG00000196960;ZNF438	-0.47437	-3.05714	0.002594	0.155994
	-0.3921	-3.05518	0.00261	0.156201
	0.334713	3.056483	0.0026	0.156042
	-0.26326	-3.05601	0.002604	0.156054
PIGP;SIM2;DSCR3;CBR3-AS1	-0.5978	-3.05568	0.002606	0.156085
REC8	0.494435	3.054551	0.002616	0.156436
	0.177065	3.055246	0.00261	0.156193
LHFP	-0.44769	-3.05448	0.002616	0.156436
	-0.2553	-3.05625	0.002602	0.156054
SDC3;COL16A1;TINAGL1	-0.54874	-3.05448	0.002616	0.156436
	0.420576	3.05548	0.002608	0.156143
	0.276976	3.055887	0.002605	0.156054
	0.2249	3.055321	0.002609	0.156178
	0.43298	3.056101	0.002603	0.156054
ODF2L;DDAH1	0.312272	3.054001	0.00262	0.156436
PIGU;ERGIC3;EPB41L1	0.315618	3.055794	0.002605	0.156054
LBH;CAPN13;ENSG00000235997	0.256093	3.055858	0.002605	0.156054

CDH1;ESRP2;CIRH1A;HAS3	0.253523	3.054334	0.002617	0.156436
	-1.24284	-3.0558	0.002605	0.156054
	0.321373	3.054043	0.00262	0.156436
RFWD3	0.377036	3.055643	0.002607	0.156085
RASAL3	-0.48046	-3.05596	0.002604	0.156054
MIR143HG;MIR145;ENSG00000253864;MIR143;NDST1;CSNK1A1;ANXA6;PDGFRB	-0.28308	-3.05409	0.002619	0.156436
	-0.34742	-3.05365	0.002623	0.156523
	-0.49506	-3.05413	0.002619	0.156436
	-0.26662	-3.05304	0.002628	0.156673
EVC2;EVC;CCDC96;S100P;KIAA0232;CRMP1;PSAPL1;SORCS2	-0.2908	-3.05318	0.002627	0.156644
	-0.26464	-3.05428	0.002618	0.156436
	0.373239	3.054175	0.002619	0.156436
ENPP3;VNN3;VNN2;VNN1;EPB41L2;SLC18B1;STX7	-0.42145	-3.05436	0.002617	0.156436
	-0.30312	-3.05408	0.002619	0.156436
	0.254359	3.054349	0.002617	0.156436
	0.283794	3.053448	0.002625	0.156559
	0.278471	3.053865	0.002621	0.156481
TTN;NFE2L2	-0.31171	-3.05411	0.002619	0.156436
	-0.53811	-3.05207	0.002636	0.156804
	-0.29198	-3.05245	0.002633	0.156785
CDIP1	-0.64897	-3.05311	0.002628	0.15666
ENSG00000176593	-0.27784	-3.05369	0.002623	0.156523
IKBKAP;EPB41L4B	0.432112	3.054228	0.002618	0.156436
MKL1	-0.44385	-3.05184	0.002638	0.156863
	0.334564	3.053442	0.002625	0.156559
	0.405024	3.052367	0.002634	0.156785
DMRTA2	-0.64751	-3.05366	0.002623	0.156523
	0.279756	3.052987	0.002629	0.156675
	0.380595	3.052661	0.002631	0.156785
SNORA74A	-0.37001	-3.05241	0.002633	0.156785
	0.266978	3.052497	0.002633	0.156785
	0.403794	3.052081	0.002636	0.156804
ZNRD1-AS1;HCG18	0.28204	3.052663	0.002631	0.156785
	0.34914	3.053343	0.002626	0.156586
	-0.30101	-3.05353	0.002624	0.156559
TBC1D27	-0.39541	-3.05225	0.002635	0.156804
AKT3	0.277175	3.05245	0.002633	0.156785
LRRC59	-0.29466	-3.05132	0.002642	0.156894
	-0.29679	-3.05219	0.002635	0.156804
	0.372628	3.051936	0.002637	0.156846
CACNA2D2;BSN;LAMB2;AMT NUAK2;PIK3C2B;MDM4;TMEM81	0.257571	3.052439	0.002633	0.156785
	-0.15145	-3.0521	0.002636	0.156804
	0.251476	3.052459	0.002633	0.156785
	0.315626	3.051677	0.002639	0.156882
	0.234287	3.051322	0.002642	0.156894

	-0.19312	-3.05211	0.002636	0.156804
	0.456033	3.051813	0.002638	0.156863
	0.38074	3.050358	0.00265	0.157082
	0.372749	3.049998	0.002653	0.157123
	0.219986	3.049113	0.002661	0.157287
	-0.29691	-3.05107	0.002645	0.15694
C9orf169	0.283992	3.051553	0.00264	0.156894
	0.234319	3.049267	0.00266	0.157275
	-0.41562	-3.05076	0.002647	0.156994
	-0.42865	-3.05164	0.00264	0.156882
	0.395592	3.051211	0.002643	0.156904
	0.331735	3.051042	0.002645	0.15694
	0.20555	3.050763	0.002647	0.156994
EML1;WARS;EVL;CCDC85C;WDR25	-0.30718	-3.05165	0.00264	0.156882
	0.300742	3.051452	0.002641	0.156894
	-0.45028	-3.05131	0.002643	0.156894
	0.359554	3.049926	0.002654	0.157123
HLA-A	0.328954	3.050456	0.00265	0.157056
	0.214924	3.04999	0.002654	0.157123
MXRA8;LINC01128;ANKRD65;VWA1;ENSG00000223764;SSU72				
;SAMD11;TTLL10;TTLL10-				
AS1;C1orf222;RNF223;ENSG00000272106;FAM41C	-0.24417	-3.05046	0.00265	0.157056
	-0.32453	-3.0512	0.002643	0.156904
FBLN1;ENSG00000238120;ENSG00000273243	-0.33458	-3.0501	0.002653	0.157123
ENSG00000260807	-0.35794	-3.05087	0.002646	0.156994
TSPAN15;PALD1;HK1	0.331509	3.051393	0.002642	0.156894
	-0.51425	-3.05079	0.002647	0.156994
	-0.51569	-3.049	0.002662	0.157297
	0.286667	3.050708	0.002648	0.156996
MARVELD1;MORN4;SFRP5	-0.38633	-3.05142	0.002642	0.156894
	0.268002	3.050305	0.002651	0.157087
	0.241541	3.049584	0.002657	0.157226
TCF3	-0.37581	-3.04937	0.002659	0.157267
	0.166097	3.049497	0.002658	0.157226
	0.268702	3.049261	0.00266	0.157275
CASKIN2;TTYH2;GALK1;FDXR;SLC16A5;ICT1;SMIM5;SLC9A3R1;				
DNAI2	0.276983	3.04865	0.002665	0.157408
SHROOM3;FAM47E;SEPT11;CCNG2	0.36479	3.04891	0.002663	0.1573
WBSCR22;ABHD11;LINC00035;GTF2IP1	-0.35888	-3.0502	0.002652	0.15712
	0.301426	3.050478	0.002649	0.157056
	-0.47884	-3.04951	0.002658	0.157226
CHRM3-AS2;CHRM3	-0.38566	-3.04923	0.00266	0.157275
	0.258058	3.04993	0.002654	0.157123
	0.3127	3.049512	0.002658	0.157226
	0.277083	3.046763	0.002681	0.157705
	0.277969	3.048505	0.002666	0.157458
	-0.29919	-3.05011	0.002653	0.157123

HMG2P3	0.313838	3.049018	0.002662	0.157297
	0.234218	3.046204	0.002685	0.157811
	-0.34521	-3.04954	0.002657	0.157226
GPER1;GET4;ENSG00000224079	0.215579	3.047812	0.002672	0.157585
	-0.32745	-3.04918	0.00266	0.157276
CARS;MRPL23;IGF2;NAP1L4;TSSC2;ENSG00000255367 PRKCB;ENSG00000261266;ERN2	-0.35983	-3.04668	0.002681	0.157705
	-0.51324	-3.04835	0.002667	0.157494
	0.460822	3.048171	0.002669	0.157551
	-0.39672	-3.04744	0.002675	0.157701
	0.264847	3.047228	0.002677	0.157705
	0.226	3.046856	0.00268	0.157705
	-0.32413	-3.04725	0.002677	0.157705
	0.331058	3.047042	0.002678	0.157705
	0.473381	3.046178	0.002686	0.157811
	-0.31979	-3.04674	0.002681	0.157705
CDIPT;SULT1A1;C16orf54 FLT4;CNOT6;GFPT2;SCGB3A1	-0.5587	-3.04782	0.002672	0.157585
	-0.28342	-3.0481	0.002669	0.157551
	-0.51735	-3.04892	0.002663	0.1573
	0.427722	3.047747	0.002672	0.157595
	-0.22362	-3.04699	0.002679	0.157705
	0.30366	3.046074	0.002687	0.157841
	-0.31653	-3.04593	0.002688	0.157844
	-0.23775	-3.04794	0.002671	0.157563
AIF1L;ABL1;PPAPDC3	0.331304	3.046345	0.002684	0.157811
	-0.51828	-3.04834	0.002667	0.157494
	-0.38092	-3.0454	0.002692	0.157937
	0.22078	3.046224	0.002685	0.157811
	0.306475	3.04668	0.002681	0.157705
KIF9-AS1;KIF9;MAP4;PTH1R;NME6;ZNF589;LRRC2;SETD2 KIAA0922	-0.21291	-3.0443	0.002702	0.158166
	0.239769	3.047387	0.002675	0.157701
	0.209283	3.04736	0.002676	0.157701
	-0.32509	-3.04668	0.002681	0.157705
CDC42BPA;ENSG00000225934	-0.37008	-3.04801	0.00267	0.157563
	0.283535	3.048137	0.002669	0.157551
ERG;WRB;LCA5L	-0.42746	-3.04494	0.002696	0.158079
	0.310541	3.047946	0.002671	0.157563
	0.47902	3.047399	0.002675	0.157701
KIAA0141;SPRY4;PCDH12;FGF1;PCDH1	-0.48361	-3.0443	0.002702	0.158166
	-0.30481	-3.04649	0.002683	0.157762
	0.231719	3.046778	0.002681	0.157705
	-0.28056	-3.0458	0.002689	0.157844
GNA12;MAD1L1;IQCE;PSMG3;CHST12;TTYH3 ENSG00000268175;ENSG00000240137;ENSG00000242791;TM 4SF18;PFN2	-0.45206	-3.04698	0.002679	0.157705
	-0.5517	-3.04669	0.002681	0.157705
	-0.28391	-3.04705	0.002678	0.157705
	0.300197	3.045458	0.002692	0.157931
	0.329042	3.04667	0.002681	0.157705
SURF4;RNU6ATAC				

	-0.39576	-3.04527	0.002693	0.157981
	0.270267	3.046303	0.002685	0.157811
TMCO3;CDC16;ADPRHL1;GAS6;DCUN1D2;RASA3;TMEM255B	-0.51098	-3.04325	0.002711	0.158338
	0.279	3.045777	0.002689	0.157844
STK32B;KIAA0232;EVC	-0.3185	-3.04558	0.002691	0.157891
	0.369077	3.046652	0.002682	0.157705
	-0.28726	-3.04579	0.002689	0.157844
AK9;METTL24;WASF1;DDO	-0.38985	-3.04274	0.002715	0.158353
	0.266946	3.044289	0.002702	0.158166
	0.336542	3.045792	0.002689	0.157844
	0.186077	3.045671	0.00269	0.157868
	-0.34644	-3.04415	0.002703	0.158178
SNORD116-13	-0.3258	-3.04226	0.002719	0.15844
IFT43;GPATCH2L;VASH1;CIPC;SAMD15;AHSA1;TTLL5;ANGEL1;T				
GFB3;SPTLC2;NOXRED1;C14orf166B;SLIRP	-0.33877	-3.04395	0.002705	0.158225
C16orf80;MT1E;CCDC113;CCDC135;KATNB1	-0.32514	-3.04478	0.002698	0.158117
UQCC2;PFDN6	-0.28644	-3.0458	0.002689	0.157844
KIAA0319	-0.48817	-3.04436	0.002701	0.158166
	-0.33163	-3.04481	0.002697	0.158117
PLCG2	-0.35463	-3.04452	0.0027	0.158166
PFKFB2;DYRK3	0.277742	3.045062	0.002695	0.158041
	-0.34259	-3.04466	0.002698	0.158152
	0.360728	3.045762	0.002689	0.157844
	0.172665	3.043837	0.002706	0.158226
	0.285241	3.0452	0.002694	0.157994
	0.435983	3.043689	0.002707	0.158231
	0.331929	3.044437	0.0027	0.158166
OAS1	-0.27737	-3.0433	0.00271	0.158334
HSH2D;PLVAP;USHBP1	0.304417	3.043497	0.002708	0.158301
	0.439028	3.04388	0.002705	0.158226
	0.205074	3.043421	0.002709	0.158317
	0.188092	3.042668	0.002716	0.158353
	0.317927	3.043961	0.002704	0.158225
SSC5D;PPP1R12C;EPS8L1;BRK1;HSPBP1;ZNF583	-0.3302	-3.04275	0.002715	0.158353
TRIM69;B2M;DUOX1;DUOX1	0.348139	3.043698	0.002707	0.158231
PPP1R11;TRIM39;LY6G5C;HSPA1A;HCP5;SLC44A4;NELFE;PPP1				
R10;CLIC1	0.429209	3.042489	0.002717	0.158393
	-0.20024	-3.04382	0.002706	0.158226
	0.383776	3.043681	0.002707	0.158231
ARMC9;NGEF	-0.3414	-3.04454	0.0027	0.158166
HSPH1	0.38782	3.044134	0.002703	0.158178
DNAJC16;HSPB7;KAZN;FHAD1;ENSG00000228140;FBLIM1;AG				
MAT;EFHD2;ARHGEF19	0.426454	3.042611	0.002716	0.158353
	0.408169	3.044148	0.002703	0.158178
	0.181819	3.041796	0.002723	0.158501
NDUFB5	0.469208	3.044378	0.002701	0.158166



NTM;ENSG00000175773	-0.15125	-3.04108	0.002729	0.158538
	-0.27901	-3.04268	0.002715	0.158353
	-0.26069	-3.04295	0.002713	0.158353
	0.286988	3.042937	0.002713	0.158353
	0.395492	3.04196	0.002722	0.158464
	-0.22396	-3.04295	0.002713	0.158353
	0.282789	3.042221	0.002719	0.15844
	0.175383	3.040893	0.002731	0.158538
	0.307675	3.041958	0.002722	0.158464
ENSG00000223849;FANCC;MIR27B;AAED1;ZNF367;MIR23B;C9orf3;CDC14B;PTCH1				
RPS3AP6	-0.38814	-3.04006	0.002738	0.158654
	0.415885	3.041333	0.002727	0.158538
	-0.37043	-3.04052	0.002734	0.158557
KIAA1755;RPRD1B;RALGAPB;VSTM2L	-0.36644	-3.04334	0.00271	0.158334
ENSG00000220660	-0.33372	-3.04202	0.002721	0.158464
ITGA5;COPZ1	0.336441	3.042803	0.002714	0.158353
	0.270348	3.04141	0.002726	0.158538
	0.391875	3.042649	0.002716	0.158353
	-0.18466	-3.04091	0.002731	0.158538
	0.361494	3.04152	0.002725	0.158538
MAD1L1;TTYH3;CHST12;CARD11	-0.31179	-3.04288	0.002714	0.158353
SRP9;PARP1	0.319489	3.042747	0.002715	0.158353
	0.169629	3.042315	0.002719	0.158436
	-0.36767	-3.04274	0.002715	0.158353
MOCOS	0.338795	3.041075	0.002729	0.158538
	0.36172	3.040857	0.002731	0.158538
STMN3;OSBPL2	-0.27192	-3.0421	0.00272	0.158464
	-0.37013	-3.04282	0.002714	0.158353
C1orf222;MXRA8;PRKCZ;MORN1;ANKRD65;SSU72;ATAD3A				
	0.280517	3.041126	0.002729	0.158538
	-0.48866	-3.03971	0.002741	0.158655
	0.301473	3.040261	0.002736	0.158643
TGIF2;RBL1;VSTM2L;SLA2;RPRD1B;KIAA1755	-0.24273	-3.04094	0.00273	0.158538
	0.410091	3.042323	0.002718	0.158436
ARID3A;ATP8B3;HMHA1	0.381893	3.040756	0.002732	0.158546
MFAP2;PADI1;SDHB;RCC2;MST1P2;RNU1-4;RNU1-2	-0.31679	-3.04102	0.00273	0.158538
	-1.13793	-3.04198	0.002721	0.158464
	-0.32455	-3.04098	0.00273	0.158538
	-0.42214	-3.0416	0.002725	0.158538
PPP1R7;HDLBP	0.364192	3.040566	0.002734	0.158555
HECTD2	-0.24829	-3.0392	0.002745	0.158655
	-0.18446	-3.03994	0.002739	0.158654
PEAR1;SMG5;LAMTOR2	0.216356	3.039326	0.002744	0.158655
	-0.39918	-3.04108	0.002729	0.158538
	-0.34182	-3.03904	0.002747	0.158655
	-0.33408	-3.0408	0.002732	0.158546
FLT4;RNF130;GFPT2;CNOT6	-0.40545	-3.04058	0.002733	0.158555

LYRM2;BACH2	-0.60333	-3.04184	0.002723	0.158501
	0.261672	3.039792	0.00274	0.158655
TRIM39;GABBR1	-0.2687	-3.04117	0.002728	0.158538
MEGF6;TP73-AS1;LINC01134;PRDM16;CEP104	0.25957	3.040218	0.002737	0.158643
	0.364033	3.03979	0.00274	0.158655
	0.402165	3.040957	0.00273	0.158538
VEGFA	0.346413	3.041175	0.002728	0.158538
	0.22745	3.04002	0.002738	0.158654
	-0.35858	-3.03999	0.002738	0.158654
	-0.29273	-3.03948	0.002743	0.158655
IBTK	-0.24555	-3.04011	0.002737	0.158654
ENSG00000259575	-0.30027	-3.041	0.00273	0.158538
	-0.26866	-3.04121	0.002728	0.158538
	0.254907	3.038473	0.002752	0.158655
	0.264736	3.039609	0.002742	0.158655
	-0.24999	-3.04058	0.002733	0.158555
	0.347838	3.041444	0.002726	0.158538
SGIP1	0.279337	3.039253	0.002745	0.158655
CCDC125;CDK7;MARVELD2	-0.28604	-3.03766	0.002759	0.158715
	0.160536	3.038563	0.002751	0.158655
	0.390552	3.040346	0.002735	0.158622
RPL21P75	0.347718	3.039454	0.002743	0.158655
	0.205852	3.038393	0.002752	0.158655
	-0.30321	-3.03896	0.002747	0.158655
	0.382582	3.039396	0.002744	0.158655
	0.244461	3.040621	0.002733	0.158555
P4HTM;DALRD3;TUSC2;ZMYND10;CDHR4;TCTA;LAMB2;NDUFA F3;HYAL2;IP6K1;ENSG00000223343;SEMA3B;PRKAR2A- AS1;ENSG00000273356;BSN;DOCK3;PRKAR2A	-0.24537	-3.03745	0.002761	0.15874
PDCD6;TPPP;TRIP13;MRPL36;LPCAT1;NDUFS6;SDHA;NKD2	-0.62062	-3.03995	0.002739	0.158654
	-0.32058	-3.03848	0.002752	0.158655
TMEM45B	0.348902	3.039401	0.002744	0.158655
	-0.30238	-3.03817	0.002754	0.158655
	0.318782	3.038263	0.002753	0.158655
TMCO3	-0.23895	-3.03979	0.00274	0.158655
	0.333724	3.038973	0.002747	0.158655
	0.30185	3.039727	0.002741	0.158655
	-0.23597	-3.03877	0.002749	0.158655
ANKMY1;PPP1R7;BOK;ENSG00000223991;GPC1;PASK;ENSG00 000233392;ENSG00000226321;ENSG00000218416;ENSG0000 0216921;STK25;HDLBP;FARP2	-0.43922	-3.03789	0.002757	0.158655
	0.348788	3.038624	0.00275	0.158655
	-0.35456	-3.03959	0.002742	0.158655
	0.387686	3.037527	0.00276	0.158721
	0.396844	3.039428	0.002743	0.158655
	0.273283	3.038877	0.002748	0.158655

	0.383881	3.038604	0.00275	0.158655
ZAP70;INPP4A;MGAT4A;YWHAQP5;VWA3B;ACTR1B;FAM178B	0.292034	3.039124	0.002746	0.158655
	-0.34633	-3.03853	0.002751	0.158655
	-0.36218	-3.0391	0.002746	0.158655
	-0.36756	-3.03837	0.002753	0.158655
RNF166	0.225542	3.038839	0.002748	0.158655
	0.340992	3.038161	0.002754	0.158655
PFDN6;NOTCH4;HCG25;TNXB;HNRNPA1P2	0.239961	3.038102	0.002755	0.158655
	0.28184	3.038532	0.002751	0.158655
	-0.20347	-3.03411	0.00279	0.159538
VPS37B	-0.2983	-3.03697	0.002765	0.158851
	-0.47945	-3.03803	0.002755	0.158655
MUC4;MUC20;SLC51A	-0.50369	-3.03787	0.002757	0.158655
	-0.22269	-3.03703	0.002764	0.158851
	0.413469	3.039226	0.002745	0.158655
SATB1;ENSG00000228956	-0.47041	-3.03813	0.002755	0.158655
	0.308978	3.037582	0.002759	0.158715
	0.259536	3.038268	0.002753	0.158655
	-0.42702	-3.03807	0.002755	0.158655
	0.177396	3.036099	0.002772	0.159038
EFCAB7	-0.35588	-3.03783	0.002757	0.158658
	0.168408	3.037199	0.002763	0.158843
	0.37521	3.037598	0.002759	0.158715
	-0.21775	-3.03802	0.002756	0.158655
	0.375154	3.038383	0.002752	0.158655
	0.345285	3.037947	0.002756	0.158655
	0.277195	3.03372	0.002793	0.159538
GFPT1;ADD2;NFU1;SNRPG;TGFA;ANTXR1;ENSG00000229948;A NXA4	-0.36602	-3.03534	0.002779	0.159255
PLXND1	-0.4159	-3.03697	0.002765	0.158851
	0.185823	3.035638	0.002776	0.159174
CALM2;EPCAM;MSH2;ENSG00000260977	-0.54807	-3.03807	0.002755	0.158655
	0.361321	3.036898	0.002765	0.158865
	0.401188	3.037079	0.002764	0.158851
	0.260886	3.037953	0.002756	0.158655
WDR45B;PCYT2;MAFG- AS1;LRRC45;METRNL;ENSG00000261888;C17orf62;ENSG0000 0265678;CCDC57;C17orf70;NOTUM	-0.30092	-3.03676	0.002767	0.158914
	0.269859	3.036177	0.002772	0.159038
LINC00365	-0.3353	-3.03668	0.002767	0.15893
	0.311434	3.036045	0.002773	0.159038
	-0.42819	-3.03566	0.002776	0.159174
MRAS;NME9;FAIM	0.281769	3.036123	0.002772	0.159038
MIPEP	0.541369	3.035837	0.002775	0.159118
	0.288876	3.035392	0.002778	0.159255
GPR146	-0.31612	-3.03712	0.002763	0.158851

ANTXRLP1;SYT15;ZFAND4;ENSG00000231187	0.162831	3.03435	0.002788	0.159499
	0.273179	3.036197	0.002771	0.159038
	0.256916	3.035541	0.002777	0.159202
IQCE	0.213368	3.034977	0.002782	0.159356
	0.363011	3.036111	0.002772	0.159038
	0.394952	3.0342	0.002789	0.159538
	-1.13506	-3.03663	0.002768	0.158936
	0.314226	3.036547	0.002768	0.158955
	-0.17941	-3.03486	0.002783	0.159392
	0.256776	3.036039	0.002773	0.159038
	0.389864	3.035291	0.002779	0.159255
	-0.26426	-3.0361	0.002772	0.159038
	0.324466	3.034758	0.002784	0.159394
	0.289854	3.035263	0.00278	0.159255
	-0.33494	-3.03473	0.002784	0.159394
	-0.26535	-3.03417	0.002789	0.159538
	-0.27208	-3.0348	0.002784	0.159394
	0.305309	3.034672	0.002785	0.159402
RDH10;ENSG00000253339;TMEM70 TUBA3FP;ENSG00000187905;PPM1F;P2RX6;PPIL2	0.225959	3.035014	0.002782	0.159356
	-0.35697	-3.03399	0.002791	0.159538
	0.240165	3.034472	0.002786	0.159481
ENSG00000236467;KCNMA1;ENSG00000225652	0.327883	3.033524	0.002795	0.159593
	0.341068	3.03374	0.002793	0.159538
	-0.31346	-3.03442	0.002787	0.159485
RAD17P2	0.347506	3.034011	0.00279	0.159538
	-0.57301	-3.0322	0.002806	0.159902
	0.220179	3.032483	0.002804	0.159839
CIITA	-0.42009	-3.03353	0.002795	0.159593
	0.22065	3.033979	0.002791	0.159538
	-0.18486	-3.03341	0.002796	0.159594
	-0.32043	-3.03345	0.002795	0.159594
	0.26556	3.033821	0.002792	0.159538
	0.247191	3.033794	0.002792	0.159538
	-0.38625	-3.03172	0.002811	0.159909
	0.279286	3.033381	0.002796	0.159594
	0.278792	3.033863	0.002792	0.159538
	-0.35031	-3.03379	0.002792	0.159538
	-0.48605	-3.03316	0.002798	0.159649
	0.278914	3.033035	0.002799	0.159686
	-0.58672	-3.033	0.002799	0.159686
	0.245813	3.03375	0.002793	0.159538
	-0.27537	-3.03093	0.002818	0.160152
CCDC88A;PNPT1	-0.27863	-3.03241	0.002805	0.159854
	-0.44098	-3.03265	0.002802	0.159776
	-0.26608	-3.0327	0.002802	0.159773
GRIA1;GALNT10;CNOT8	0.354133	3.032126	0.002807	0.159902
	0.392251	3.03292	0.0028	0.159705

ARL4C	-0.31254	-3.03335	0.002796	0.159594
	0.282841	3.03059	0.002821	0.160175
	-0.37604	-3.03237	0.002805	0.159855
	0.315429	3.031906	0.002809	0.159909
	-0.29072	-3.03107	0.002816	0.160144
	-0.3167	-3.03317	0.002798	0.159649
	0.271753	3.031708	0.002811	0.159909
	0.328591	3.032712	0.002802	0.159773
	-0.25076	-3.03171	0.002811	0.159909
	-0.15838	-3.03182	0.00281	0.159909
	-0.45743	-3.03194	0.002809	0.159909
	0.293732	3.032103	0.002807	0.159902
	0.434055	3.031858	0.002809	0.159909
	-0.31124	-3.03194	0.002809	0.159909
	0.356136	3.031284	0.002815	0.160079
	-0.37398	-3.03144	0.002813	0.160024
	0.423772	3.030622	0.00282	0.160175
NKIRAS2	-0.19173	-3.03046	0.002822	0.160179
	0.185732	3.030666	0.00282	0.160175
	-0.26037	-3.03219	0.002807	0.159902
	-0.30879	-3.028	0.002844	0.160767
	-0.35545	-3.03006	0.002825	0.160291
	-0.27708	-3.03061	0.00282	0.160175
	-0.36617	-3.03111	0.002816	0.160144
	-0.32176	-3.03045	0.002822	0.160179
	0.285994	3.030899	0.002818	0.160152
	-0.22925	-3.03175	0.00281	0.159909
C4orf19;ENSG00000248936	0.235167	3.0296	0.002829	0.160389
	0.351837	3.030885	0.002818	0.160152
	-0.38296	-3.03031	0.002823	0.160206
	0.300547	3.0274	0.002849	0.160767
SCNN1A;NTF3;NOP2	-0.28459	-3.02927	0.002832	0.160455
	-0.22726	-3.0293	0.002832	0.160455
	0.25884	3.029971	0.002826	0.160295
	-0.2321	-3.03019	0.002824	0.160245
	-0.18756	-3.02979	0.002828	0.160353
	0.21055	3.031028	0.002817	0.160144
	-0.35694	-3.02936	0.002832	0.160455
	0.307842	3.027366	0.002849	0.160767
ZMIZ1				
REPIN1;GIMAP8;LRRC61;GIMAP6;ATG9B;NOS3;CDK5;GIMAP5; GIMAP7;GIMAP1;GIMAP4	-0.44456	-3.02913	0.002834	0.160482
	-0.27927	-3.03063	0.00282	0.160175
	-0.35148	-3.02736	0.002849	0.160767
	0.322347	3.028358	0.00284	0.160696
ERN1;MILR1;LIMD2	0.348409	3.030548	0.002821	0.160175
	0.214382	3.03037	0.002823	0.160198
	-0.21283	-3.02868	0.002838	0.160604

RCOR3	0.391911	3.029704	0.002828	0.160363
	-0.32117	-3.03054	0.002821	0.160175
	0.320566	3.029324	0.002832	0.160455
SCARB1;ZNF664;BRI3BP;TCTN2;GTF2H3;SBNO1;DNAH10	-0.27514	-3.02918	0.002833	0.160479
	-0.31466	-3.02957	0.00283	0.160389
	0.236341	3.027649	0.002847	0.160767
KIAA0922	0.281131	3.029966	0.002826	0.160295
	-0.36853	-3.02736	0.002849	0.160767
TSPAN4;LRRC56;TALDO1;IFITM3;CTSD	-0.39017	-3.02899	0.002835	0.160508
	-0.33561	-3.02799	0.002844	0.160767
CNOT8	-0.43603	-3.02977	0.002828	0.160353
SCCPDH;NLRP3;GCSAML	-0.37565	-3.02841	0.00284	0.160695
RAPGEF4;ENSG00000091436;ENSG00000225205;MLK7-AS1;CYBRD1;SLC25A12;ITGA6	-0.37529	-3.02736	0.002849	0.160767
GATA2;ENSG00000244300;RUVBL1;MCM2	-0.2422	-3.02685	0.002854	0.160846
TSSC1	0.41783	3.027556	0.002848	0.160767
RBM20;BBIP1	-0.50885	-3.0271	0.002852	0.160823
PRR24	0.232895	3.028551	0.002839	0.160646
	0.268385	3.02736	0.002849	0.160767
	-0.24863	-3.02637	0.002858	0.161006
	0.314299	3.026993	0.002853	0.160823
	0.32862	3.029045	0.002834	0.160503
	0.370987	3.028944	0.002835	0.160512
	0.49487	3.027231	0.002851	0.160781
PDZD2	-0.41599	-3.02649	0.002857	0.160983
	0.312393	3.02794	0.002844	0.160767
	-0.27234	-3.02536	0.002867	0.161218
TRAPPC9	-0.70679	-3.02787	0.002845	0.160767
FUOM	-0.48152	-3.02766	0.002847	0.160767
	0.305075	3.028325	0.002841	0.160696
	0.443081	3.028889	0.002836	0.160518
CHD7;KRT8P3	-0.39191	-3.02726	0.00285	0.160781
RNF166;SPIRE2;GAS8	0.490701	3.027636	0.002847	0.160767
SLC37A1;ICOSLG;CSTB;TRPM2	0.340001	3.027827	0.002845	0.160767
	-0.28448	-3.02591	0.002862	0.161135
SCNN1B	-0.40849	-3.02747	0.002848	0.160767
	-0.29287	-3.02734	0.00285	0.160767
	0.430913	3.027678	0.002847	0.160767
	0.195912	3.026861	0.002854	0.160846
	-0.31546	-3.02572	0.002864	0.161138
FN3K;SECTM1;CD7	0.294681	3.028058	0.002843	0.160767
	-0.19165	-3.02577	0.002864	0.161135
ZNF57;GNG7;GNA15;AES;MOB3A;ABHD17A	-0.44885	-3.02542	0.002867	0.161208
IFT140;CCDC78;HN1L;BAIAP3;HAGHL;METRN;PDPK1;ENSG00000261659;HAGH;GFER;SOX8;HS3ST6;MSRB1;ENSG00000260807;UBE2I	-0.48542	-3.02619	0.00286	0.161054
	-0.36107	-3.02778	0.002846	0.160767

	-0.18304	-3.02705	0.002852	0.160823
	0.215545	3.026229	0.00286	0.161053
	0.235184	3.026559	0.002857	0.160972
ARL10	0.359978	3.02698	0.002853	0.160823
	0.246733	3.025602	0.002865	0.161178
BNIP1;RORC;CGN;SELENBP1;S100A11;THEM4;PSMD4;HRNR;ENSG00000269621	0.318418	3.025831	0.002863	0.161135
	0.274905	3.025836	0.002863	0.161135
TNK1	-0.27554	-3.025	0.002871	0.161252
DISP1;DUSP10	-0.36853	-3.0244	0.002876	0.161408
SKI;LINC01134	-0.26626	-3.02511	0.00287	0.161252
	-0.31017	-3.02491	0.002871	0.161255
	0.250567	3.026106	0.002861	0.161073
TMEM254;ZMIZ1;ZCCHC24;SFTPD;PIIF;TMEM254-AS1	-0.58039	-3.02494	0.002871	0.161255
	-0.30931	-3.02551	0.002866	0.161184
FZD4;ENSG00000255471;CCDC81	0.322678	3.026443	0.002858	0.160988
	0.320569	3.025781	0.002864	0.161135
DLG5-AS1	0.33448	3.024073	0.002879	0.161501
	-0.3204	-3.02506	0.00287	0.161252
CCL19;DNAI1	0.2014	3.025049	0.00287	0.161252
TMCO3;CDC16;GAS6;ADPRHL1;TMEM255B;DCUN1D2;PCID2;RASA3;TFDP1	-0.35003	-3.02315	0.002887	0.1617
	0.415686	3.025129	0.002869	0.161252
	0.370715	3.024863	0.002872	0.161256
	-0.33232	-3.02324	0.002886	0.161675
	0.162864	3.024225	0.002878	0.161473
	0.303871	3.024768	0.002873	0.161262
	-0.26249	-3.02556	0.002866	0.161178
	0.360928	3.02269	0.002891	0.161848
INPP5D;B3GNT7;EFHD1	-0.35414	-3.02282	0.00289	0.161826
PLAG1	-0.32662	-3.02377	0.002882	0.161504
	0.273901	3.02505	0.00287	0.161252
	-0.21274	-3.02375	0.002882	0.161504
	0.243777	3.024476	0.002875	0.161388
	0.371621	3.023793	0.002881	0.161504
RLTPR;ESRP2	-0.33551	-3.02479	0.002872	0.161262
AP2B1;PIGW;AATF	0.231711	3.023359	0.002885	0.161636
	0.25943	3.022943	0.002889	0.161784
ZNF622	0.334515	3.024104	0.002879	0.161501
	-0.20459	-3.02276	0.002891	0.161836
ENSG00000271204	0.419391	3.023909	0.00288	0.161504
	-0.41052	-3.0237	0.002882	0.161504
LSP1	-0.36492	-3.02391	0.00288	0.161504
	-0.35388	-3.025	0.002871	0.161252
	0.23997	3.023641	0.002883	0.161515
	-0.21136	-3.02214	0.002896	0.162043
	-0.32361	-3.02169	0.0029	0.162164

FOXK1	0.284763	3.024002	0.00288	0.161501
LRRC56;MUC5B;EFCAB4A;SIGIRR;RASSF7;IFITM3;TSPAN4;C11orf35	-0.26465	-3.01994	0.002916	0.162488
	0.347299	3.023744	0.002882	0.161504
NRCAM;DUS4L	-0.78721	-3.02402	0.002879	0.161501
	0.232163	3.02112	0.002906	0.162391
SPTBN1	-0.37913	-3.02237	0.002894	0.161968
BCAN;ENSG00000246203	-0.18228	-3.02146	0.002903	0.162226
	-0.25284	-3.01978	0.002918	0.162488
	-0.30033	-3.02247	0.002893	0.161941
	0.268071	3.022184	0.002896	0.162041
	-0.34634	-3.02193	0.002898	0.162106
	-0.50271	-3.0217	0.0029	0.162164
IGFBP2;PECR;POLHP1	0.310237	3.021809	0.002899	0.162147
ATG5	0.331514	3.022018	0.002898	0.162083
RAB11FIP1;GPR124	-0.45302	-3.0201	0.002915	0.162488
	-0.2615	-3.02094	0.002907	0.162425
NTM	-0.26906	-3.02084	0.002908	0.162429
RPL9P16	0.372885	3.020929	0.002907	0.162425
	0.143608	3.020017	0.002916	0.162488
GIMAP6;GIMAP8;GIMAP5;REPIN1;GIMAP1;GIMAP7;ATG9B;GIMAP4;WDR86-AS1;NOS3;CDK5	-0.23072	-3.0199	0.002917	0.162488
	-0.37633	-3.02134	0.002904	0.162302
MRGPRF;TPCN2;ENSG00000256508	-0.37437	-3.02008	0.002915	0.162488
NFIC;GIPC3;PIP5K1C;ENSG00000205147;TMPRSS9;DAPK3	-0.26614	-3.02086	0.002908	0.162429
	-0.27241	-3.01989	0.002917	0.162488
NRTN;RFX2;FUT6;HSD11B1L	0.710145	3.018761	0.002927	0.162714
C20orf85;PPP4R1L;GNAS	-0.43876	-3.02031	0.002913	0.162488
	0.308442	3.020536	0.002911	0.162488
	0.250865	3.020273	0.002913	0.162488
	-0.3952	-3.02039	0.002912	0.162488
	0.238469	3.020381	0.002912	0.162488
TAP1;TAP2	-0.19172	-3.02049	0.002911	0.162488
	-0.40451	-3.01846	0.00293	0.162714
ARHGEF10;MYOM2;CLN8;KBTBD11	-0.39512	-3.02107	0.002906	0.162395
ENSG00000233369;TBL2	-0.28904	-3.01908	0.002924	0.162646
	0.297888	3.019529	0.00292	0.162503
	0.430328	3.019541	0.00292	0.162503
	-0.21317	-3.01718	0.002942	0.162914
LSP1;C11orf21	-0.31943	-3.02029	0.002913	0.162488
	-0.31937	-3.01976	0.002918	0.162488
ZNF440;FBXW9;ZNF20;KANK2;ZNF627	-0.42251	-3.01977	0.002918	0.162488
	-0.28218	-3.0206	0.00291	0.162488
	0.358816	3.018915	0.002926	0.162708
	-0.29333	-3.02046	0.002912	0.162488
	0.312339	3.019146	0.002924	0.162633



LPIN1	-0.39831	-3.01859	0.002929	0.162714
	-0.39581	-3.0208	0.002909	0.162429
	-0.41155	-3.01991	0.002917	0.162488
	-0.22863	-3.0179	0.002935	0.162853
FAM83H-AS1;EEF1D;RHPN1-AS1;ENSG00000255224	-0.38292	-3.01759	0.002938	0.162897
	-0.28701	-3.01967	0.002919	0.162493
	-0.32145	-3.02004	0.002916	0.162488
ERLIN1;MRPL43;DNMBP;BLOC1S2;MGEA5;CHUK;KCNIP2	0.317708	3.018785	0.002927	0.162714
	-0.34434	-3.01845	0.00293	0.162714
	0.242605	3.016279	0.00295	0.163067
MRPS23;COIL;VEZF1	-0.3261	-3.01923	0.002923	0.162613
	0.36467	3.019401	0.002921	0.162545
ENSG00000272950	0.275617	3.016263	0.00295	0.163067
TBC1D10C;ALDH3B1;UNC93B1;RBM14;PITPNM1;ENSG00000255306;CCS	-0.34494	-3.02006	0.002915	0.162488
	0.20317	3.019815	0.002918	0.162488
	-0.39161	-3.01968	0.002919	0.162493
	0.228073	3.017046	0.002943	0.162914
	0.348817	3.018477	0.00293	0.162714
	0.270879	3.017547	0.002938	0.162897
	0.452974	3.018537	0.002929	0.162714
	0.340444	3.017606	0.002938	0.162897
	0.386648	3.018129	0.002933	0.162791
	-0.24415	-3.01952	0.00292	0.162503
	0.274735	3.018134	0.002933	0.162791
GRASP;ACVRL1;KRT18;POU6F1;KRT7;DAZAP2;SLC11A2;KRT80;GALNT6	0.257515	3.017381	0.00294	0.162914
	0.188334	3.016757	0.002946	0.162989
CCSAP;CAPN9	-0.40682	-3.01874	0.002927	0.162714
SPATA6;ENSG00000225154;TAL1;AGBL4;CYP4X1;CYP4Z1	0.262691	3.017883	0.002935	0.162853
RNF32	0.580724	3.017608	0.002938	0.162897
	-0.83024	-3.01854	0.002929	0.162714
	0.387876	3.017544	0.002938	0.162897
	-0.25382	-3.01779	0.002936	0.16288
CORO1A;MVP;ITGAL;PPP4C	-0.36223	-3.01709	0.002943	0.162914
	0.324225	3.018641	0.002928	0.162714
PDE3A	-0.52013	-3.0185	0.00293	0.162714
	-0.37888	-3.01751	0.002939	0.162897
	0.289898	3.018129	0.002933	0.162791
SLC43A2;GEMIN4;NXN;PITPNA	-0.50825	-3.01797	0.002934	0.162851
C11orf49;AGBL2;CELF1;KBTBD4;DDB2;PACSIN3;NDUFS3	-0.36671	-3.01578	0.002955	0.163166
PSMG3;GNA12;GPR146;IQCE;ELFN1	0.485996	3.015295	0.002959	0.163181
	0.230666	3.01672	0.002946	0.162989
	-0.19829	-3.01533	0.002959	0.163181
CERK	0.414626	3.01611	0.002952	0.163103
	-0.47298	-3.01816	0.002933	0.162791
	0.400661	3.016664	0.002947	0.162989

	-0.24687	-3.01663	0.002947	0.162989
FMN1	0.406144	3.017018	0.002943	0.162914
LPXN	-0.61785	-3.01726	0.002941	0.162914
	0.284784	3.015486	0.002957	0.163181
CPT1C;HSD17B14;RCN3;CARD8	0.4452	3.016622	0.002947	0.162989
VCAM1	-0.43256	-3.01715	0.002942	0.162914
	0.323547	3.017206	0.002942	0.162914
MVP	0.301912	3.017048	0.002943	0.162914
	0.224296	3.01697	0.002944	0.162918
CNDP2;CYB5A;ZNF407;FBXO15	-0.50459	-3.01595	0.002953	0.163145
	0.241372	3.016442	0.002949	0.163039
FAM83G;ALDH3A1	-0.4708	-3.01733	0.00294	0.162914
ENO1-IT1;SLC2A5;ENSG00000234546;PER3	-0.45376	-3.01427	0.002969	0.163366
ATP6V0A1;CNTNAP1;STAT5B	-0.28812	-3.01478	0.002964	0.163272
	0.218251	3.017071	0.002943	0.162914
	0.256279	3.016267	0.00295	0.163067
HEATR2	-0.38425	-3.01413	0.00297	0.163374
DYRK4	0.211389	3.015639	0.002956	0.163181
CCR5;KIF9-AS1;CXCR6;XCR1;KIF9;CCR2	0.434972	3.016498	0.002948	0.163032
	0.266474	3.016223	0.002951	0.163067
CCDC40;BAIAP2-				
AS1;CBX8;ENSG00000263069;CBX2;ENSG00000175911	-0.34119	-3.01586	0.002954	0.163163
MRPS31;OR7E36P;LINC00332;RGCC	-0.40808	-3.01499	0.002962	0.163232
LINC00222	0.260899	3.015085	0.002961	0.163205
CLDN7	0.202651	3.015363	0.002959	0.163181
	0.373315	3.014739	0.002964	0.163272
HSBP1	-0.3546	-3.01569	0.002955	0.163181
KIF3B;SNTA1;BPIFB1;CBFA2T2;ENSG00000260257;COMMD7	-0.38785	-3.01486	0.002963	0.163258
CERCAM;ODF2;DNM1;COQ4;ST6GALNAC6;TTC16;RALGPS1;WD				
R34;C9orf117;GARNL3;PKN3;ENG;CIZ1;SH2D3C;GLE1;AK1;SLC2				
A8;ANGPTL2;LCN2;LRSAM1	-0.35436	-3.01536	0.002959	0.163181
	-0.47925	-3.01521	0.00296	0.163181
	0.392274	3.015827	0.002954	0.163163
	0.287275	3.014893	0.002963	0.163258
ARNTL2	-0.28151	-3.01558	0.002957	0.163181
	-0.27259	-3.01412	0.00297	0.163374
	-0.30507	-3.01467	0.002965	0.163272
	-0.26036	-3.01446	0.002967	0.163334
	0.374995	3.015107	0.002961	0.163205
	0.263069	3.015389	0.002958	0.163181
	0.295357	3.013869	0.002972	0.163437
RAB20;COL4A1;COL4A2;ANKRD10	-0.2846	-3.01328	0.002978	0.163642
	0.239756	3.016032	0.002952	0.163122
	-0.2512	-3.01532	0.002959	0.163181
FRMD4A	-0.33862	-3.01462	0.002965	0.163272
	0.404355	3.014632	0.002965	0.163272

ABCA13;C7orf57;TNS3;PKD1L1	-0.29716	-3.01361	0.002975	0.163515
	-0.50862	-3.01434	0.002968	0.163366
ENSG00000254951	-0.47087	-3.01303	0.00298	0.163667
	0.44279	3.015588	0.002956	0.163181
ANKRD37;C4orf47;LRP2BP	-0.35879	-3.01432	0.002968	0.163366
SLC5A4;SMTN	-0.33031	-3.01523	0.00296	0.163181
PHLPP1	-0.4431	-3.01373	0.002974	0.163476
SHE;ATP8B2;TDRD10;S100A6;NPR1;SNAPIN;DENND4B;ILF2;C1orf43;GATAD2B;S100A14;S100A2;CRTC2;JTB	-0.33136	-3.0125	0.002985	0.163809
	-0.25348	-3.01388	0.002972	0.163437
SLC45A1;SPSB1;PARK7;SLC2A5	-0.39065	-3.01301	0.00298	0.163667
SUSD1;UGCG	0.372842	3.012906	0.002981	0.163667
	-0.28508	-3.0132	0.002979	0.163662
RASL12;RBPMS2;CILP;ZNF609;PARP16;CSNK1G1;TRIP4;ANKDD1A;SLC51B;PLEKHO2	0.329369	3.011979	0.00299	0.163931
	-0.33572	-3.01227	0.002987	0.163868
ENSG00000228242	0.346763	3.013378	0.002977	0.163615
	0.190354	3.01164	0.002993	0.163958
	0.427663	3.013849	0.002973	0.163437
	-0.36953	-3.01107	0.002999	0.164
BCL2L1;KIF3B;TTLL9;CCM2L;HCK;COX4I2	0.23907	3.011815	0.002992	0.163931
MAP4K1	-0.33601	-3.01414	0.00297	0.163374
NAT1;ENSG00000253671;PCM1;SLC7A2	-0.52742	-3.01297	0.002981	0.163667
	0.279951	3.010686	0.003002	0.164069
BLCAP;PPP1R16B	-0.38024	-3.0119	0.002991	0.163931
	-0.29542	-3.01171	0.002993	0.163945
	0.264422	3.014096	0.00297	0.163374
	-0.32302	-3.01122	0.002997	0.164
PPIF;ZMIZ1;ANXA11;TMEM254	-0.36388	-3.01243	0.002986	0.163825
VIMP	0.235273	3.01197	0.00299	0.163931
	-0.25179	-3.01153	0.002994	0.163992
	0.200049	3.010937	0.003	0.164024
	-0.25924	-3.01285	0.002982	0.163673
RPL7P26	-0.43506	-3.01186	0.002991	0.163931
HLA-F;HLA-E;HCP5;HLA-B;PPP1R18;PSORS1C3	0.403109	3.012908	0.002981	0.163667
	0.22906	3.012108	0.002989	0.163928
ESRP2;CDH1; CIRH1A	-1.02937	-3.01303	0.00298	0.163667
	0.310262	3.011409	0.002995	0.163992
	0.437791	3.012922	0.002981	0.163667
AKR1C3	0.335168	3.011708	0.002993	0.163945
	0.339515	3.011817	0.002992	0.163931
NPAS3	0.329789	3.011417	0.002995	0.163992
	-0.32265	-3.01255	0.002985	0.163807
	-0.33091	-3.01235	0.002987	0.163845
	-0.25322	-3.01193	0.002991	0.163931
	-0.26103	-3.01094	0.003	0.164024
	0.444889	3.010787	0.003001	0.164038

IGFBP5	0.255247	3.009465	0.003014	0.164341
CRTC3;FES;MAN2A2	-0.32746	-3.01144	0.002995	0.163992
CINP	0.282616	3.010886	0.003	0.164028
IQCE;GNA12;PSMG3-AS1	0.461866	3.011319	0.002996	0.164
	-0.20375	-3.00848	0.003023	0.164528
	0.236733	3.011133	0.002998	0.164
	0.436005	3.009969	0.003009	0.164233
	0.201963	3.010532	0.003004	0.164127
ARPC3;FAM222A;PPTC7;ACACB	-0.39528	-3.01109	0.002998	0.164
	0.256185	3.010053	0.003008	0.164233
	-0.57892	-3.0102	0.003007	0.164231
	-0.29221	-3.01131	0.002996	0.164
	0.269287	3.010847	0.003001	0.164028
SCARNA21;CLEC10A;BCL6B;ALOX12P2;KIAA0753;DVL2	-0.46035	-3.00853	0.003022	0.164528
	-0.26034	-3.00998	0.003009	0.164233
	-0.264	-3.00946	0.003014	0.164341
UBASH3A;RIPK4;SLC37A1	0.349846	3.01113	0.002998	0.164
	0.250036	3.009957	0.003009	0.164233
KRT23;KRT10;FKBP10	0.389004	3.00983	0.00301	0.164277
TIFAB	0.371062	3.011105	0.002998	0.164
TEAD3;ENSG00000272374;FANCE;PPARD;TCP11;ENSG00000272288	-0.36591	-3.00901	0.003018	0.164387
	0.35514	3.010192	0.003007	0.164231
ACACB;ENSG00000256139;GPN3;ARPC3;GIT2	-0.42602	-3.00951	0.003013	0.164341
VWA7;C6orf25;TUBB;LSM2;CCHCR1;HLA-B	0.248976	3.010021	0.003008	0.164233
	0.322566	3.00802	0.003027	0.164659
	0.237093	3.009484	0.003013	0.164341
HOXB-AS2	-0.28405	-3.0089	0.003019	0.164421
	-0.30217	-3.00841	0.003024	0.164544
	0.337878	3.008839	0.003019	0.16443
RNF166;SPIRE2	-0.37692	-3.01032	0.003006	0.164213
CNTD1;ATP6V0A1;ENSG00000267002	0.236295	3.008091	0.003027	0.164647
	0.236231	3.00908	0.003017	0.164387
	0.176232	3.006503	0.003042	0.165027
	0.232793	3.010166	0.003007	0.164231
	0.340637	3.009495	0.003013	0.164341
CIB1;IDH2;CRTC3;WDR93;AP3S2;KIF7;BLM;HDDC3	-0.33767	-3.00948	0.003013	0.164341
	-0.29108	-3.0092	0.003016	0.164378
COMT	0.299589	3.009357	0.003015	0.164341
	0.21038	3.009338	0.003015	0.164341
	0.323869	3.009063	0.003017	0.164387
DHRS7B	0.30254	3.007457	0.003033	0.164847
	0.249218	3.009004	0.003018	0.164387
	0.290125	3.006941	0.003037	0.164915
	0.370812	3.007945	0.003028	0.164659
	-0.2619	-3.00663	0.00304	0.165027
	0.391962	3.009185	0.003016	0.164378

GPSM3;LST1;HLA-DOB;LTB	-0.31339	-3.00796	0.003028	0.164659
	0.279812	3.007033	0.003037	0.164898
	0.306862	3.008285	0.003025	0.164568
ADARB2	-0.49174	-3.00761	0.003031	0.16479
ATP5I	-0.28928	-3.00851	0.003023	0.164528
	0.370301	3.008656	0.003021	0.164503
	0.271413	3.009379	0.003014	0.164341
	0.245906	3.007839	0.003029	0.164692
	0.895344	3.007088	0.003036	0.16489
	-0.17125	-3.00716	0.003035	0.16489
	0.280116	3.005889	0.003047	0.165194
	0.440519	3.008363	0.003024	0.164548
	0.365187	3.006055	0.003046	0.165171
	-0.22407	-3.00562	0.00305	0.165264
	-0.30251	-3.00662	0.00304	0.165027
	0.270328	3.007241	0.003035	0.16489
	0.335269	3.005308	0.003053	0.165328
	-0.26689	-3.00716	0.003035	0.16489
SH2D2A	-0.2109	-3.00736	0.003033	0.164855
	-0.47008	-3.0057	0.003049	0.16525
	-0.21678	-3.00609	0.003045	0.165171
	-0.15423	-3.00589	0.003047	0.165194
NDUFS6	0.345196	3.007104	0.003036	0.16489
	0.405042	3.002071	0.003084	0.165785
	-0.36065	-3.00324	0.003073	0.165785
	-0.26533	-3.0065	0.003042	0.165027
	0.376023	3.00634	0.003043	0.165066
	0.404416	3.006918	0.003038	0.164915
	0.495183	3.005384	0.003052	0.165328
SDC4;TP53RK;SLC2A10	0.216972	3.004257	0.003063	0.16568
MEOX1;AOC3;PSME3;TMEM106A;BECN1	-0.62817	-3.0065	0.003042	0.165027
RN7SL801P	0.28032	3.00736	0.003033	0.164855
INPP5A;ADAM8;TUBGCP2;LRRC27;STK32C;ECHS1;KNDC1	-0.40489	-3.00643	0.003042	0.16504
	0.403616	3.005303	0.003053	0.165328
GZMA;ARL15	-0.46278	-3.00578	0.003049	0.165231
FBXL16	0.276878	3.005353	0.003053	0.165328
HOXD3;HOXD-AS1;ENSG00000230552	-0.32978	-3.00599	0.003046	0.165183
PDCD6IP;CMTM6;ENSG00000271020;FBXL2;GLB1;CRTAP;CLAS				
P2	-0.35654	-3.00452	0.00306	0.165649
	0.41465	3.002958	0.003075	0.165785
	0.285037	3.004364	0.003062	0.165674
DFFB	0.512006	3.002839	0.003077	0.165785
	0.21929	3.00281	0.003077	0.165785
TSPAN18;HSD17B12	-0.29285	-3.00392	0.003066	0.165758
	0.376622	3.003376	0.003071	0.165785
HDAC3	0.350597	3.00559	0.00305	0.165264

GPR156;NR1I2;MAATS1;PLA1A	-0.3738 0.501828	-3.00377 3.005045	0.003068 0.003055	0.165764 0.16544
ENTPD1;SORBS1;PDLIM1;CYP2C18;PLCE1;ENSG00000269948 POU2AF1;ENSG00000255093;BTG4;BCO2;C11orf88;ENSG0000 0255208;DIXDC1;PIH1D2;ENSG00000255428;ENSG000002549 80;MIR34C PPP6R1;HSPBP1 CCNC;ASCC3 C22orf34;ENSG00000213279;MAPK12	-0.36318  -0.42013 0.296581 0.322553 -0.55191 0.332368	-3.0039  -3.00431 3.004149 3.003829 -3.00452 3.003822	0.003066  0.003062 0.003064 0.003067 0.00306 0.003067	0.165758  0.165674 0.165695 0.165758 0.165649 0.165758
NDRG1	-0.37411 0.366089 0.287544 -0.31647 0.239002	-3.0049 3.004439 3.004147 -3.00291 3.003884	0.003057 0.003061 0.003064 0.003076 0.003067	0.165496 0.165669 0.165695 0.165785 0.165758
FAM84A;MYCN	-0.25201 -0.34712 -0.35908 -0.4504 -0.21097 0.413435 0.295042 0.140401 -0.19602 -0.21858	-3.00241 -3.00223 -3.00229 -3.0037 -3.00325 3.001607 3.004341 3.00233 -3.00188 -3.00238	0.003081 0.003082 0.003082 0.003068 0.003073 0.003088 0.003062 0.003081 0.003086 0.003081	0.165785 0.165785 0.165785 0.16578 0.165785 0.165816 0.165674 0.165785 0.165785 0.165785
STX18;SH3BP2;ADD1;TMEM128;FAM193A	-0.39734 0.355994 -0.25698 -0.21541	-3.0021 3.000686 -3.00333 -3.00098	0.003084 0.003097 0.003072 0.003094	0.165785 0.165912 0.165785 0.165912
C22orf23;APOL3;ANKRD54 RPS6KA1;ATPIF1;THEMIS2;PIGV;HMGN2;MED18;NUDC	0.307292 -0.20042 -0.29638 -0.33709	3.001962 -3.00081 -3.00323 -3.00167	0.003085 0.003096 0.003073 0.003088	0.165785 0.165912 0.165785 0.165807
AAED1	0.331426 0.254711 0.324892	3.003626 3.003617 3.002167	0.003069 0.003069 0.003083	0.16578 0.16578 0.165785
IGF2;MRPL23;CARS	-0.34524 0.381887 -0.35878 -0.36937 -0.29364 -0.23675 -0.24652	-3.00228 3.002786 -3.00308 -3.00257 -3.00187 -3.00169 -3.00043	0.003082 0.003077 0.003074 0.003079 0.003086 0.003088 0.0031	0.165785 0.165785 0.165785 0.165785 0.165785 0.165807 0.165942
KCTD17;FAM227A;KDELR3 ZNF134;ZNF470;ZNF583;ZNF304	-0.31914 -0.25768 -0.39008	-3.00014 -3.00231 -3.0028	0.003103 0.003082 0.003077	0.165976 0.165785 0.165785

FOXP4	0.225458	3.001706	0.003087	0.165807
	-0.23035	-3.00111	0.003093	0.165912
	-0.43647	-3.00229	0.003082	0.165785
	0.34629	3.00078	0.003096	0.165912
	-0.34985	-3.00315	0.003074	0.165785
	0.253717	3.002665	0.003078	0.165785
	-0.15928	-3.00169	0.003088	0.165807
EFNB2	0.412391	3.002193	0.003083	0.165785
	0.234769	3.00302	0.003075	0.165785
NLRC5;COQ9;C16orf80;CETP;MT1E;CCDC135;MT1F;KATNB1	0.259606	3.001941	0.003085	0.165785
	0.329795	3.001979	0.003085	0.165785
	-0.35872	-3.00126	0.003092	0.165912
PRR15L;SKAP1;TTLL6;ENSG00000235300;HOXB4	0.388569	3.003042	0.003075	0.165785
	-0.32239	-3.0009	0.003095	0.165912
	0.468452	3.002453	0.00308	0.165785
	-0.25078	-3.00212	0.003083	0.165785
	0.194129	3.001115	0.003093	0.165912
SPEG;DES	-0.40492	-3.00017	0.003102	0.165976
DEGS2	0.347487	3.003022	0.003075	0.165785
	-0.31586	-3.00245	0.00308	0.165785
STPG1	-0.31616	-3.0004	0.0031	0.165942
	0.146108	3.00269	0.003078	0.165785
PADI1	-0.53566	-3.00208	0.003084	0.165785
MDM1	0.279339	3.000463	0.003099	0.165942
	0.214094	3.001064	0.003094	0.165912
	-0.23088	-3.00235	0.003081	0.165785
HOXA3;HOXA-AS2	0.425804	3.001213	0.003092	0.165912
	-0.28326	-3.00249	0.00308	0.165785
	-0.291	-3.00154	0.003089	0.165828
	-0.22368	-2.99996	0.003104	0.165982
	0.233905	3.00214	0.003083	0.165785
DGKA	0.348211	3.000499	0.003099	0.165942
CACNA1A;FBXW9	0.335581	3.000755	0.003097	0.165912
	-0.18524	-3.0003	0.003101	0.165972
	-0.43265	-3.00084	0.003096	0.165912
STMN3;SOX18	0.364972	3.001105	0.003093	0.165912
	0.302413	2.999255	0.003111	0.166209
C1orf168	-0.39698	-3.00091	0.003095	0.165912
	0.394019	3.001377	0.003091	0.165894
	0.286166	2.999337	0.00311	0.166209
HOXA-AS2;HOXA3;ENSG00000214870;TAX1BP1;HOXA2;HOXA5 MYH14;CD33;NAPSB;VRK3;KLK12	0.24842	3.000658	0.003098	0.165912
	-0.33169	-3.00009	0.003103	0.165976
	-0.2811	-3.00005	0.003103	0.165976
	-0.35015	-2.99821	0.003121	0.166329
	0.21828	3.000717	0.003097	0.165912

PIAS2	0.322486	2.999966	0.003104	0.165982
SPINT2;PPP1R14A;ZNF540;ZNF573;ZNF527;ZNF607;ZNF568;HN				
RNPL;ENSG00000266916	-0.39323	-2.99855	0.003118	0.166258
KAZN;DNAJC16;HSPB7;EFHD2;FBLIM1;DDI2	-0.39634	-3.00094	0.003095	0.165912
	0.352887	2.999183	0.003112	0.166217
	0.406619	3.000435	0.0031	0.165942
TMEM119;WSCD2	0.266672	3.000108	0.003103	0.165976
	0.459056	2.999473	0.003109	0.166172
	0.199532	2.999024	0.003113	0.166217
	-0.1562	-2.99728	0.00313	0.16639
	0.344453	2.998839	0.003115	0.166231
	-0.2766	-2.99903	0.003113	0.166217
	0.262002	2.997622	0.003127	0.16639
KIAA1755;RPRD1B;VSTM2L;RALGAPB	-0.36109	-2.99952	0.003109	0.166167
	0.273234	2.9976	0.003127	0.16639
CHCHD3	-0.56374	-2.99955	0.003108	0.166167
	-0.25879	-2.99924	0.003111	0.166209
	-0.32381	-2.99665	0.003136	0.166441
TNXB;SLC44A4;NOTCH4;DDR1;CLIC1	-0.25408	-2.99857	0.003118	0.166258
	0.268274	2.997918	0.003124	0.16639
	0.288117	2.997252	0.003131	0.16639
	0.22891	2.998984	0.003114	0.166217
LRRC27;TTC40;INPP5A;KNDC1	-0.53212	-2.99779	0.003125	0.16639
	0.584442	2.999045	0.003113	0.166217
	0.33589	2.997695	0.003126	0.16639
	-0.40432	-2.99906	0.003113	0.166217
SLC37A1;RSPH1;TMPRSS3;C21orf128;ENSG00000225431;TMP				
RSS2;UMODL1;ENSG00000235772;LINC00479;LINC00111;ZNF				
295-AS1;PDE9A;TFF3;ABCG1	-0.4867	-2.99734	0.00313	0.16639
THBS2	0.267499	2.998918	0.003114	0.166231
	0.351159	3.000125	0.003103	0.165976
	0.230268	2.996559	0.003137	0.166441
	0.19637	2.997099	0.003132	0.16639
	-0.50655	-2.99797	0.003124	0.166389
	-0.2779	-2.99926	0.003111	0.166209
	0.397209	2.996726	0.003136	0.166441
TNXB;SLC44A4;LY6G5C;VWA7;CCHCR1;C6orf10;NELFE	0.271484	2.998127	0.003122	0.166329
	-0.25182	-2.99573	0.003145	0.166641
KIAA0125;IGHG2;IGHJ3P;IGHG1;AHNAK2;IGHV3-				
21;IGHG3;IGHV4-34;IGHM;IGHA1;IGHV1-2;IGHV3-				
23;C14orf79;GPR132;IGHV4-39;IGHA2;IGHG4;ADSSL1;IGHV3-				
7;IGHV3-15;IGHGP;CEP170B;IGHV3-11;INF2	-0.34385	-2.99815	0.003122	0.166329
	0.278774	2.998207	0.003121	0.166329
IGHV1-				
2;IGHG3;KIAA0125;IGHG1;IGHG2;AHNAK2;IGHM;IGHJ3P;IGHV				
3-21;IGHV3-11;IGHA1	-0.3779	-2.99825	0.003121	0.166329



	-0.18636	-2.99862	0.003117	0.166258
	0.337814	2.996613	0.003137	0.166441
	0.405008	2.998625	0.003117	0.166258
JMJD6	0.267825	2.996517	0.003138	0.166441
TBX2	0.378882	2.998658	0.003117	0.166258
	-0.34115	-2.99885	0.003115	0.166231
TMC8;ENSG00000178404;TMC6;TNRC6C- AS1;C1QTNF1;USP36;TNRC6C;ENSG00000267491;TIMP2;DNA H17	-0.27633	-2.99832	0.00312	0.166329
	0.341338	2.997323	0.00313	0.16639
	0.398297	2.998255	0.003121	0.166329
MBOAT7;OSCAR;MYADM;LILRB2;LILRA1	-0.32218	-2.99642	0.003139	0.166469
	-0.39147	-2.99733	0.00313	0.16639
HCP5	0.334472	2.996621	0.003137	0.166441
	0.19341	2.995386	0.003149	0.166641
	0.3296	2.997114	0.003132	0.16639
	-0.29016	-2.99708	0.003132	0.16639
ABHD17C;BCL2A1	0.416393	2.997469	0.003128	0.16639
SCUBE1;NUP50;ENSG00000226328;PARVB;ENSG00000230922 RPL5P30	-0.31913	-2.99528	0.00315	0.166641
	-0.18666	-2.99677	0.003135	0.166441
ENSG00000206739;DGCR6	-0.34749	-2.99858	0.003118	0.166258
	-0.53778	-2.99731	0.00313	0.16639
TNS3	-0.47663	-2.9974	0.003129	0.16639
	0.278353	2.997148	0.003132	0.16639
	0.1843	2.994814	0.003154	0.166662
	-0.32729	-2.99651	0.003138	0.166441
E2F8;ENSG00000255160	-0.55995	-2.99769	0.003126	0.16639
MRPL23;CTSD	0.38079	2.997392	0.003129	0.16639
	-0.37003	-2.99413	0.003161	0.166683
FAM198A;ZNF662	0.281136	2.995217	0.00315	0.166641
DEF6;TCP11	-0.33989	-2.9966	0.003137	0.166441
MYEOV2	0.343673	2.99515	0.003151	0.166641
	0.287522	2.994918	0.003153	0.16665
DNAJC3	-0.24903	-2.99567	0.003146	0.166641
	0.381118	2.994441	0.003158	0.166683
MYCBPAP;COL1A1;ENSG00000248954;CACNA1G;SGCA	-0.30718	-2.99548	0.003148	0.166641
	0.234586	2.995337	0.003149	0.166641
	-0.27191	-2.99705	0.003133	0.16639
	-0.40661	-2.99736	0.00313	0.16639
	-0.24528	-2.9958	0.003145	0.166641
	-0.31582	-2.99749	0.003128	0.16639
GNA14	-0.3102	-2.99455	0.003157	0.166683
	0.303087	2.996099	0.003142	0.166553
	0.251941	2.996333	0.00314	0.166484
	0.36839	2.995625	0.003146	0.166641
	0.30627	2.993961	0.003163	0.166683

DEPDC1B	0.379308	2.997075	0.003132	0.16639
SLC25A45;FERMT3	-0.21412	-2.99665	0.003137	0.166441
RAB36;C22orf15;RTDR1;ENSG00000272019;GNAZ;CABIN1;MM P11	-0.47597	-2.99515	0.003151	0.166641
ADAMTS7	-0.32111	-2.99533	0.003149	0.166641
RASGRP3	-0.43614	-2.99494	0.003153	0.16665
PHF1;HMGA1;KIFC1;BAK1;PFDN6	-0.40245	-2.99619	0.003141	0.166524
	-0.40317	-2.99631	0.00314	0.166484
UQCC2;PFDN6	-0.39071	-2.99444	0.003158	0.166683
	-0.28728	-2.99667	0.003136	0.166441
	-0.35861	-2.9951	0.003152	0.166641
	-0.35012	-2.99509	0.003152	0.166641
	-0.21968	-2.99582	0.003145	0.166641
ADAMTSL5;PALM	0.264509	2.995224	0.00315	0.166641
	0.251902	2.993907	0.003163	0.166683
	-0.31428	-2.99565	0.003146	0.166641
	0.345145	2.993938	0.003163	0.166683
	0.168416	2.995311	0.00315	0.166641
SLC12A1	0.369053	2.993502	0.003167	0.166683
SPAG17	-0.37353	-2.99529	0.00315	0.166641
ASAP1	0.383922	2.995295	0.00315	0.166641
ENSG00000268838;TBC1D2B;HYKK	0.353253	2.993822	0.003164	0.166683
	-0.25301	-2.99472	0.003155	0.166671
	0.23878	2.994997	0.003153	0.16665
ANKRD10	0.35772	2.993879	0.003164	0.166683
	0.360633	2.994862	0.003154	0.166658
	-0.19361	-2.99354	0.003167	0.166683
	0.380697	2.994138	0.003161	0.166683
	0.368065	2.993646	0.003166	0.166683
UAP1;C1orf110;OLFML2B;DDR2;RGS5	0.323027	2.993387	0.003168	0.166683
	0.315403	2.994619	0.003156	0.166681
	-0.30953	-2.99399	0.003163	0.166683
	-0.30116	-2.99387	0.003164	0.166683
	0.1867	2.993514	0.003167	0.166683
	0.243153	2.994665	0.003156	0.166678
	0.319278	2.992559	0.003177	0.166924
DNAAF2;PYGL	0.422285	2.994514	0.003157	0.166683
ATR;ACPL2;TFDP2	0.272617	2.994388	0.003159	0.166683
	0.521196	2.993572	0.003167	0.166683
PPP4R1L;ZBP1;RAE1	-0.4124	-2.9951	0.003152	0.166641
	-0.28324	-2.99473	0.003155	0.166671
	-0.30937	-2.9935	0.003167	0.166683
TIE1;EBNA1BP2;TMEM125;PTPRF;ST3GAL3;C1orf210	-0.46262	-2.99351	0.003167	0.166683
BATF2	0.2962	2.994967	0.003153	0.16665
	-0.1637	-2.99197	0.003182	0.167029
	0.198657	2.992659	0.003176	0.166924
MRPL23;NAP1L4	-0.42244	-2.9916	0.003186	0.167108

	0.27817	2.993777	0.003165	0.166683
	0.258787	2.991275	0.003189	0.167164
	0.229813	2.992205	0.00318	0.166989
	0.34416	2.990457	0.003198	0.167324
	0.245524	2.993447	0.003168	0.166683
SLBP;CRIPAK;ZNF721	0.182695	2.991488	0.003187	0.167108
	0.293444	2.993338	0.003169	0.166688
	0.30209	2.992488	0.003177	0.166924
NRXN2;SIPA1;RASGRP2;CD248;MAP4K2;EFEMP2;CST6;TM7SF2				
;PPP2R5B;PYGM;LTBP3;MAP3K11;SLC25A45;EHBP1L1;EHD1;R				
NASEH2C	-0.40433	-2.99148	0.003187	0.167108
TTC39A;FAF1;RAB3B;ENSG00000261664;RNF11	-0.34417	-2.9931	0.003171	0.166778
	-0.34264	-2.99342	0.003168	0.166683
	0.288545	2.993435	0.003168	0.166683
PDCD6	0.301927	2.993752	0.003165	0.166683
MLKL	0.292204	2.99363	0.003166	0.166683
	0.252992	2.991616	0.003186	0.167108
	0.288978	2.993085	0.003171	0.166778
	0.358124	2.994069	0.003162	0.166683
	-0.29063	-2.99258	0.003176	0.166924
	-0.24905	-2.99282	0.003174	0.166893
LCK	0.434256	2.993544	0.003167	0.166683
NDFIP2	-0.39147	-2.99251	0.003177	0.166924
	0.354317	2.992677	0.003176	0.166924
	0.403051	2.99223	0.00318	0.166989
	0.384622	2.989452	0.003208	0.16756
	-0.37259	-2.99227	0.003179	0.166989
	0.307136	2.993461	0.003168	0.166683
	-0.24618	-2.99013	0.003201	0.167399
	0.272354	2.990934	0.003193	0.16722
RFTN1;EAF1-AS1	0.324422	2.990719	0.003195	0.167269
	0.143121	2.991197	0.00319	0.167184
WDR45B;C17orf89	-0.39929	-2.99254	0.003177	0.166924
ATF7;KRT7;PFDN5;MAP3K12;KRT18	-0.26416	-2.99175	0.003185	0.167084
	0.144328	2.991309	0.003189	0.167164
	0.295307	2.989653	0.003205	0.167516
	0.424954	2.992299	0.003179	0.166989
	-0.21225	-2.99208	0.003181	0.167022
CES2	-0.3246	-2.99063	0.003196	0.167274
UNC13B;STOML2;KIAA1161	-0.42797	-2.99206	0.003182	0.167022
CRADD	-0.23196	-2.99059	0.003196	0.167277
MFSD4;DYRK3	-0.29842	-2.99177	0.003184	0.167084
	-0.44989	-2.99037	0.003198	0.167341
PPP1R7;FARP2	-0.31491	-2.99186	0.003184	0.167066
	0.272299	2.989233	0.00321	0.167595
PCDHAC2	0.395856	2.984271	0.00326	0.168542
	-0.53158	-2.99091	0.003193	0.16722

MGAM	-0.33692	-2.992	0.003182	0.167029
	0.394861	2.988635	0.003216	0.167724
DNAJB1;TECR;CACNA1A	-0.34976	-2.99153	0.003187	0.167108
	0.493731	2.990997	0.003192	0.16722
GFM2;FAM169A;HMGCR	0.342977	2.989227	0.00321	0.167595
	-0.39339	-2.99066	0.003196	0.167274
SLC2A5;ENSG00000234546	-0.30232	-2.99002	0.003202	0.16743
	-0.30931	-2.99146	0.003188	0.167108
	0.213838	2.989125	0.003211	0.167628
	-0.21416	-2.99104	0.003192	0.16722
	-0.2556	-2.98848	0.003217	0.167724
	0.312683	2.989581	0.003206	0.167517
	0.40615	2.990345	0.003199	0.167341
	-0.27587	-2.98981	0.003204	0.167476
	0.354611	2.990998	0.003192	0.16722
	-0.2911	-2.99089	0.003193	0.16722
GPSM1	-0.22429	-2.98861	0.003216	0.167724
FAT4	0.38714	2.989809	0.003204	0.167476
NOP56	0.309778	2.989721	0.003205	0.167502
	0.225312	2.988692	0.003215	0.167724
	0.295784	2.988133	0.003221	0.167724
VSTM4;FRMPD2;ARHGAP22;C10orf128;ENSG00000232462;W	0.294656	2.990115	0.003201	0.167399
	0.397278	2.990845	0.003194	0.167224
DFY4;PTPN20CP	0.284055	2.989968	0.003202	0.167435
	0.231562	2.987483	0.003227	0.167838
PLEKHM3;KLF7;ADAM23;MDH1B	0.358829	2.990176	0.0032	0.167399
ABCA7	-0.30993	-2.98864	0.003216	0.167724
	-0.40468	-2.98804	0.003222	0.167724
ENSG00000224992;SURF4	-0.36377	-2.98925	0.003209	0.167595
	-0.33434	-2.98837	0.003218	0.167724
	-0.16402	-2.98784	0.003224	0.167765
	0.370142	2.987553	0.003226	0.167833
	-0.36804	-2.98827	0.003219	0.167724
	0.372519	2.986748	0.003235	0.168008
SH3BP4;ACKR3	-0.32335	-2.98823	0.00322	0.167724
	-0.5742	-2.98747	0.003227	0.167838
	0.273454	2.988142	0.003221	0.167724
	0.423263	2.989573	0.003206	0.167517
	-0.28218	-2.98804	0.003222	0.167724
	0.645873	2.987906	0.003223	0.167765
	0.341312	2.986137	0.003241	0.168193
	-0.27486	-2.98734	0.003229	0.167846
ITGAX;ITGAL;ITGAM;SEPT1;C16orf93;TGFB11	-0.33614	-2.98846	0.003217	0.167724
	-0.2702	-2.9881	0.003221	0.167724
	0.375689	2.988699	0.003215	0.167724
	-0.31668	-2.98705	0.003231	0.167931

WNT9A	-0.40841	-2.98928	0.003209	0.167595
OARD1	-0.36029	-2.98551	0.003247	0.16831
	0.281731	2.987762	0.003224	0.167765
	0.357424	2.987865	0.003223	0.167765
SLC44A4;PPP1R18;CLIC1;NELFE;PPP1R11;DDR1;HSPA1A;BAG6; NRM;HSPA1L;LY6G5C;TRIM39;MDC1;VWA7;DHX16;PPP1R10;C 6orf25;MRPS18B;HSPA1B	-0.38863	-2.9848	0.003254	0.168388
	-0.3114	-2.98883	0.003214	0.167724
	0.255822	2.98837	0.003218	0.167724
CCR1;PTPN23	-0.34725	-2.98733	0.003229	0.167846
MPHOSPH9	0.215427	2.988532	0.003217	0.167724
	0.359639	2.988047	0.003222	0.167724
	0.290975	2.987249	0.00323	0.16787
FAM160A1;TMEM154	-0.40337	-2.98828	0.003219	0.167724
DDX18P1	0.426841	2.988376	0.003218	0.167724
	-0.24135	-2.98824	0.00322	0.167724
	0.356396	2.988535	0.003217	0.167724
HLA-K;HLA-H;OR2I1P	-0.23811	-2.98691	0.003233	0.167965
CCDC65;PRPH;ENSG00000258334;KCNH3;TUBA1A;ENSG00000 257954	-0.35093	-2.98589	0.003243	0.168204
	0.265961	2.987789	0.003224	0.167765
	0.261993	2.984762	0.003255	0.168388
RPL13P12	0.248702	2.987185	0.00323	0.167883
	0.470935	2.986038	0.003242	0.168193
	0.373943	2.987419	0.003228	0.167842
SLC35G2	-0.42261	-2.98587	0.003243	0.168204
	-0.49099	-2.98762	0.003226	0.167818
	0.214916	2.985992	0.003242	0.168193
PSMG3;IQCE;GNA12	-0.43432	-2.98687	0.003233	0.167966
PKD1L1	-0.39667	-2.98456	0.003257	0.168456
	-0.3891	-2.98449	0.003257	0.168475
	0.153751	2.986112	0.003241	0.168193
LRRC15;FAM43A	0.256464	2.984975	0.003252	0.168388
	0.342461	2.985075	0.003251	0.168388
	-0.269	-2.98494	0.003253	0.168388
LRRC71;KIRREL;IQGAP3;GPATCH4;PMF1;KIRREL- IT1;FCRL5;PEAR1;NES;CRABP2;HDGF;LMNA	-0.37718	-2.98437	0.003259	0.168519
	-0.26736	-2.98242	0.003278	0.168989
LEPREL2;ATN1;VWF;GNB3;ANO2;SCNN1A;NTF3;IFFO1;ENSG00 000257084;CD27-AS1;PTMS	-0.32337	-2.9851	0.003251	0.168388
	-0.23513	-2.98697	0.003232	0.167952
	0.281295	2.986046	0.003242	0.168193
CLSTN3;CD27;IFFO1	0.255489	2.986296	0.003239	0.168163
	0.31639	2.982937	0.003273	0.1689
	0.363992	2.98564	0.003246	0.168281
	-0.30539	-2.98637	0.003238	0.168147
	0.325676	2.984177	0.00326	0.168556

ASF1B	-0.26754	-2.9861	0.003241	0.168193
	-0.22218	-2.98491	0.003253	0.168388
VASH1	-0.25484	-2.98645	0.003238	0.168124
	0.294612	2.98544	0.003248	0.168324
RPAP2;TGFB3;EVI5	-0.44573	-2.98487	0.003253	0.168388
	0.367115	2.984732	0.003255	0.168388
TJP1	-0.53761	-2.98552	0.003247	0.16831
	0.354956	2.986453	0.003238	0.168124
WBSCR22;ABHD11;CLDN3;ENSG00000233369	0.208547	2.985234	0.00325	0.168388
	0.217296	2.983928	0.003263	0.168646
	0.414719	2.985964	0.003242	0.168193
FDFT1;FAM167A;C8orf12;NEIL2;ENSG00000269918	-0.36979	-2.98318	0.003271	0.168833
ENSG00000240087	-0.30114	-2.98483	0.003254	0.168388
DNAH11;RAPGEF5;ENSG00000228649;FAM221A;FAM126A;CD				
CA7L;CCDC126	-0.47061	-2.98332	0.003269	0.168833
	0.382521	2.98513	0.003251	0.168388
GPHN	-0.39476	-2.98235	0.003279	0.16899
GPSM1;EGFL7	-0.3012	-2.98533	0.003249	0.168363
	-0.23298	-2.98494	0.003253	0.168388
	-0.16925	-2.98572	0.003245	0.168259
	0.297163	2.984841	0.003254	0.168388
	0.262813	2.981524	0.003287	0.169155
	0.423159	2.984244	0.00326	0.168542
	0.181176	2.983472	0.003268	0.168824
	0.327156	2.983511	0.003267	0.168824
CYB561;DDX5	0.321309	2.983101	0.003271	0.168854
	0.21427	2.982338	0.003279	0.16899
	-0.29742	-2.98279	0.003275	0.168934
CCDC40;PCYT2;LRRC45;BAIAP2-AS1;MAFG-				
AS1;ENSG00000261924;TMEM105;NOTUM;LINC00482	-0.44489	-2.9832	0.00327	0.168833
	0.187305	2.982416	0.003278	0.168989
	0.268927	2.982994	0.003272	0.16889
	0.214302	2.982021	0.003282	0.169054
	0.334861	2.982287	0.00328	0.168992
	0.388079	2.983232	0.00327	0.168833
BSN;CACNA2D2;C3orf18;RASSF1;AMT;SEMA3B;DOCK3;UBA7	-0.30758	-2.98398	0.003262	0.168639
	0.318328	2.981444	0.003288	0.169155
	-0.34906	-2.98326	0.00327	0.168833
SUDS3;CCDC60;TAOK3	0.38196	2.983223	0.00327	0.168833
MRPL23;CARS;ENSG00000255367;IGF2	-0.44018	-2.98262	0.003276	0.168981
	-0.29536	-2.98161	0.003287	0.169155
	0.349052	2.979528	0.003308	0.169622
FNBP1;PKN3;TBC1D13;LINC00963;DOLPP1	-0.30691	-2.98136	0.003289	0.169155
ASB4;ENSG00000231170;SHFM1	-0.4686	-2.98289	0.003274	0.168903
TBC1D8;IL1RL1;RFX8;ENSG00000272902;IL18R1	-0.32351	-2.98006	0.003302	0.169554
	-0.27826	-2.98215	0.003281	0.169009

CARD11;IQCE;GNA12;TMEM184A;PSMG3;SDK1 ROR2	-0.34251	-2.98259	0.003277	0.168981
	0.351844	2.983658	0.003266	0.168767
	-0.28699	-2.98047	0.003298	0.169501
	-0.35246	-2.98261	0.003276	0.168981
TRAF4;TLCD1;IFT20;NLK;SPAG5;KIAA0100;TIAF1	-0.43974	-2.98222	0.00328	0.168992
	0.268738	2.982229	0.00328	0.168992
FAM78A	0.400092	2.983414	0.003268	0.168833
	-0.30959	-2.98245	0.003278	0.168989
TNRC6C;TIMP2;ENSG00000178404;C1QTNF1;TMC8;CBX2	-0.48693	-2.98134	0.003289	0.169155
SLC45A1;SPSB1;RERE	-0.37356	-2.98158	0.003287	0.169155
PPP1R11;GABBR1	0.335452	2.980086	0.003302	0.169554
	0.2665	2.981373	0.003289	0.169155
SAP30;HAND2-AS1	0.349584	2.978982	0.003313	0.169764
	0.290378	2.981405	0.003289	0.169155
METTL8;ITGA6;SLC25A12;RAPGEF4;ENSG00000225205	-0.39976	-2.97983	0.003305	0.169593
	0.295124	2.981964	0.003283	0.169064
	0.275703	2.98081	0.003295	0.169343
	0.225602	2.98101	0.003293	0.169279
	-0.40708	-2.98249	0.003278	0.168989
EBF2;DPYSL2;ADRA1A;BNIP3L	-0.37784	-2.97983	0.003305	0.169593
MIR143HG;MIR145;ENSG00000253864;MIR143	0.346548	2.979872	0.003304	0.169593
	-0.28198	-2.98132	0.003289	0.169155
	-0.30561	-2.97893	0.003314	0.169764
PIK3C2B;MDM4;NFASC	0.229579	2.981629	0.003286	0.169155
SNPH;SIRPA	-0.40044	-2.97895	0.003314	0.169764
	0.313002	2.980121	0.003302	0.169554
	-0.19684	-2.98019	0.003301	0.169554
CERK;ATXN10	0.400543	2.981445	0.003288	0.169155
PLAGL1	-0.48368	-2.98142	0.003288	0.169155
	0.334602	2.979805	0.003305	0.169593
PVT1	-0.53912	-2.98116	0.003291	0.169222
	0.351745	2.979013	0.003313	0.169764
	0.288374	2.979385	0.003309	0.169644
HLA-DQA2;SLC44A4;HCG25	0.313733	2.980281	0.0033	0.169554
UBTD1	-0.32198	-2.97887	0.003315	0.169774
UBASH3A;RIPK4	0.478494	2.980843	0.003294	0.169343
	0.165172	2.979506	0.003308	0.169622
	0.337838	2.97921	0.003311	0.169716
	0.369446	2.979656	0.003307	0.169622
	0.260862	2.979792	0.003305	0.169593
	0.196318	2.979589	0.003307	0.169622
PLAGL1;PHACTR2;SF3B5	0.437234	2.980165	0.003301	0.169554
	0.244846	2.977381	0.00333	0.170089
	-0.35116	-2.97825	0.003321	0.169888
CECR2	-0.40986	-2.98041	0.003299	0.169514
ACSL6	0.311347	2.979507	0.003308	0.169622
C11orf95	-0.31145	-2.97689	0.003335	0.170285

	0.418561	2.980168	0.003301	0.169554
	0.341332	2.977921	0.003324	0.169959
	0.282267	2.978531	0.003318	0.169863
WDR45B;PCYT2;NOTUM;LRRC45;MAFG-AS1;ZNF750	-0.50199	-2.97779	0.003326	0.169992
C19orf25	0.318183	2.978448	0.003319	0.169873
	0.241704	2.978105	0.003322	0.169932
C22orf34;MAPK12;RABL2B	0.301462	2.979139	0.003312	0.169733
PEX6	-0.39001	-2.97798	0.003324	0.169956
LAMC2	0.315976	2.978813	0.003315	0.169782
	0.3766	2.978367	0.00332	0.169888
	-0.34396	-2.97954	0.003308	0.169622
ZDHHC14;EZR;TAGAP;TATDN2P2	-0.33328	-2.97942	0.003309	0.169644
	0.368845	2.978049	0.003323	0.169941
LRRC43;KNTC1;MORN3;UNC119B;WDR66;DIABLO	-0.38176	-2.97758	0.003328	0.170028
	0.376898	2.97855	0.003318	0.169863
GPR133;FZD10-AS1	0.253103	2.974878	0.003356	0.170884
	0.216013	2.976345	0.003341	0.170437
	0.418484	2.977412	0.00333	0.170089
COX7A2L	0.272685	2.978236	0.003321	0.169888
	0.324428	2.978657	0.003317	0.169845
NID1;RYP2;MTR	-0.4054	-2.97851	0.003318	0.169863
SKI	-0.25708	-2.9776	0.003328	0.170028
SNORA23	-0.21426	-2.97457	0.003359	0.170983
FGF1;PCDHGA5;PCDHGC3;PCDHGB2;PCDHB1;KIAA0141;PCDH				
GA2;PCDH1;PCDH12;SPRY4;PCDHGA3;PCDHB13;PCDHB9;PCDH				
GB3;GNPDA1;PCDHGA9;PCDHB5;PCDHB7;PCDHB10;PCDHB14;				
ARHGAP26;PCDHB16;PCDHGA7;PCDHGA4;ARAP3;PCDHB8;PCD				
HB12;PCDHB11;PCDHB2;PCDHAC1;PCDHGB7;PCDHB15;PCDHG				
B1;PCDHB18;PCDHGA11;PCDHGA8;PCDHGB6;PCDHB4	-0.38547	-2.97825	0.003321	0.169888
ATXN2;TCTN1;TMEM116	-0.25617	-2.97607	0.003343	0.170515
CARS	0.284027	2.977575	0.003328	0.170028
	-0.21224	-2.97707	0.003333	0.170214
CBL;SLC37A4;MCAM;PHLDB1	-0.24508	-2.97626	0.003342	0.170437
	-0.46121	-2.9779	0.003325	0.169959
DIO3OS;RCOR1;DIO3;ANKRD9	-0.46972	-2.97823	0.003321	0.169888
ADAM8;FUOM	-0.23909	-2.97728	0.003331	0.170125
	-0.3915	-2.97776	0.003326	0.169992
	0.379687	2.976533	0.003339	0.170437
LATS2;MICU2;LATS2-AS1	0.414766	2.97536	0.003351	0.170729
B3GNT3;JAK3	-0.37969	-2.97588	0.003345	0.170528
MT1E;NLRC5;COQ9;GNAO1;MT1F	-0.46287	-2.97526	0.003352	0.170746
	0.239787	2.976381	0.00334	0.170437
	0.364814	2.974842	0.003356	0.170884
	0.363028	2.975541	0.003349	0.170675
	0.233294	2.974358	0.003361	0.171015
CEP104;MEGF6;TP73-AS1;TP73;DFFB	0.331445	2.974971	0.003355	0.170874



	0.216262	2.974834	0.003356	0.170884
	0.417738	2.976024	0.003344	0.170521
SLBP	0.291836	2.976272	0.003341	0.170437
SNHG3;SPCS2P4;SNORA73B	0.208274	2.976382	0.00334	0.170437
CD9;IFFO1;CLSTN3;ANO2;LEPREL2;VWF;CHD4;MRPL51;COPS7				
A;ATN1	-0.41661	-2.97424	0.003363	0.171034
ENSG00000227038;STYXL1;POR;MDH2	-0.64929	-2.97591	0.003345	0.170528
C6orf132;RRP36	-0.37777	-2.97631	0.003341	0.170437
PTPRN2;ENSG00000231980;WDR60	-0.35902	-2.97317	0.003374	0.171181
	-0.32477	-2.97427	0.003362	0.171034
	-0.39333	-2.97379	0.003367	0.171113
LRBA;ENSG00000251611;FAM160A1;TMEM154	0.242871	2.976357	0.003341	0.170437
	-0.22227	-2.9737	0.003368	0.171113
RTN4RL1	-0.26062	-2.97409	0.003364	0.171035
FAM81A;MYO1E;CGNL1	-0.41656	-2.97418	0.003363	0.171034
HOXB4;PRR15L;HOXB3;TBKBP1;HOXB-				
AS2;LRRC46;MIR10A;NPEPPS;TTLL6;COPZ2;HOXB-				
AS3;CALCOCO2;ITGB3;EFCAB13	0.413862	2.975985	0.003344	0.170521
	-0.27275	-2.97547	0.00335	0.170689
ENSG00000266696	0.214548	2.973671	0.003368	0.171113
	0.322361	2.976484	0.003339	0.170437
	0.206551	2.974476	0.00336	0.171014
	-0.26955	-2.9728	0.003378	0.171204
	-0.43631	-2.97586	0.003346	0.170528
	0.325355	2.973877	0.003366	0.171128
ZNF300P1	0.339222	2.974798	0.003357	0.170884
	0.202288	2.972002	0.003386	0.171345
	-0.35878	-2.97377	0.003367	0.171113
	-0.37536	-2.97253	0.00338	0.171227
DNAH3;VWA3A;ERI2;ENSG00000005189;LYRM1;EEF2K;DCUN1				
D3	-0.22739	-2.97279	0.003378	0.171204
	0.241204	2.97417	0.003363	0.171034
	0.256264	2.97409	0.003364	0.171035
PPP1R14C;CCDC170;AKAP12;C6orf211;MTHFD1L	0.378356	2.973537	0.00337	0.171113
	0.428889	2.975251	0.003352	0.170746
RTN4IP1	0.271316	2.973489	0.00337	0.171113
	-0.20089	-2.97203	0.003386	0.171345
LINC00675	0.356254	2.973055	0.003375	0.171181
	-0.26748	-2.97363	0.003369	0.171113
TJP3;PTPRS;GIPC3;LRG1;TNFAIP8L1;SEMA6B;APBA3;C19orf10	-0.37486	-2.97252	0.00338	0.171227
	-0.40981	-2.97307	0.003375	0.171181
	0.335388	2.973528	0.00337	0.171113
	-0.28011	-2.97221	0.003384	0.171302
APOBEC4;TRMT1L;LAMC2	-0.29935	-2.97175	0.003389	0.171345
GPR183	0.357168	2.974377	0.003361	0.171015
	0.24377	2.974386	0.003361	0.171015

ENSG00000229951	-0.41547	-2.9735	0.00337	0.17113
	-0.32507	-2.97306	0.003375	0.171181
	0.243062	2.972737	0.003378	0.171204
	-0.39758	-2.97306	0.003375	0.171181
RABL2B;DENND6B	0.363781	2.97251	0.003381	0.171227
	0.235745	2.971487	0.003391	0.171402
	0.365455	2.972461	0.003381	0.171227
ENSG00000251307;FST;DHX29;CCNO	-0.44102	-2.97337	0.003372	0.171171
	0.342096	2.971483	0.003391	0.171402
	0.297402	2.973229	0.003373	0.171181
	0.307566	2.97101	0.003396	0.171516
ASAH2B	0.154444	2.972931	0.003376	0.171204
	0.343667	2.971798	0.003388	0.171345
	-0.32943	-2.97073	0.003399	0.171576
	-0.19311	-2.97	0.003407	0.171762
LDB1;KCNI2;FAM178A;DPCD;C10orf32	0.480381	2.972129	0.003385	0.171323
	0.243544	2.971613	0.00339	0.171384
	-0.53599	-2.97307	0.003375	0.171181
	-0.52873	-2.97132	0.003393	0.171448
IRF8;ZCCHC14	-0.5928	-2.96866	0.003421	0.171928
	-0.31564	-2.97185	0.003387	0.171345
	-0.30036	-2.97305	0.003375	0.171181
	0.260292	2.97283	0.003377	0.171204
DENND3;TRAPPC9;SLC45A4	0.307139	2.973605	0.003369	0.17113
	-0.71486	-2.96825	0.003425	0.171977
	-0.34734	-2.97242	0.003381	0.171227
	-0.22534	-2.97267	0.003379	0.171217
POLE	-0.26854	-2.97053	0.003401	0.171645
	-0.34882	-2.97228	0.003383	0.171286
	0.159131	2.971592	0.00339	0.171384
	0.366474	2.972735	0.003378	0.171204
JAK3;FCHO1;IL12RB1;BST2;MYO9B;PLVAP	-0.35495	-2.97276	0.003378	0.171204
	-0.36798	-2.9719	0.003387	0.171345
	0.347509	2.971812	0.003388	0.171345
	-0.21964	-2.97085	0.003398	0.171536
DNAJC16;FHAD1;RSG1;KAZN;ENSG00000228140;ARHGEF19;ZB	0.302461	2.969157	0.003416	0.171911
	0.20175	2.971742	0.003389	0.171345
	-0.35007	-2.97176	0.003388	0.171345
	0.294509	2.969458	0.003413	0.171896
TB17;ENSG00000238142	-0.4806	-2.97244	0.003381	0.171227
	-0.32846	-2.97114	0.003395	0.171484
	-0.2956	-2.9697	0.00341	0.171866
	-0.44122	-2.97142	0.003392	0.171416
JHDM1D-AS1;KDM7A	0.209159	2.968879	0.003419	0.171911
CEP68	-0.39523	-2.97028	0.003404	0.171655
SLC17A9	-0.3588	-2.9712	0.003394	0.171475
LRRC15				

PDE2A	0.263198	2.971192	0.003394	0.171475
	-0.23583	-2.96933	0.003414	0.171896
	-0.28265	-2.971	0.003396	0.171516
SGIP1	-0.43295	-2.96936	0.003414	0.171896
	0.310579	2.968849	0.003419	0.171911
	0.214142	2.968885	0.003419	0.171911
	0.31719	2.969654	0.003411	0.171866
	0.402496	2.970461	0.003402	0.171646
	-0.34763	-2.96857	0.003422	0.17193
PARVG;MCAT;TTLL1;LDOC1L	-0.41069	-2.97042	0.003402	0.171646
	0.303694	2.96955	0.003412	0.171896
	-0.33235	-2.97085	0.003398	0.171536
IFNGR1	-0.32895	-2.97063	0.0034	0.171611
	-0.32536	-2.96922	0.003415	0.171911
	-0.19339	-2.96809	0.003427	0.171977
GALE;CLIC4;ID3	0.241022	2.969054	0.003417	0.171911
	-0.33779	-2.97011	0.003406	0.171724
	-0.3431	-2.97096	0.003397	0.171517
MPRIP;LRRC48;ALKBH5;PLD6;MIEF2	-0.43048	-2.96892	0.003418	0.171911
	-0.56075	-2.97035	0.003403	0.171655
	-0.18183	-2.96875	0.00342	0.17192
ARIH1	0.249009	2.968068	0.003427	0.171977
	-0.43272	-2.96803	0.003428	0.171977
	-0.33019	-2.96937	0.003414	0.171896
CEP104;DFFB;MEGF6;TP73-AS1	-0.46725	-2.96896	0.003418	0.171911
	0.236754	2.968004	0.003428	0.171977
	0.275508	2.967959	0.003428	0.171979
	0.153629	2.968949	0.003418	0.171911
	0.399141	2.96986	0.003408	0.171817
DHRS7B;B9D1;MFAP4;ULK2;MAPK7;LGALS9B;MEIS3P2;SLC47A1	-0.51367	-2.96813	0.003427	0.171977
	-0.35586	-2.96854	0.003422	0.17193
	-0.2717	-2.96952	0.003412	0.171896
	0.242806	2.9688	0.00342	0.171915
	-0.31361	-2.96814	0.003427	0.171977
	0.301479	2.968715	0.00342	0.17192
ITGB2;TRPM2	-0.85844	-2.97041	0.003403	0.171646
	0.252545	2.96789	0.003429	0.171986
	0.429684	2.969383	0.003413	0.171896
DNMBP;ERLIN1;HPSE2;ENTPD7;CHUK;BLOC1S2	0.139721	2.96809	0.003427	0.171977
	-0.3687	-2.97029	0.003404	0.171655
	-0.48199	-2.96885	0.003419	0.171911
PPFIBP1;PTHLH;KLHL42;ENSG00000248100;ENSG00000247934;ITPR2;ENSG00000256056	0.268734	2.968846	0.003419	0.171911
	-0.36759	-2.96555	0.003454	0.172537
	0.297261	2.967618	0.003432	0.172052
	0.314062	2.968435	0.003423	0.171968

	0.324604	2.966867	0.00344	0.17226
	0.451009	2.968851	0.003419	0.171911
GPATCH2L;LTBP2;MLH3;IFT43;TGFB3;PGF;ZC2HC1C;TTLL5;FCF1 ;ISCA2;ENSG00000259319	-0.45383	-2.96765	0.003432	0.172052
	0.681499	2.969672	0.00341	0.171866
	-0.32587	-2.96804	0.003428	0.171977
COL4A1;COL4A2;RAB20;ANKRD10	-0.29683	-2.96713	0.003437	0.17219
	0.315939	2.968568	0.003422	0.17193
	0.325055	2.967838	0.00343	0.171986
	0.421773	2.965998	0.003449	0.172437
KIF21B;NR5A2	0.275354	2.968001	0.003428	0.171977
AGAP1	0.297726	2.966604	0.003443	0.172291
	-0.5068	-2.96705	0.003438	0.172199
	0.253531	2.967594	0.003432	0.172052
	0.290926	2.967489	0.003433	0.17207
NARS2	-0.39789	-2.96462	0.003464	0.17271
NKD2	0.513897	2.967286	0.003436	0.17215
	-0.26603	-2.96653	0.003444	0.172291
	0.234124	2.966809	0.003441	0.172267
	0.17257	2.96488	0.003461	0.172644
	0.304691	2.967105	0.003438	0.17219
	-0.65321	-2.96565	0.003453	0.172521
	-0.38013	-2.96783	0.00343	0.171986
BHMT	-0.56837	-2.96812	0.003427	0.171977
UBXN11;NUDC;PIGV;ZDHHC18;CNKSR1;HMG2	-0.32692	-2.96655	0.003443	0.172291
JAM3;IGSF9B	0.415264	2.966456	0.003444	0.172294
FNDC5;S100BPB	-0.44488	-2.96654	0.003444	0.172291
	0.255178	2.965107	0.003459	0.172589
	0.29231	2.967483	0.003434	0.17207
	0.146787	2.966289	0.003446	0.172343
WDR45B;PCYT2;PYCR1	-0.49126	-2.9665	0.003444	0.172291
SMAP2;RHBDL2;CITED4;AKIRIN1;MACF1;ZMPSTE24;BMP8B;MF SD2A;KCNQ4;HEYL	0.330516	2.963552	0.003475	0.172862
	0.271364	2.967256	0.003436	0.17215
	-0.42322	-2.96516	0.003458	0.172581
FGD5;SH3BP5	-0.28831	-2.96672	0.003442	0.172291
	-0.41022	-2.96686	0.00344	0.17226
ANKRD11;PIEZO1;TRAPPC2L	0.347651	2.9663	0.003446	0.172343
ARL6;DCBLD2;ENSG00000233280;CLDND1;CRYBG3;ST3GAL6	-0.36855	-2.96453	0.003465	0.172724
NUAK2;PIK3C2B;MDM4	-0.38952	-2.96561	0.003453	0.172521
	0.264019	2.965167	0.003458	0.172581
	-0.31307	-2.96622	0.003447	0.172358
	-0.64351	-2.96433	0.003467	0.17276
	0.339631	2.9642	0.003469	0.172811
	-0.28818	-2.96586	0.003451	0.172471
	0.602458	2.963553	0.003475	0.172862

JAK3;BST2;FCHO1;ENSG00000269640;IL12RB1;ENSG00000254503;LRRC25;B3GNT3;MAST3	-0.50349	-2.96664	0.003442	0.172291
FAM92B;C16orf74;MTHFSD;USP10	-0.29125	-2.96527	0.003457	0.172581
	-0.36255	-2.96533	0.003456	0.17258
LINC00900;CADM1	0.267022	2.964635	0.003464	0.17271
AGAP2	0.283251	2.965719	0.003452	0.172505
	-0.2197	-2.96518	0.003458	0.172581
	0.26067	2.965939	0.00345	0.172449
SNCG;GRID1;MMRN2;MINPP1	0.259601	2.964903	0.003461	0.172644
PCSK4;GRIN3B;CNN2;PALM	-0.28703	-2.96602	0.003449	0.172437
	0.200755	2.964116	0.003469	0.172816
FERMT2;NID2;ERO1L;PTGDR	-0.45588	-2.96532	0.003457	0.17258
COTL1	-0.37263	-2.96338	0.003477	0.17289
	-0.25948	-2.96531	0.003457	0.17258
RPL27	0.273725	2.962023	0.003492	0.17319
	-0.41768	-2.96472	0.003463	0.172694
	0.329517	2.965399	0.003456	0.17258
DNAJB6	-0.41708	-2.96485	0.003462	0.172644
	0.135471	2.96415	0.003469	0.172816
AAGAB;RAB11A	-0.55522	-2.9636	0.003475	0.172862
DNM1P47	-0.28498	-2.9637	0.003474	0.172862
	-0.26822	-2.96404	0.00347	0.172837
	0.358704	2.963163	0.00348	0.172942
REEP6	-0.20938	-2.96372	0.003474	0.172862
	0.258558	2.965776	0.003452	0.172495
	-0.1609	-2.96174	0.003495	0.173222
	0.254414	2.962916	0.003482	0.172974
CXCR2;PNKD	0.214949	2.963201	0.003479	0.172942
WDR45B;PCYT2;LRRC45;SLC25A10;NOTUM;CCDC57	-0.32068	-2.96161	0.003496	0.173247
	-0.18427	-2.96368	0.003474	0.172862
	-0.29411	-2.96451	0.003465	0.172724
	-0.32076	-2.96485	0.003462	0.172644
	0.305245	2.964464	0.003466	0.172731
	0.43413	2.962589	0.003486	0.173068
	-0.2116	-2.96377	0.003473	0.172862
RQCD1;DNAJB2;STK11IP	0.288651	2.964424	0.003466	0.172732
C1orf216	-0.347	-2.96304	0.003481	0.17297
	0.162671	2.963976	0.003471	0.172851
	0.260482	2.96354	0.003476	0.172862
	0.298919	2.963455	0.003477	0.172879
	0.554388	2.962483	0.003487	0.173094
	0.413311	2.962373	0.003488	0.173123
	0.292087	2.963035	0.003481	0.17297
POC1B	-0.3973	-2.96294	0.003482	0.172974
TMC8;TMC6;TNRC6C-AS1;RHBDF2	0.266469	2.962929	0.003482	0.172974
HAL	-0.37139	-2.96246	0.003487	0.173094
	-0.31695	-2.96219	0.00349	0.173183

PPP4R1;VAPA	-0.36876	-2.96151	0.003497	0.173263
PSMA5;LAMTOR5;SYPL2;TAF13;CLCC1	-0.39221	-2.96211	0.003491	0.173183
	0.365299	2.963676	0.003474	0.172862
	-0.33095	-2.96211	0.003491	0.173183
	-0.43605	-2.96274	0.003484	0.173045
	-0.26256	-2.95946	0.00352	0.173576
	0.403512	2.962708	0.003485	0.173045
	0.18778	2.962592	0.003486	0.173068
	0.50344	2.963629	0.003475	0.172862
	0.425564	2.963172	0.00348	0.172942
THNSL2	-0.44321	-2.96205	0.003492	0.17319
C17orf85;SHPK	-0.49859	-2.96378	0.003473	0.172862
CIAPIN1	-0.28099	-2.96136	0.003499	0.173305
	0.28136	2.961958	0.003493	0.173204
TP73-AS1	0.631101	2.963432	0.003477	0.172879
	0.286134	2.959959	0.003514	0.173491
FOXP1-AS1	0.233974	2.960617	0.003507	0.173444
	-0.20475	-2.95982	0.003516	0.173543
	0.361548	2.96031	0.00351	0.173484
	0.25085	2.961762	0.003495	0.173222
	0.284396	2.961795	0.003494	0.173222
	0.160621	2.961194	0.003501	0.173305
	0.264505	2.961807	0.003494	0.173222
	0.298001	2.961168	0.003501	0.173305
	-0.38551	-2.96167	0.003496	0.173236
ENSG00000229852;KCNQ5;EIF3EP1;MTO1;SLC17A5;RIMS1;KH DC1	-0.31819	-2.95891	0.003526	0.173733
	-0.36438	-2.96096	0.003503	0.173348
PTPRF;ERI3	-0.46575	-2.96158	0.003497	0.173247
CYS1;KLF11;RRM2;CPSF3;ADAM17;ENSG00000260077;HPCAL1 FARP1;DOCK9;STK24-AS1;TM9SF2	-0.50675	-2.96212	0.003491	0.173183
	-0.40634	-2.96094	0.003504	0.173348
	0.277486	2.957607	0.00354	0.173951
ENSG00000255367	-0.41947	-2.96111	0.003502	0.173317
	0.217767	2.960081	0.003513	0.173491
	-0.40792	-2.96129	0.0035	0.173305
	0.236798	2.958457	0.003531	0.173841
	0.247476	2.959994	0.003514	0.173491
	0.295179	2.961287	0.0035	0.173305
DNAH10;CCDC92;TCTN2	-0.34866	-2.9612	0.003501	0.173305
TENM2	-0.45573	-2.96097	0.003503	0.173348
MRGPRF	0.205011	2.958572	0.003529	0.173833
SQLE;LINC00964;MTSS1;FER1L6;ZNF572;ENSG00000254000;E NSG00000237586	-0.42361	-2.96001	0.003514	0.173491
PEX6	-0.49415	-2.96072	0.003506	0.173424
	-0.18763	-2.95929	0.003522	0.17363
	-0.2244	-2.95772	0.003539	0.173949

	0.318398	2.961888	0.003493	0.173222
	0.375929	2.959492	0.003519	0.173576
CCDC138;GCC2;SH3RF3-AS1;SULT1C4	0.352802	2.960029	0.003513	0.173491
	0.310126	2.960097	0.003513	0.173491
CARS	0.281121	2.960572	0.003508	0.173444
ARPC5L;RABEPK;SCAI;PSMB7	-0.24504	-2.95879	0.003527	0.173739
C17orf97;DOC2B;ENSG00000262003	0.406729	2.960848	0.003505	0.173376
THBS2	-0.36947	-2.96038	0.00351	0.173484
SEC14L5	-0.43297	-2.96117	0.003501	0.173305
PRKRIRP7;ENSG00000254352	0.218688	2.960423	0.003509	0.173483
	0.426704	2.960328	0.00351	0.173484
	-0.19039	-2.95945	0.00352	0.173576
ENSG00000259225	0.547522	2.95958	0.003518	0.173576
	0.299584	2.960218	0.003511	0.173491
	0.365444	2.960147	0.003512	0.173491
	-0.20496	-2.96045	0.003509	0.173483
	-0.39229	-2.96058	0.003507	0.173444
	0.25955	2.959135	0.003523	0.173672
	0.454238	2.95902	0.003524	0.173693
ZKSCAN1;ZCWPW1;RABL5;ZNF3;AP4M1;EPHB4;ZNHIT1;GAL3S				
T4;MCM7;STAG3;ACHE;ZNF655;ENSG00000260336;TRIP6;ENS				
G00000239521;MOSPD3;GNB2	-0.36885	-2.95845	0.003531	0.173841
	0.294682	2.958854	0.003526	0.173739
SNORA71A;SNORA71D	-0.28424	-2.95907	0.003524	0.173685
RFX2;HSD11B1L;PTPRS;CAPS;ENSG00000267262;CATSPERD;TN				
FSF14;ENSG00000267299	-0.33688	-2.95699	0.003547	0.17401
	0.237401	2.957284	0.003543	0.173975
	0.259087	2.960081	0.003513	0.173491
HES6;TRAF3IP1	-0.24866	-2.95943	0.00352	0.173576
MAP4K1;GMFG;PLEKHG2;PAK4	-0.23511	-2.95945	0.00352	0.173576
	0.238159	2.959571	0.003518	0.173576
SKI;MEGF6;DFFB;RER1;TP73-AS1	0.417725	2.957848	0.003537	0.173921
	0.30337	2.957226	0.003544	0.173975
	-0.15297	-2.9567	0.00355	0.174029
	-0.3297	-2.9592	0.003522	0.173658
	0.328072	2.955468	0.003563	0.17428
	-0.23808	-2.95956	0.003519	0.173576
AKR1C3	-0.26049	-2.95945	0.00352	0.173576
HIGD1B;EFTUD2;NSF;LRRC37A4P;ACBD4	-0.28411	-2.95727	0.003543	0.173975
	-0.22676	-2.95708	0.003546	0.17401
	0.358915	2.958525	0.00353	0.173839
	-0.31448	-2.95765	0.003539	0.173949
CSNK1A1	-0.44306	-2.95683	0.003548	0.17401
	-0.31345	-2.95765	0.003539	0.173949
TPBG;IBTK	-0.26492	-2.95833	0.003532	0.173862
FKBP10;KRT15;TNS4;IGFBP4;KRT23;KRT20;NR1D1;HAP1;KRT17;				
KRT12;MED24;ENSG00000234477;LEPREL4	-0.52948	-2.95822	0.003533	0.173884

TACC2	-0.39836	-2.95879	0.003527	0.173739
	0.171606	2.956221	0.003555	0.174135
	-0.32928	-2.95329	0.003587	0.174815
ENSG00000256139	-0.40738	-2.95824	0.003533	0.173884
TAPSAR1;HCP5	-0.25169	-2.95836	0.003532	0.173862
CDCP1;SLC6A20;LRRC2;ZNF660;CLEC3B;ZNF197;LARS2;LZTFL1;TMEM158;CXCR6	0.297537	2.956243	0.003555	0.174135
	0.334054	2.957026	0.003546	0.17401
RPF2	-0.31087	-2.95466	0.003572	0.174448
STK10;ERGIC1	-0.35145	-2.95541	0.003564	0.174289
	0.247601	2.957882	0.003537	0.173921
FZD4;SYTL2;ENSG00000255471;CCDC89	-0.51995	-2.95656	0.003551	0.174074
	0.367348	2.957256	0.003544	0.173975
RABL2B;C22orf34;DENND6B;ENSG00000235111	0.429633	2.958003	0.003536	0.173898
NUP37;ARL1	0.418931	2.95474	0.003571	0.174438
C4orf32	0.369467	2.958109	0.003534	0.173898
NSFL1C;C20orf96	-0.31025	-2.95805	0.003535	0.173898
	0.316971	2.957734	0.003538	0.173949
	0.404181	2.958002	0.003536	0.173898
	0.290959	2.957186	0.003544	0.173977
	0.474142	2.958089	0.003535	0.173898
	0.266032	2.955778	0.00356	0.174213
LINC00963	0.199772	2.956252	0.003555	0.174135
	0.281888	2.955999	0.003557	0.174194
	0.173737	2.956058	0.003557	0.17419
	0.342033	2.95726	0.003544	0.173975
	0.405122	2.954729	0.003571	0.174438
FADS3;RAB3IL1	0.265359	2.95693	0.003547	0.17401
HES2	-0.23829	-2.95753	0.003541	0.173972
	-0.80544	-2.95693	0.003547	0.17401
	0.302154	2.955848	0.003559	0.174213
CIITA;TXNDC11	-0.38073	-2.95797	0.003536	0.173898
	0.321994	2.956873	0.003548	0.17401
GIMAP8;ATG9B;GIMAP6;REPIN1	0.47254	2.956679	0.00355	0.174029
OSBPL2;C20orf166-AS1;GATA5;ENSG00000228812	-0.21458	-2.95684	0.003548	0.17401
	0.288841	2.955133	0.003567	0.17436
	-0.28703	-2.95604	0.003557	0.17419
	-0.34075	-2.95645	0.003553	0.174074
	-0.39479	-2.95571	0.003561	0.174228
SH3BP2	-0.2876	-2.95531	0.003565	0.174323
CPNE5;PI16;TBC1D22B	-0.33104	-2.95646	0.003552	0.174074
	-0.45413	-2.95674	0.003549	0.174029
	-0.26873	-2.95593	0.003558	0.174211
GPR183	-0.35675	-2.95729	0.003543	0.173975
	0.149602	2.957225	0.003544	0.173975
GFPT2;FLT4;CNOT6;RNF130	0.34704	2.955796	0.00356	0.174213
DHX57;ARHGEF33;MORN2;GEMIN6;RMDN2-AS1;GALM	-0.35928	-2.95356	0.003584	0.17473



	0.27174	2.954492	0.003574	0.174483
	-0.29238	-2.95517	0.003567	0.174359
	0.285451	2.954979	0.003569	0.174397
	0.33609	2.954189	0.003577	0.174568
TMC8	0.361245	2.957303	0.003543	0.173975
SLC12A4;CMTM4;CDH5;GFOD2;FAM65A;ZDHHC1;RANBP10;RLTPR;CES4A;ATP6V0D1;TSNAXIP1;ENKD1;LCAT;TRADD;FAM96B;TPPP3;CMTM3;CBFB;PLEKHG4	-0.46856	-2.95553	0.003563	0.174267
NFIA	-0.41427	-2.95305	0.00359	0.174842
	0.228765	2.955815	0.003559	0.174213
LDLRAD1;SSBP3;GLIS1;PODN;ENSG00000226754;HSPB11;SLC1A7;ENSG00000197015;ORC1;LRP8	-0.26153	-2.95365	0.003583	0.174698
	-0.39822	-2.95398	0.00358	0.174594
ENSG00000229657	0.307201	2.956449	0.003553	0.174074
	0.385313	2.952883	0.003592	0.174861
	-0.35503	-2.95193	0.003602	0.175058
	0.25795	2.955079	0.003568	0.174369
	0.285088	2.95446	0.003574	0.174483
	-0.3336	-2.95367	0.003583	0.174698
	0.349948	2.955225	0.003566	0.174351
	0.212999	2.953814	0.003581	0.174651
C6orf120	-0.3681	-2.95303	0.00359	0.174842
ENSG00000253773;ESRP1;GEM;C8orf37	-0.39257	-2.95464	0.003572	0.174448
	0.264972	2.954917	0.003569	0.174397
	0.331976	2.954498	0.003574	0.174483
	0.420825	2.954945	0.003569	0.174397
	0.307472	2.954297	0.003576	0.174551
	0.343937	2.955599	0.003562	0.174267
MYO10	0.300058	2.953014	0.00359	0.174842
	-0.30016	-2.95315	0.003589	0.174842
	0.394213	2.95553	0.003563	0.174267
BARX2	-0.42254	-2.95423	0.003577	0.174568
	0.258844	2.952233	0.003599	0.175024
UBL3;FLT1	-0.29937	-2.95396	0.00358	0.174594
APBA2;RPL41P2	-0.43963	-2.95406	0.003579	0.174594
	-0.2979	-2.95338	0.003586	0.174804
	0.157375	2.952717	0.003594	0.174882
	0.206073	2.954152	0.003578	0.174569
	0.38015	2.952511	0.003596	0.174944
	0.155566	2.954766	0.003571	0.174438
	-0.30427	-2.95303	0.00359	0.174842
	0.287184	2.953044	0.00359	0.174842
TMPRSS3;RSPH1;TMPRSS2;SLC37A1;TFF3;ENSG00000237989;C21orf128;ENSG00000225431	-0.38943	-2.95294	0.003591	0.174861
	-0.28422	-2.95331	0.003587	0.174815
	0.253569	2.952443	0.003597	0.174951
SYT7;SLC15A3	0.60853	2.9518	0.003604	0.175059

ADAMTSL5;R3HDM4;CIRBP;SBNO2	-0.3109	-2.95146	0.003608	0.175143
	0.29586	2.952858	0.003592	0.174861
	-0.33167	-2.95198	0.003602	0.175058
	-0.27082	-2.95254	0.003596	0.174944
SEPT7P9	0.23683	2.951045	0.003612	0.175267
	0.364603	2.95073	0.003616	0.175297
	0.246801	2.952157	0.0036	0.175045
LRAT	0.468842	2.951946	0.003602	0.175058
	0.340471	2.951472	0.003607	0.175143
	0.300631	2.954005	0.003579	0.174594
ENSG00000258334;FMNL3;SPATS2;ASIC1;PRPH;WNT10B;KCNH3	0.319195	2.952241	0.003599	0.175024
PYGB;ENTPD6	-0.4898	-2.94863	0.003639	0.175486
ENSG00000129951;GRIN3B;ATP8B3;PCSK4;PLEKHJ1	-0.35774	-2.95279	0.003593	0.174861
SYT15 DENND5B;FAM60A	0.310558	2.951538	0.003607	0.17514
	0.315366	2.95192	0.003602	0.175058
	0.271155	2.949915	0.003625	0.175406
	-0.21449	-2.94967	0.003627	0.175406
	0.342628	2.952493	0.003596	0.174944
	0.342355	2.950652	0.003617	0.175312
	-0.32502	-2.9519	0.003603	0.175058
	0.261264	2.952117	0.0036	0.175047
	0.257273	2.949779	0.003626	0.175406
	-0.30379	-2.95156	0.003606	0.17514
IGLL5	-0.22468	-2.95127	0.00361	0.175185
	-0.35699	-2.9528	0.003593	0.174861
	0.366502	2.951365	0.003609	0.175164
FAM185A	-0.19146	-2.95118	0.003611	0.175214
TBCD;WDR45B	-0.26696	-2.94836	0.003642	0.175543
	0.213935	2.951346	0.003609	0.175164
	-0.27037	-2.94934	0.003631	0.175416
SKAP1;ENSG00000235300 ZCCHC24;MBL1P	0.423416	2.951636	0.003606	0.175127
	-0.54149	-2.95184	0.003603	0.175058
	-0.20389	-2.94941	0.00363	0.175416
	0.227028	2.949097	0.003634	0.175416
	0.327487	2.950146	0.003622	0.175387
CUZD1	0.321113	2.949572	0.003629	0.175406
	-0.28738	-2.95184	0.003603	0.175058
THEM4;SELENBP1;CGN;BNIPL;RORC;ENSA;MRPS21;C1orf54;CE RS2;GOLPH3L	-0.24872	-2.9504	0.003619	0.175355
	0.153145	2.950985	0.003613	0.175279
ENSG00000261019	0.356192	2.949708	0.003627	0.175406
	0.340014	2.95017	0.003622	0.175387
FGFR3	-0.29929	-2.95048	0.003618	0.175354
	0.260425	2.949571	0.003629	0.175406
	0.324404	2.950629	0.003617	0.175312
	0.21188	2.947908	0.003647	0.175704

ALDH5A1	-0.34007	-2.95049	0.003618	0.175354
TMEM254	0.24828	2.950736	0.003616	0.175297
	-0.31709	-2.94964	0.003628	0.175406
	0.261034	2.950734	0.003616	0.175297
ZNF57;GNG7;OAZ1;REEP6;AES;PCSK4	-0.30137	-2.94906	0.003634	0.175416
SPINT1;RHOV	-0.37744	-2.95093	0.003613	0.175287
C15orf26;ZFAND6	-0.53194	-2.94904	0.003634	0.175416
HPSE2;ERLIN1;DNMBP;ENTPD7	0.380946	2.950322	0.00362	0.175358
	0.356168	2.950121	0.003622	0.175387
MYH14	-0.28401	-2.95074	0.003616	0.175297
	0.299494	2.946794	0.00366	0.175897
EPAS1;CALM2;EPCAM;SOCS5;BCYRN1;ENSG00000260977	0.442548	2.949305	0.003632	0.175416
	0.252826	2.94774	0.003649	0.17572
	-0.40862	-2.94852	0.00364	0.175486
FRZB	0.359183	2.947654	0.00365	0.17572
ATP2C2;DNAAF1;CRISPLD2;MBTPS1;ENSG00000260228;FAM9				
2B;KIAA0513	-0.50461	-2.95043	0.003619	0.175355
	-0.21947	-2.94972	0.003627	0.175406
	-0.405	-2.949	0.003635	0.175416
	0.520366	2.949452	0.00363	0.175416
CHST6;ENSG00000203472;FA2H;CFDP1;TMEM231;ADAT1;RFW				
D3;TMEM170A;ENSG00000262583	-0.28596	-2.95032	0.00362	0.175358
	-0.24054	-2.94623	0.003666	0.176022
	-0.29987	-2.95083	0.003615	0.175297
	-0.35582	-2.94995	0.003624	0.175406
ENSG00000181227	-0.17106	-2.94921	0.003633	0.175416
	0.262972	2.948562	0.00364	0.175486
ANKRD65;TTLL10;C1orf222;TTLL10-				
AS1;PLEKHN1;ISG15;SSU72;ENSG00000272106	-0.46102	-2.94854	0.00364	0.175486
ENSG00000230739;C1orf110	-0.53953	-2.94985	0.003625	0.175406
	-0.40585	-2.94922	0.003633	0.175416
STK24	-0.42365	-2.94971	0.003627	0.175406
	0.148582	2.949634	0.003628	0.175406
	0.276452	2.949679	0.003627	0.175406
LSG1;FAM43A	-0.3982	-2.9498	0.003626	0.175406
	0.195302	2.947741	0.003649	0.17572
ENSG00000268027	0.276965	2.949241	0.003632	0.175416
	0.302813	2.949005	0.003635	0.175416
LIMCH1	-0.34509	-2.9502	0.003622	0.175387
GPATCH8;MEOX1;GJC1;ACBD4;ENSG00000267505;TMEM106A	-0.30311	-2.9476	0.003651	0.17572
	0.291175	2.947845	0.003648	0.175704
RNF223	-0.33936	-2.94789	0.003647	0.175704
	0.400322	2.948574	0.00364	0.175486
PTS;CRYAB;DLAT;BCO2	-0.32332	-2.94868	0.003639	0.175486
	0.342671	2.949247	0.003632	0.175416

	0.190105	2.946751	0.00366	0.1759
	-0.23285	-2.9469	0.003658	0.175877
	0.309828	2.948698	0.003638	0.175486
	0.338525	2.948528	0.00364	0.175486
	0.402402	2.949025	0.003635	0.175416
	0.221061	2.948139	0.003645	0.175645
	-0.19062	-2.94942	0.00363	0.175416
	0.327226	2.948506	0.00364	0.175486
SIX1;MNAT1;SIX4;PCNXL4;PRKCH;SLC38A6;C14orf39;TMEM30B	0.480537	2.947593	0.003651	0.17572
	0.329324	2.945935	0.003669	0.176067
	-0.33846	-2.94897	0.003635	0.175416
	0.269507	2.94683	0.003659	0.175897
	-0.34466	-2.94809	0.003645	0.17565
PLAU	0.368439	2.947458	0.003652	0.175755
SCP2	0.237896	2.94786	0.003648	0.175704
	-0.27996	-2.94668	0.003661	0.175901
	0.210475	2.947559	0.003651	0.17572
	-0.36585	-2.94733	0.003654	0.175798
	0.308502	2.946342	0.003665	0.176003
CEACAM3;CEACAM6;B9D2;DEDD2	-0.24377	-2.94504	0.003679	0.176164
	0.482329	2.947628	0.00365	0.17572
MREG;SMARCA1	0.394103	2.944749	0.003683	0.176177
SLBP;ENSG00000272588;ZNF141;ZFYVE28	-0.37818	-2.94706	0.003657	0.175853
IDH1;KLF7;FASTKD2;PLEKHM3	-0.46207	-2.94727	0.003654	0.175798
ATRNL1	-0.33855	-2.94454	0.003685	0.176177
PMEPA1;BMP7	0.334639	2.945413	0.003675	0.176116
S100A3;C1orf189;INTS3;CREB3L4;SHE;TDRD10;GATAD2B;HAX1;SLC27A3;S100A2;NPR1;JTB;ENSG00000223599	-0.437	-2.94387	0.003693	0.176177
	0.400448	2.947066	0.003657	0.175853
	-0.24049	-2.94698	0.003658	0.175858
THOC7	0.365647	2.945858	0.00367	0.176067
	0.257281	2.945231	0.003677	0.176137
	-0.2134	-2.94611	0.003667	0.17603
	-0.28481	-2.94728	0.003654	0.175798
	0.218889	2.945302	0.003677	0.176131
	0.295024	2.945539	0.003674	0.176101
ENSG00000232862;OSCP1;TEKT2;ADPRHL2;C1orf216;MAP7D1;GRIK3;COL8A2;SH3D21	-0.41447	-2.94564	0.003673	0.176101
ADAMTSL2;COL5A1;SARDH;GBGT1;SURF1;SURF2;GTF3C5;DBH-AS1	0.235051	2.946072	0.003668	0.17603
	0.471189	2.94587	0.00367	0.176067
SYDE1;RASAL3;CYP4F3	-0.4602	-2.94652	0.003663	0.175968
PSTPIP1	-0.33271	-2.94698	0.003658	0.175858
ENSG00000246889	0.229166	2.946714	0.003661	0.1759
	0.346073	2.946196	0.003666	0.176022
PTK2B;HMBOX1;CCDC25;FZD3	0.394081	2.94586	0.00367	0.176067

	0.250995	2.947171	0.003655	0.175831
	0.34146	2.944481	0.003686	0.176177
NPR1;ATP8B2;JTB;GATAD2B;CREB3L4;C1orf43;S100A9;TPM3;S100A6;ILF2;S100A8	-0.2828	-2.94611	0.003667	0.17603
RDH10	0.441576	2.946386	0.003664	0.175999
C5orf42	0.245157	2.9456	0.003673	0.176101
	0.289285	2.945563	0.003674	0.176101
CLASP2	-0.30154	-2.94575	0.003671	0.176067
ELAVL1	0.307545	2.945403	0.003675	0.176116
	0.267862	2.946467	0.003663	0.175974
	-0.18541	-2.94514	0.003678	0.176161
ENSG00000242795	0.387772	2.943676	0.003695	0.176184
	0.299591	2.944994	0.00368	0.176164
LINC00689;ENSG00000231980	-0.31489	-2.94293	0.003703	0.176298
	-0.28977	-2.94266	0.003707	0.176353
	0.265156	2.944986	0.00368	0.176164
	-0.32477	-2.94408	0.00369	0.176177
BNIP1	0.38882	2.946201	0.003666	0.176022
	0.366886	2.945073	0.003679	0.176164
PPIF	0.22416	2.944311	0.003688	0.176177
	-0.35199	-2.94577	0.003671	0.176067
CPXM2;LHPP;GPR26	0.332118	2.944835	0.003682	0.176166
FAM107B;FRMD4A	0.218205	2.943301	0.003699	0.176223
ENSG00000232344;LRRC48;ATPAF2	-0.33005	-2.94385	0.003693	0.176177
	0.302421	2.944721	0.003683	0.176177
	-0.33025	-2.94576	0.003671	0.176067
SH3BP4;AGAP1;ARL4C	-0.54719	-2.94533	0.003676	0.176131
ENSG00000237853	-0.23683	-2.94548	0.003674	0.176113
LINC00205	-0.29565	-2.94403	0.003691	0.176177
	0.340143	2.944442	0.003686	0.176177
ADAT2;ENSG00000235740	-0.37928	-2.94158	0.003719	0.176546
C11orf74;PAMR1;RAG2;LDLRAD3	-0.63774	-2.94401	0.003691	0.176177
	0.409307	2.942875	0.003704	0.176298
	-0.35381	-2.94453	0.003685	0.176177
RAPGEF4;ENSG00000091436;ENSG00000225205;CYBRD1;MLK7-AS1;SLC25A12;ITGA6;METAP1D	-0.39979	-2.94367	0.003695	0.176184
PRDX3	0.258785	2.944865	0.003681	0.176166
POLR3K;NME4;TMEM204	0.201584	2.940486	0.003731	0.17656
	-0.3387	-2.94374	0.003694	0.176184
	0.22087	2.944469	0.003686	0.176177
ENSG00000271763	0.224689	2.9444	0.003687	0.176177
SESN1	0.253696	2.942812	0.003705	0.176298
CEP85;CLIC4;RPS6KA1;FAM110D	-0.24136	-2.94345	0.003697	0.176208
C16orf93;MVP;SETD1A;PHKG2;STX4;ZNF688;TMEM219;DOC2A;PRSS53;SEPHS2;SEPT1;PPP4C;GDPD3;QPRT;CTF1;ENSG00000196927;PRR14	-0.47299	-2.94489	0.003681	0.176166
	0.356267	2.945218	0.003677	0.176137

STAB1;ABHD14B MEGF6	0.30171	2.944891	0.003681	0.176166
	0.315002	2.943907	0.003692	0.176177
	0.286683	2.943277	0.003699	0.176223
	0.26652	2.943292	0.003699	0.176223
	0.366857	2.94249	0.003708	0.176363
MMP19;RBMS2;ERBB3;BAZ2A;PTGES3;SARNP	0.243625	2.942888	0.003704	0.176298
	-0.2598	-2.94445	0.003686	0.176177
	-0.30803	-2.944	0.003691	0.176177
	-0.28166	-2.94362	0.003696	0.176195
	-0.318	-2.94329	0.003699	0.176223
FAM83H-AS1;FAM83H;MROH6;ZNF34;TSTA3	0.323617	2.942638	0.003707	0.176353
TBKBP1;SKAP1;HOXB4;NPEPPS;HOXB3;PRR15L;HOXB-AS2	-0.47762	-2.94219	0.003712	0.176476
	0.313036	2.942934	0.003703	0.176298
	0.296359	2.943224	0.0037	0.176232
	-0.35062	-2.94112	0.003724	0.176546
	0.31907	2.944643	0.003684	0.176177
FKBP10;KRT23;HAP1;TTC25;LEPREL4	-0.45695	-2.94244	0.003709	0.176364
SLC22A15;ENSG00000233730;VANG1;AMPD1;DENND2C;ATP 1A1	-0.35572	-2.94387	0.003693	0.176177
SLC29A3;PCBD1	-0.2936	-2.94399	0.003691	0.176177
EPHA1;GSTK1	-0.42639	-2.94418	0.003689	0.176177
	0.342781	2.944065	0.003691	0.176177
	0.385647	2.940973	0.003726	0.176546
	-0.27694	-2.94461	0.003684	0.176177
	-0.36662	-2.94436	0.003687	0.176177
NLRC5;GPR114;CX3CL1;CNOT1	0.246107	2.943502	0.003697	0.176208
NME4;TMEM204;SOX8;HN1L;ENSG00000260807;CACNA1H;U NKL;RGS11;ENSG00000196674;MSLN	-0.28864	-2.94283	0.003705	0.176298
	0.366325	2.943582	0.003696	0.176195
	0.39517	2.941087	0.003724	0.176546
	-0.37324	-2.94108	0.003725	0.176546
	0.368022	2.943752	0.003694	0.176184
C1QTNF2;EBF1;ENSG00000247699;FABP6;ENSG00000253811	0.411504	2.942487	0.003708	0.176363
	0.447421	2.943478	0.003697	0.176208
	0.325894	2.940938	0.003726	0.176546
	-1.05088	-2.94405	0.003691	0.176177
	0.419278	2.94396	0.003692	0.176177
ENSG00000223642	-0.35403	-2.94383	0.003693	0.176177
YWHAQ	0.295595	2.94151	0.00372	0.176546
	0.286625	2.94201	0.003714	0.176536
	0.350195	2.942475	0.003709	0.176363
	0.358754	2.942487	0.003708	0.176363
	0.217417	2.939304	0.003745	0.176805
ENSG00000206567	-0.28096	-2.9417	0.003717	0.176546
	-0.29005	-2.94285	0.003704	0.176298
SLC45A1;CAMTA1;PER3				

	0.269226	2.941001	0.003725	0.176546
RPL27	-0.24913	-2.93955	0.003742	0.176805
ZSCAN30	0.206126	2.940954	0.003726	0.176546
ASAP1	-0.40261	-2.93953	0.003742	0.176805
PAPSS2;MMRN2;SNCG;GRID1;ADIRF-AS1	-0.22003	-2.9393	0.003745	0.176805
	-0.21852	-2.9415	0.00372	0.176546
	0.251459	2.940744	0.003728	0.176546
	0.278895	2.941794	0.003716	0.176546
	0.311605	2.940655	0.003729	0.176546
MAP1B	0.295748	2.940892	0.003727	0.176546
PLEKHB1;STARD10;DNAJB13;UCP2;C2CD3;PDE2A;P4HA3	-0.34091	-2.94026	0.003734	0.17661
	-0.23188	-2.9414	0.003721	0.176546
	-0.25183	-2.93956	0.003742	0.176805
	-0.31704	-2.9416	0.003719	0.176546
ATF7;PRR13;KRT18;TENC1	0.218784	2.940179	0.003735	0.176617
	0.305468	2.942158	0.003712	0.176476
	0.326771	2.940739	0.003728	0.176546
	-0.3447	-2.94065	0.003729	0.176546
NFKBIE;MRPL14;MAD2L1BP	-0.4112	-2.94295	0.003703	0.176298
	-0.23671	-2.94095	0.003726	0.176546
	0.310398	2.940879	0.003727	0.176546
CTSW;TBC1D10C	0.283641	2.94143	0.003721	0.176546
	-0.29726	-2.94157	0.003719	0.176546
WDR45B;PCYT2;NOTUM;TBCD;LRRC45	-0.45207	-2.94025	0.003734	0.17661
	-0.27339	-2.94117	0.003723	0.176546
KMT2E	0.397337	2.941063	0.003725	0.176546
	0.264562	2.940865	0.003727	0.176546
KRT7;GRASP;BIN2	-0.29865	-2.9412	0.003723	0.176546
	-0.50863	-2.94166	0.003718	0.176546
	-0.28305	-2.93883	0.00375	0.176833
LAX1	-0.32378	-2.93949	0.003743	0.176805
	0.208651	2.941176	0.003723	0.176546
	-0.22953	-2.93971	0.00374	0.176805
	0.14794	2.941666	0.003718	0.176546
ENSG00000271847;TTLL10-AS1	0.293946	2.940652	0.003729	0.176546
	0.305906	2.94097	0.003726	0.176546
	0.263667	2.939411	0.003744	0.176805
MSRB3;RASSF3	0.409754	2.937853	0.003762	0.176973
	-0.31372	-2.94081	0.003728	0.176546
	-0.47148	-2.94058	0.00373	0.176546
DNAH12;ASB14;RNU6-1181P;CCDC66;RNF7P1;RNU6-108P;DENND6A;FLNB;ENSG00000237186;SPATA12;IL17RD	-0.36919	-2.93869	0.003752	0.176841
ZNF132;ENSG00000267858;ENSG00000268912;ENSG00000269473;ENSG00000269054	-0.40384	-2.93902	0.003748	0.176805
KCTD11;DNAH2;CYB5D1;BCL6B;CTDNEP1	0.357266	2.941719	0.003717	0.176546
	-0.31379	-2.93667	0.003775	0.17719

ENSG00000272106;ENSG00000217801;LINCO1128;SKI;RNF223 ;TTLL10;ANKRD65;C1orf222;ATAD3A;TTLL10-AS1	-0.42913	-2.94062	0.00373	0.176546
	0.317	2.939002	0.003748	0.176805
	0.192714	2.938062	0.003759	0.176973
FOXF1;FENDRR	-0.3054	-2.93868	0.003752	0.176841
	0.319664	2.936601	0.003776	0.17719
	0.324735	2.940924	0.003726	0.176546
COTL1;IRF8;ATP2C2	-0.47278	-2.94107	0.003725	0.176546
	-0.22388	-2.94016	0.003735	0.176617
	0.259782	2.938323	0.003756	0.176952
AKT3;ZBTB18;AKT3-IT1	0.343793	2.940583	0.00373	0.176546
	0.345119	2.939184	0.003746	0.176805
	-0.43529	-2.93951	0.003743	0.176805
	-0.32099	-2.939	0.003748	0.176805
	0.195483	2.938064	0.003759	0.176973
	0.281963	2.936866	0.003773	0.17719
	0.318697	2.938896	0.00375	0.176833
	0.200382	2.93938	0.003744	0.176805
ENSG00000203472;CHST6;FA2H;ENSG00000262583;CFDP1;T MEM231;MLKL;ZNR1	-0.42464	-2.94052	0.003731	0.17656
	-0.43235	-2.93988	0.003738	0.17675
TMEM132A;MS4A8;TMEM216	-0.30367	-2.93608	0.003782	0.177311
TSPAN4;MRPL23;LRRC56;DEAF1;PHRF1;MOB2;TALDO1;IGF2	-0.40852	-2.93869	0.003752	0.176841
	-0.23195	-2.93912	0.003747	0.176805
	0.301928	2.940336	0.003733	0.176602
STX10;NACC1;PODNL1;ZNF136	-0.57649	-2.9379	0.003761	0.176973
	-0.37588	-2.93781	0.003762	0.176973
	0.275681	2.940353	0.003733	0.176602
	0.310639	2.93861	0.003753	0.176855
SETP5	0.26026	2.938162	0.003758	0.176973
	-0.36917	-2.93671	0.003775	0.17719
	0.273669	2.938672	0.003752	0.176841
CCDC30;ZMYND12;ENSG00000230116;RIMKLA;TMSB4XP1;RI MS3;FOXO6;NFYC	-0.3774	-2.93682	0.003774	0.17719
	0.359207	2.939206	0.003746	0.176805
	0.227678	2.936565	0.003776	0.17719
	0.326566	2.93733	0.003768	0.17712
GNAO1;MMP2;LPCAT2;IRX5;CRNDE	0.466323	2.93926	0.003745	0.176805
	-0.39046	-2.9378	0.003762	0.176973
SEC14L5	0.420219	2.93845	0.003755	0.176902
	0.36752	2.939577	0.003742	0.176805
FGF2;BBS12	-0.33103	-2.93899	0.003748	0.176805
	-0.2497	-2.93777	0.003763	0.176973
	-0.13961	-2.93625	0.00378	0.177281
GIPR;SNRPD2	-0.24503	-2.93913	0.003747	0.176805
	-0.28254	-2.93776	0.003763	0.176973



CYP17A1	0.29452	2.938484	0.003754	0.176902
KLHL18;SMARCC1	-0.37219	-2.93782	0.003762	0.176973
	-0.38201	-2.93751	0.003766	0.17708
	0.257142	2.937006	0.003771	0.177176
UBQLN4;MUC1;LMNA	-0.42803	-2.93951	0.003743	0.176805
	0.384363	2.937147	0.00377	0.17716
	-0.3669	-2.9381	0.003759	0.176973
	0.336405	2.935909	0.003784	0.177333
	0.236788	2.938832	0.00375	0.176833
FAM126A;FAM221A	-0.40143	-2.93613	0.003781	0.177304
	-0.4899	-2.93774	0.003763	0.176973
	0.256193	2.935709	0.003786	0.177352
	-0.26506	-2.93669	0.003775	0.17719
HES2	-0.50056	-2.93594	0.003784	0.177333
	0.264131	2.937922	0.003761	0.176973
	0.417558	2.939024	0.003748	0.176805
	-0.342	-2.93714	0.00377	0.17716
GGT6;CXCL16	0.317378	2.935688	0.003787	0.177352
DNM1P46;SYNM;ENSG00000259363;ENSG00000261616;TTC23	-0.39651	-2.93698	0.003772	0.177176
	0.457805	2.937114	0.00377	0.17716
	0.21015	2.93573	0.003786	0.177352
PARP15;PARP14;PARP9	-0.31037	-2.93632	0.003779	0.177274
	0.242663	2.935179	0.003793	0.177369
	0.319652	2.935348	0.003791	0.177369
RHD;ENSG00000261349	0.280777	2.935107	0.003793	0.177369
S100P;SH3TC1;KIAA0232;CCDC96;ABLM2;HTRA3;SORCS2;AFAP1	0.260497	2.937319	0.003768	0.17712
PDE7B;MAP7	0.355307	2.936998	0.003771	0.177176
MAPRE3;IFT172;RBKS;AGBL5;CCDC121;DRC1;KHK	0.316553	2.937922	0.003761	0.176973
P2RX7;DYNLL1-AS1	-0.35492	-2.93795	0.003761	0.176973
	0.439177	2.935616	0.003787	0.177369
	-0.352	-2.93736	0.003767	0.17712
	-0.45703	-2.93684	0.003773	0.17719
POLD3	0.364688	2.934452	0.003801	0.177403
	-0.32689	-2.93524	0.003792	0.177369
PPM1M;NEK4;DNAH1;STAB1	0.181322	2.933887	0.003808	0.177595
	0.296139	2.935967	0.003783	0.177333
	0.40744	2.935866	0.003785	0.177333
	-0.19621	-2.93656	0.003777	0.17719
	0.320773	2.937296	0.003768	0.17712
	0.3466	2.935873	0.003784	0.177333
	0.301107	2.935225	0.003792	0.177369
MISP;MIDN	-0.39542	-2.93415	0.003805	0.177529
	-0.21555	-2.93664	0.003776	0.17719
ARID3A;GNG7;ZNF57;HMHA1;TCF3;ADAMTSL5;MBD3;SCAMP4	-0.4721	-2.93517	0.003793	0.177369

STK16;RQCD1;SPEG ZNF843	-0.60845	-2.93525	0.003792	0.177369
	0.241846	2.936782	0.003774	0.17719
	0.218658	2.932363	0.003825	0.178006
	0.360382	2.935234	0.003792	0.177369
RASAL3;NWD1;ENSG00000267275;OCEL1	0.287004	2.934578	0.0038	0.177403
	-0.28945	-2.93614	0.003781	0.177304
	0.401018	2.935193	0.003792	0.177369
	0.414868	2.936295	0.00378	0.177274
ZCCHC11;SCP2	0.319057	2.934806	0.003797	0.177369
	0.401516	2.935468	0.003789	0.177369
	-0.39089	-2.93646	0.003778	0.177224
	0.393855	2.935269	0.003792	0.177369
SYTL3;RSPH3;C6orf99;ENSG00000213076;PNLDC1;EZR	0.411111	2.935029	0.003794	0.177369
	-0.45663	-2.93487	0.003796	0.177369
	-0.255	-2.93577	0.003786	0.177352
	-0.26139	-2.93503	0.003794	0.177369
NECAP2;ARHGEF19;CROCC;HSPB7;RSG1;FBLIM1	-0.34849	-2.93493	0.003795	0.177369
	0.263993	2.934965	0.003795	0.177369
	0.287719	2.93447	0.003801	0.177403
	-0.42776	-2.93402	0.003806	0.177558
ANAPC7;PPTC7;ARPC3	-0.2975	-2.93457	0.0038	0.177403
	0.291874	2.934995	0.003795	0.177369
	0.31246	2.932669	0.003822	0.177953
	0.341348	2.935193	0.003792	0.177369
C12orf54;C12orf68;SLC38A4	-0.25873	-2.93276	0.003821	0.177934
	0.336995	2.934528	0.0038	0.177403
	0.254293	2.934963	0.003795	0.177369
	-0.27938	-2.93487	0.003796	0.177369
RNA5SP202	0.368142	2.934797	0.003797	0.177369
	0.388742	2.933765	0.003809	0.177622
	0.259375	2.934729	0.003798	0.177369
	0.282426	2.931473	0.003836	0.178163
LINC00426	-0.46194	-2.93308	0.003817	0.17781
	0.253192	2.934742	0.003798	0.177369
	-0.26985	-2.93235	0.003826	0.178006
	0.355563	2.934507	0.0038	0.177403
DEGS2;HHIPL1	-0.28388	-2.93408	0.003805	0.177548
	-0.42595	-2.9351	0.003794	0.177369
	-0.29928	-2.93147	0.003836	0.178163
P4HTM;DALRD3;TCTA;MAP4;NDUFAF3;LAMB2;NME6;PRKAR2A- AS1;ENSG00000223343;ZNF589;DHX30;COL7A1;PRKAR2A;SLC 26A6;NCKIPSD;WDR6	-0.30931	-2.93387	0.003808	0.177595
	-0.33326	-2.93314	0.003816	0.17781
	-0.37065	-2.93231	0.003826	0.178006
	0.299197	2.933434	0.003813	0.177763
	0.266439	2.931862	0.003831	0.178078

	0.431582	2.93317	0.003816	0.17781
	-0.28145	-2.93261	0.003823	0.177953
NRP1	-0.49275	-2.93368	0.00381	0.177651
DAB2IP;PHF19	-0.33396	-2.93416	0.003804	0.177529
	0.266594	2.93188	0.003831	0.178078
CASP10;ALS2CR11;CASP8;NDUFB3;AOX1;FZD7;TMEM237	-0.32017	-2.93227	0.003826	0.178007
	0.168646	2.932517	0.003824	0.177953
	-0.28669	-2.93122	0.003839	0.178163
ZCCHC24;DLG5-AS1;KCNMA1	0.33328	2.933213	0.003815	0.17781
	-0.23499	-2.93258	0.003823	0.177953
	-0.46766	-2.93385	0.003808	0.177595
	-0.2666	-2.93207	0.003829	0.178078
RABL2A;CHCHD5	0.298676	2.931229	0.003839	0.178163
	-0.24576	-2.932	0.00383	0.178078
	-0.43358	-2.93319	0.003816	0.17781
ANKRD65	-0.24476	-2.93087	0.003843	0.178249
LRRC43	-0.21697	-2.93146	0.003836	0.178163
CIB1;CRTC3;FES;ENSG00000258551;UNC45A;FURIN;IDH2	-0.67377	-2.932	0.00383	0.178078
	0.222062	2.93193	0.003831	0.178078
NLRP1;ACAP1;C1QBP	-0.25127	-2.93309	0.003817	0.17781
CCDC163P	0.218883	2.930829	0.003843	0.178254
	-0.5162	-2.93217	0.003828	0.178044
	0.307163	2.931135	0.00384	0.178163
	0.23804	2.931103	0.00384	0.178163
	-0.2922	-2.93127	0.003838	0.178163
	0.277175	2.932647	0.003822	0.177953
	-0.35213	-2.93066	0.003845	0.178306
	0.200797	2.933064	0.003817	0.17781
DPYSL2;EBF2;PPP2R2A	-0.46238	-2.93098	0.003842	0.178213
	-0.33254	-2.93278	0.003821	0.177934
IGHG2;PLD4;IGHA2;AHNAK2	-0.33143	-2.93254	0.003823	0.177953
CALHM2	-0.30963	-2.93072	0.003845	0.178295
	0.273022	2.933073	0.003817	0.17781
	0.348317	2.931868	0.003831	0.178078
ZNF487;ENSG00000236114	0.320012	2.931304	0.003838	0.178163
	0.304301	2.931379	0.003837	0.178163
	-0.22908	-2.93006	0.003852	0.1785
	0.265125	2.929618	0.003858	0.178573
GLT8D2;TXNRD1;APPL2;ENSG00000214198	0.424862	2.930268	0.00385	0.178444
	0.255496	2.931188	0.003839	0.178163
	0.449182	2.931794	0.003832	0.178096
CDCP1;LZTFL1;LTF;CLEC3B	-0.32757	-2.9277	0.00388	0.17912
KCTD17;SH3BP1	0.291271	2.929772	0.003856	0.178567
	0.340256	2.92849	0.003871	0.178972
	0.367643	2.929947	0.003854	0.178524
H3F3A	-0.44798	-2.93121	0.003839	0.178163

	0.219999	2.93057	0.003846	0.178319
EPS8L1;ZNF667	-0.30953	-2.93017	0.003851	0.178462
	0.21767	2.92802	0.003877	0.179074
LRR6;NDRG1;WISP1;TG	-0.35411	-2.92964	0.003857	0.178573
ACACB;ARPC3;ENSG00000256139	-0.31761	-2.93117	0.003839	0.178163
	-0.56565	-2.92973	0.003856	0.178567
	-0.30589	-2.9302	0.003851	0.178462
	0.31368	2.929218	0.003862	0.178671
TIMP2;C1QTNF1;USP36;CBX2	-0.27955	-2.92892	0.003866	0.178794
PLA2G4C;EHD2;RASIP1;RUVBL2;HRC;SEPW1;FAM83E;NTF4;FUT2;DBP;C5AR2;MEIS3;PPFIA3	-0.40126	-2.93114	0.00384	0.178163
	0.337402	2.929538	0.003859	0.178573
	-0.26575	-2.92974	0.003856	0.178567
LTBP4	-0.54816	-2.93048	0.003848	0.178349
	0.320013	2.931139	0.00384	0.178163
NOS2;LYRM9;SLC13A2;SLC46A1	-0.46794	-2.93151	0.003835	0.178163
SASH1	0.355221	2.929873	0.003855	0.178544
	0.37095	2.930591	0.003846	0.178319
	0.258783	2.928337	0.003873	0.178987
	0.363325	2.927447	0.003883	0.179157
SKP1;PCBD2	0.246204	2.927489	0.003883	0.179153
C1QBP	-0.28762	-2.93002	0.003853	0.178505
	0.214876	2.92778	0.003879	0.17911
	0.185373	2.929543	0.003859	0.178573
	-0.29323	-2.92928	0.003862	0.178656
CD6	0.266741	2.929586	0.003858	0.178573
	-0.26707	-2.92783	0.003879	0.179102
	-0.83502	-2.92839	0.003872	0.178987
	-0.2964	-2.92572	0.003904	0.179433
RFX2;HSD11B1L;PTPRS;ENSG00000267262;CAPS;TNFSF14	-0.37648	-2.92851	0.003871	0.178972
KIAA1755	-0.28992	-2.92658	0.003894	0.179294
COL5A3;KANK2;CNN1;AP1M2;DOCK6;ZNF440;PDE4A;CDKN2D	0.373475	2.927987	0.003877	0.179074
	-0.41725	-2.92705	0.003888	0.179182
C11orf89;TSPAN32	-0.3216	-2.9282	0.003874	0.179013
AGO3;TRAPPC3;PSMB2;MRPS15	0.606363	2.929301	0.003861	0.178656
TBX19;ATP1B1;SELP;GPR161	-0.39242	-2.92769	0.003881	0.17912
IL10RA;CD3G;AMICA1;CD3D;CD3E;CBL;MCAM	0.329606	2.92915	0.003863	0.178688
TMEM204;ENSG00000205890;CCDC64B;MSRB1;HN1L;CACNA1H;PRSS22;ABCA3;PAQR4	0.434503	2.926068	0.0039	0.17943
	-0.25057	-2.92861	0.00387	0.178944
TRIM5	-0.24268	-2.92653	0.003894	0.179294
ARID3A;ADAMTSL5;GNG7;MUM1	0.410413	2.92946	0.00386	0.178596
	-0.24275	-2.92765	0.003881	0.179123
	-0.31464	-2.92758	0.003882	0.179141
	-0.24854	-2.92726	0.003886	0.179182

	0.415299	2.928278	0.003874	0.178992
	0.291204	2.92783	0.003879	0.179102
CSGALNACT1;INTS10;LZTS1;SH2D4A	0.450561	2.928321	0.003873	0.178987
AQP9;TCF12;TEX9	-0.31688	-2.92615	0.003899	0.179404
LIMD2;ERN1;CD79B;ACE;MILR1;MAP3K3	0.337989	2.927274	0.003885	0.179182
	-0.36501	-2.92736	0.003884	0.179182
ENSG00000272902;LONRF2	0.31728	2.928445	0.003872	0.178977
	0.314033	2.926613	0.003893	0.179294
	0.318873	2.926012	0.003901	0.179433
	0.278321	2.927158	0.003887	0.179182
IFLTD1;CASC1;BHLHE41	-0.36298	-2.92792	0.003878	0.179093
	0.43503	2.928147	0.003875	0.179024
PRR26;GTPBP4;ENSG00000225140	0.242213	2.927012	0.003889	0.179183
	0.196357	2.925076	0.003912	0.17955
	0.214838	2.926318	0.003897	0.17937
ZNF792;FXJD5;WTIP;ZNF599;FXJD3	0.306456	2.927546	0.003882	0.179141
TRPM2	-0.26363	-2.92711	0.003887	0.179182
	0.377961	2.925579	0.003906	0.179447
	0.316179	2.924247	0.003922	0.179736
	0.298091	2.927186	0.003887	0.179182
	0.155706	2.925957	0.003901	0.179433
	-0.39536	-2.92725	0.003886	0.179182
ADAMTS2;LMAN2;PDLIM7;AACSP1	0.331625	2.927049	0.003888	0.179182
	0.288876	2.926542	0.003894	0.179294
	0.269632	2.925708	0.003904	0.179433
	-0.22747	-2.92499	0.003913	0.179576
GBAS;PSPH	0.264223	2.925124	0.003911	0.17955
LINC00342;ANKRD36C;DUSP2;ITPRIPL1	0.404025	2.924191	0.003922	0.179747
TUB	0.352257	2.924562	0.003918	0.179673
	-0.26113	-2.92623	0.003898	0.179378
	0.312789	2.924467	0.003919	0.179673
	-0.46531	-2.92681	0.003891	0.179273
	0.30168	2.923385	0.003932	0.179929
	0.235782	2.92711	0.003887	0.179182
FHOD3	-0.30053	-2.92671	0.003892	0.179288
TBC1D10C	0.329865	2.926276	0.003897	0.179374
ZC2HC1C;IFT43;TTLL5;ENSG00000259319;ISCA2	-0.29347	-2.92576	0.003903	0.179433
	-0.41017	-2.92573	0.003904	0.179433
CLDN10;UGGT2	0.308296	2.925769	0.003903	0.179433
	0.420743	2.925745	0.003904	0.179433
	0.33306	2.926617	0.003893	0.179294
	0.393888	2.925337	0.003909	0.179542
ENSG00000266371;NF1	-0.35798	-2.92634	0.003897	0.17937
	-0.22039	-2.92338	0.003932	0.179929
	0.264478	2.924265	0.003921	0.179736
	0.296601	2.924328	0.003921	0.179729
FGFR4	-0.48731	-2.9252	0.00391	0.17955

TTLL6;LRRC46;COPZ2;PRR15L;ENSG00000264920;HOXB5;MRP L10	-0.20948	-2.92159	0.003954	0.180407
ENSG00000264198;IKZF3;PLXDC1	-0.5318	-2.92592	0.003902	0.179433
	0.245448	2.924471	0.003919	0.179673
	0.330085	2.925448	0.003907	0.1795
	-0.33671	-2.92559	0.003906	0.179447
	-0.31647	-2.92674	0.003892	0.179288
	0.473665	2.924514	0.003918	0.179673
	0.344403	2.923124	0.003935	0.179929
	0.394477	2.922889	0.003938	0.179982
	-0.29142	-2.92568	0.003904	0.179433
SEMA3G;SPCS1;PCBP4;PRKCD;GLT8D1	0.237635	2.925267	0.003909	0.17955
	0.245889	2.924467	0.003919	0.179673
CNR1	-0.33907	-2.92319	0.003934	0.179929
CLDN7	0.326581	2.924557	0.003918	0.179673
	-0.19753	-2.92405	0.003924	0.179764
	-0.21393	-2.92174	0.003952	0.18039
	0.293624	2.924112	0.003923	0.179752
	0.22004	2.925675	0.003905	0.179433
MRAS	-0.50167	-2.92382	0.003927	0.179835
	0.315073	2.925125	0.003911	0.17955
	-0.40797	-2.92363	0.003929	0.1799
	0.231288	2.923226	0.003934	0.179929
	0.316726	2.924801	0.003915	0.179645
IQCE;CARD11	-0.45369	-2.92448	0.003919	0.179673
	0.216152	2.92284	0.003939	0.179989
C11orf53;DIXDC1;BCO2;BTG4;POU2AF1;ENSG00000255093;C1 1orf88;PIH1D2;ENSG00000255208;ENSG00000255428	-0.35689	-2.9252	0.00391	0.17955
KDM5B;PPFIA4;LAX1;ENSG00000214796;MDM4;CYB5R1;PREL P;FMOD	-0.32186	-2.92297	0.003937	0.179972
	-0.27534	-2.92318	0.003934	0.179929
	-0.40132	-2.92509	0.003912	0.17955
	0.269023	2.922668	0.003941	0.180046
	0.296822	2.922359	0.003944	0.180158
	-0.40505	-2.92448	0.003919	0.179673
	0.257003	2.921681	0.003953	0.180397
	0.762553	2.924798	0.003915	0.179645
	-0.36947	-2.92065	0.003965	0.180524
SCAMP2;COX5A	-0.46959	-2.92315	0.003935	0.179929
HLA-DQB1;HLA-DQA1;HLA-DRB1;HLA-DPA1	0.482679	2.919511	0.003979	0.180694
	-0.36714	-2.92359	0.003929	0.179902
RNF157- AS1;SMIM5;FOXJ1;ST6GALNAC2;RNF157;RHBDF2;WBP2;UBAL D2;ENSG00000265800;TRIM47;SMIM6;FDXR;SPHK1;SLC16A5;I TGB4;CASKIN2;KIAA0195;GALK1;HN1	-0.50392	-2.92214	0.003947	0.180231
RASGRP1	0.451695	2.92398	0.003925	0.179786

WHAMMP2;ENSG00000270055	-0.35463	-2.92413	0.003923	0.179752
	-0.35756	-2.92363	0.003929	0.1799
	-0.50455	-2.9235	0.003931	0.179929
	0.379243	2.923204	0.003934	0.179929
JADE1;C4orf29	-0.38006	-2.92036	0.003968	0.180526
	-0.25738	-2.92232	0.003945	0.180158
ADCY3;GAREML;GPR113	-0.49302	-2.92317	0.003935	0.179929
	-0.26104	-2.92233	0.003945	0.180158
SNORA7B	-0.30895	-2.9239	0.003926	0.17981
GRAMD3	-0.26733	-2.92032	0.003969	0.18053
PDCD6;TPPP;ENSG00000188242;NKD2	-0.28482	-2.92327	0.003933	0.179929
CEP104	0.184248	2.920532	0.003966	0.180524
WNT5B	0.313742	2.920857	0.003962	0.180504
	0.252261	2.922533	0.003942	0.1801
KDR	0.33001	2.92092	0.003962	0.180504
SEMA3G;DOCK3;STAB1;PCBP4;NEK4;GLT8D1;ITIH3;PPM1M;SF				
MBT1;NT5DC2;PBRM1;POC1A;RAD54L2;DNAH1	-0.28999	-2.92294	0.003937	0.179972
	0.209806	2.920555	0.003966	0.180524
	0.326282	2.920135	0.003971	0.180556
	0.300532	2.923313	0.003933	0.179929
	0.360369	2.922765	0.003939	0.180011
CERK;ENSG00000234869;CELSR1;WNT7B	-0.38411	-2.92212	0.003947	0.180231
	-0.23068	-2.91996	0.003973	0.180592
ENSG00000224570	0.375941	2.922942	0.003937	0.179972
HOXB-				
AS2;HOXB4;HOXB3;COL1A1;NXPH3;FAM117A;SGCA;MIR10A;H				
OXB6;CALCOCO2	-0.40612	-2.92194	0.003949	0.180314
	-0.17982	-2.92145	0.003955	0.180427
	-0.45283	-2.92115	0.003959	0.180491
TTBK2;ZNF106;LTK;TYRO3;NUSAP1;MGA	-0.44749	-2.92047	0.003967	0.180524
ENSG00000264954;C17orf72;ENSG00000264513	-0.29962	-2.92173	0.003952	0.18039
C1orf158;ENSG00000272482;TNFRSF1B;FBXO44;MIIP	-0.38575	-2.92098	0.003961	0.180492
	-0.29986	-2.92114	0.003959	0.180491
NPLOC4;TMEM105;SECTM1;WDR45B;NOTUM	-0.35339	-2.92147	0.003955	0.180427
	0.19088	2.919104	0.003984	0.180694
	0.248166	2.921569	0.003954	0.180407
	0.456483	2.92109	0.00396	0.180491
	-0.23735	-2.91938	0.00398	0.180694
	0.311717	2.921285	0.003957	0.180481
	-0.25019	-2.91934	0.003981	0.180694
VN1R21P	-0.20516	-2.91909	0.003984	0.180694
	0.208844	2.921248	0.003958	0.180481
	0.326406	2.919284	0.003982	0.180694
TBC1D10C;GSTP1;FAM86C2P;UNC93B1;ALDH3B1;PTPRCAP;AL				
DH3B2;ADRBK1	-0.28354	-2.92156	0.003954	0.180407
ZBED3;IQGAP2	0.304954	2.920386	0.003968	0.180526
EXPH5;C11orf65;SLC35F2;DDX10	-0.43689	-2.92069	0.003964	0.180524

	0.213903	2.920264	0.00397	0.180539
	0.310697	2.920236	0.00397	0.180539
	-0.31974	-2.92009	0.003972	0.180564
	-0.33715	-2.92068	0.003965	0.180524
FBXW9;CACNA1A;ZNF844	0.704282	2.918349	0.003993	0.180871
	0.204199	2.919323	0.003981	0.180694
	0.290881	2.92041	0.003968	0.180526
HLA-L;HSPA1A	0.25364	2.921255	0.003958	0.180481
	0.239046	2.919012	0.003985	0.180694
	0.317478	2.920139	0.003971	0.180556
	-0.52495	-2.91993	0.003974	0.180592
	0.288146	2.920879	0.003962	0.180504
	0.341493	2.91941	0.00398	0.180694
STPG1;MAN1C1;IL22RA1;RCAN3	-0.40634	-2.91761	0.004002	0.181088
	-0.56544	-2.92073	0.003964	0.180524
SCN8A;KRT80;TFCP2	-0.29201	-2.92104	0.00396	0.180492
	0.334223	2.920987	0.003961	0.180492
C11orf49;MADD;AGBL2;KBTBD4;DDB2	-0.3391	-2.9211	0.00396	0.180491
CCDC92	0.286036	2.919086	0.003984	0.180694
GNG11	0.343838	2.918681	0.003989	0.180789
HHEX	0.304014	2.918432	0.003992	0.180871
	-0.4068	-2.91799	0.003997	0.180991
MYCBPAP	-0.38611	-2.91728	0.004006	0.181154
GRAMD2	-0.26411	-2.9205	0.003967	0.180524
	0.29044	2.919015	0.003985	0.180694
	0.305141	2.918825	0.003987	0.180761
	-0.3189	-2.91867	0.003989	0.180789
RNF166	-0.23216	-2.91777	0.004	0.181035
	0.228117	2.919273	0.003982	0.180694
ADARB1;COL18A1;ICOSLG;LRRC3;ITGB2;LRRC3DN;TRPM2;ENS				
G00000225331;ENSG00000267857;COL18A1-AS1	-0.39602	-2.91911	0.003984	0.180694
	-0.1956	-2.91853	0.003991	0.180846
MYO1F;ENSG00000263264	-0.25929	-2.92047	0.003967	0.180524
	-0.367	-2.91898	0.003985	0.180694
	0.192991	2.916321	0.004018	0.181425
KCNAB2;TAS1R1	0.421926	2.919258	0.003982	0.180694
	0.260401	2.919497	0.003979	0.180694
	0.198298	2.917873	0.003999	0.181022
	-0.3247	-2.91931	0.003981	0.180694
SMIM5;TTYH2	0.433824	2.919646	0.003977	0.180694
	-0.25233	-2.91936	0.003981	0.180694
LPCAT1;TPPP;PDCD6;TRIP13	-0.32271	-2.91907	0.003984	0.180694
GFM2	-0.3478	-2.92062	0.003965	0.180524
	0.328279	2.917432	0.004004	0.181092
	-0.34723	-2.91947	0.003979	0.180694
	-0.42913	-2.91804	0.003997	0.180991
ENSG00000233693	0.317231	2.917122	0.004008	0.181184



C4orf33;HSPA4L;PLK4	0.135425	2.916493	0.004016	0.181378
	-0.3606	-2.91835	0.003993	0.180871
EPS8L1;ZNF71;PTPRH;ZNF667;ZNF667-AS1;SSC5D;ZNF542 TG	-0.27867	-2.91799	0.003997	0.180991
	0.283229	2.918396	0.003992	0.180871
	-0.27866	-2.92005	0.003972	0.180565
	-0.31557	-2.91558	0.004027	0.181497
	0.322211	2.917428	0.004004	0.181092
ARHGEF25;ENSG00000224713;PIP4K2C;LRP1;GLI1;PTGES3;B4G ALNT1;RBMS2;SMARCC2;SLC26A10;NDUFA4L2;ATP5B FXVD3;ZNF792;KIAA0355	-0.28824	-2.91809	0.003996	0.180991
	-0.23317	-2.91621	0.004019	0.181425
ASPA;HIC1;P2RX5-TAX1BP3;ENSG00000263050;SMG6;TRPV3	-0.44379	-2.91871	0.003989	0.180789
	-0.24777	-2.91724	0.004006	0.181157
	0.400036	2.917822	0.003999	0.181027
	0.342903	2.917626	0.004002	0.181088
	0.21893	2.917866	0.003999	0.181022
	0.265579	2.915871	0.004023	0.181459
	0.33966	2.917552	0.004003	0.181092
	-0.21955	-2.91698	0.00401	0.181223
	-0.19216	-2.91748	0.004004	0.181092
	0.227397	2.915642	0.004026	0.181486
	0.440667	2.919036	0.003985	0.180694
TMC8	0.168987	2.916332	0.004018	0.181425
GPR146;SUN1;MAD1L1;PSMG3;CHST12	-0.46622	-2.91709	0.004008	0.181185
	-0.34103	-2.91668	0.004013	0.181313
RABL2A	-0.22149	-2.91546	0.004028	0.181497
	-0.41472	-2.91594	0.004022	0.181459
TMEM125	0.159465	2.91746	0.004004	0.181092
	0.371937	2.916761	0.004012	0.181307
	-0.44223	-2.91586	0.004023	0.181459
	0.358816	2.916167	0.00402	0.181425
	0.313549	2.915414	0.004029	0.181497
	-0.33935	-2.91719	0.004007	0.181163
	0.36837	2.916691	0.004013	0.181313
	0.163669	2.915829	0.004024	0.181459
	0.405443	2.916237	0.004019	0.181425
	0.411512	2.914257	0.004043	0.181785
	-0.42481	-2.91684	0.004011	0.181284
C10orf128	-0.26044	-2.91431	0.004043	0.181785
	0.447756	2.916064	0.004021	0.181446
AKAP5	-0.20557	-2.91546	0.004028	0.181497
	-0.23333	-2.91589	0.004023	0.181459
	-0.30962	-2.9165	0.004016	0.181378
	-0.28704	-2.91491	0.004035	0.181702
	0.227789	2.916025	0.004021	0.181446

C12orf75;TCP11L2;ENSG00000257438	-0.41021	-2.91603	0.004021	0.181446
C10orf115	-0.42038	-2.91484	0.004036	0.181718
	0.22849	2.915236	0.004031	0.181549
	0.347827	2.912881	0.00406	0.182109
	0.260606	2.911791	0.004074	0.182265
	0.330492	2.915743	0.004025	0.181468
TLR1;RBM47;RHOH;SMIM14	-0.42451	-2.91522	0.004031	0.181549
	-0.23239	-2.91624	0.004019	0.181425
CCDC170;C6orf211	-0.54653	-2.91426	0.004043	0.181785
MAP3K5;LINC00271;MYB;MAP7	-0.41995	-2.91386	0.004048	0.181824
	0.175545	2.912508	0.004065	0.182148
	0.412485	2.914457	0.004041	0.18176
PSMB8;SLC44A4;PSMB9;TNXB;NELFE;NOTCH4;CLIC1;TAP1;HLA-DRA;CFB;HCP5;HLA-B;HNRNPA1P2;HLA-DMB	-0.38177	-2.91467	0.004038	0.181719
PTGDS;LCNL1;GPSM1;UAP1L1;AGPAT2	-0.27053	-2.9135	0.004052	0.181944
	0.213562	2.91452	0.00404	0.18176
	-0.25018	-2.91155	0.004077	0.182345
	-0.2952	-2.91467	0.004038	0.181719
PARP15	0.360756	2.916168	0.00402	0.181425
	0.249678	2.914079	0.004045	0.181785
	-0.62972	-2.91405	0.004046	0.181785
	0.315572	2.912405	0.004066	0.182148
	0.28982	2.912656	0.004063	0.182148
DOK2;HR	0.560382	2.91543	0.004029	0.181497
	-0.34125	-2.91577	0.004024	0.181468
	-0.30613	-2.9136	0.004051	0.181928
SLCO4A1;C20orf166-AS1;GATA5	-0.3878	-2.91286	0.00406	0.182109
	-0.25443	-2.91363	0.004051	0.181928
	0.297232	2.915672	0.004026	0.181486
SUN1;PRKAR1B	-0.35769	-2.91414	0.004045	0.181785
	-0.24852	-2.91404	0.004046	0.181785
CLK4	-0.28697	-2.91394	0.004047	0.181797
	0.261763	2.912462	0.004065	0.182148
NME4;TMEM204;UNKL;CACNA1H;HN1L;RGS11;ENSG00000196674;SOX8;MSLN;FAHD1	-0.41844	-2.91528	0.00403	0.181549
	0.256017	2.914689	0.004038	0.181719
	-0.48311	-2.91472	0.004037	0.181719
LRRC59	0.381014	2.914138	0.004045	0.181785
WDR19	-0.352	-2.91403	0.004046	0.181785
	0.347778	2.912419	0.004066	0.182148
	-0.34944	-2.91555	0.004027	0.181497
	0.365471	2.912712	0.004062	0.182148
MFSD5	0.337689	2.914797	0.004036	0.181719
ILK;ARFIP2	0.215659	2.913997	0.004046	0.181785
	-0.3893	-2.9144	0.004041	0.181772
	-0.30773	-2.91109	0.004082	0.182466
	-0.23146	-2.91308	0.004058	0.182084

MGAT4B	-0.41213	-2.91336	0.004054	0.181991
	-0.26773	-2.91423	0.004043	0.181785
	0.219835	2.914481	0.00404	0.18176
	-0.27098	-2.91038	0.004091	0.182625
SPHK1;SMIM6;ST6GALNAC1;SEC14L1;SMIM5;PRPSAP1;MXRA7 ;UBALD2	0.380719	2.912243	0.004068	0.182185
	0.300021	2.911959	0.004072	0.182248
SYT15;PTPN20A;ANTXRPL1	0.272707	2.914622	0.004039	0.181725
	0.392423	2.912519	0.004065	0.182148
	0.230662	2.912478	0.004065	0.182148
ADARB1;ICOSLG;PFKL;LRRC3	0.196754	2.911819	0.004073	0.182265
	-0.16653	-2.91318	0.004056	0.182045
	0.30436	2.912884	0.00406	0.182109
WDR86-AS1;ATG9B;NOS3;WDR86;LINC01003	-0.35046	-2.91351	0.004052	0.181944
	0.246571	2.912076	0.00407	0.182221
SMG5	-0.22148	-2.91217	0.004069	0.182195
	0.411014	2.912984	0.004059	0.182099
	-0.28456	-2.91248	0.004065	0.182148
FSCN1	-0.33509	-2.91184	0.004073	0.182265
	0.279745	2.911474	0.004078	0.182345
	0.354834	2.912418	0.004066	0.182148
	-0.26732	-2.91075	0.004087	0.182562
PSME4	-0.18897	-2.91332	0.004055	0.181991
	0.468146	2.912022	0.004071	0.182232
	-0.29277	-2.91333	0.004054	0.181991
GNA15	-0.34299	-2.91238	0.004066	0.182148
	0.3023	2.913038	0.004058	0.182088
	-0.31042	-2.91111	0.004082	0.182466
SNX29	0.443457	2.910977	0.004084	0.182488
	0.354517	2.912157	0.004069	0.182195
	0.429449	2.91035	0.004092	0.182625
	-0.45249	-2.91265	0.004063	0.182148
PSMD1;B3GNT7;CAB39 MCU;CDH23;SGPL1;ANAPC16	0.218816	2.912344	0.004067	0.182148
	-0.39592	-2.91105	0.004083	0.182466
	0.346361	2.909587	0.004101	0.18283
	-0.16715	-2.90956	0.004101	0.18283
MEI1 TXNRD1;ENSG00000257438 ENSG00000237940 B3GNT3;PBX4;UPF1;ISYNA1;RAB3A;GDF15;KLHL26	-0.19651	-2.91183	0.004073	0.182265
	0.14732	2.90917	0.004106	0.182979
	-0.41768	-2.91153	0.004077	0.182345
	-0.40206	-2.91082	0.004086	0.182557
TTC18;DNAJC9-AS1;USP54;P4HA1;RNU6- 833P;ENSG00000227540;PLAU;MRPS16;VCL;ANXA7	0.33348	2.906116	0.004145	0.183616
	0.196017	2.909597	0.004101	0.18283
	0.341842	2.91151	0.004077	0.182345
	-0.48885	-2.91112	0.004082	0.182466
	-0.1669	-2.91057	0.004089	0.182601
	-0.28554	-2.90882	0.004111	0.183013

TEAD1	0.353922	2.91167	0.004075	0.182313
	-0.20839	-2.9095	0.004102	0.182831
	0.524544	2.908139	0.004119	0.183134
SLBP	0.21997	2.911308	0.00408	0.182418
	-0.35839	-2.90795	0.004122	0.183222
	0.40536	2.908624	0.004113	0.183035
TOMM40	-0.21494	-2.91108	0.004082	0.182466
	-0.33798	-2.91021	0.004093	0.182625
	-0.34069	-2.91048	0.00409	0.18261
MRPL21;TPCN2	0.527788	2.9105	0.00409	0.18261
	0.317717	2.910062	0.004095	0.182653
	-0.26022	-2.90834	0.004117	0.183099
THBS2	0.23409	2.909791	0.004099	0.182786
	0.307253	2.910182	0.004094	0.182625
	-0.49301	-2.90827	0.004118	0.18312
ARFGAP3	-0.33983	-2.90954	0.004102	0.18283
	0.304453	2.90838	0.004116	0.183099
	0.29811	2.909049	0.004108	0.182989
ABCG2;SPARCL1;C4orf36;MAPK10	0.200547	2.909467	0.004103	0.182833
	0.322658	2.910128	0.004094	0.182636
	-0.27434	-2.90848	0.004115	0.183079
RPL7L1	-0.34871	-2.91027	0.004092	0.182625
	-0.45866	-2.91063	0.004088	0.182585
	-0.18937	-2.9067	0.004137	0.183565
LRRC2;CXCR6;CCR1;PRSS50;CCRL2;MAP4	0.404228	2.90954	0.004102	0.18283
	0.360761	2.908901	0.00411	0.183013
	0.389737	2.910654	0.004088	0.182585
PDGFB;SUN2;CBX7;FAM83F;DNAL4	0.292038	2.910741	0.004087	0.182562
	0.270203	2.9091	0.004107	0.182981
	-0.20609	-2.90642	0.004141	0.183596
F10;GAS6;TMEM255B;TMCO3	-0.36345	-2.91019	0.004094	0.182625
	-0.30644	-2.90761	0.004126	0.183329
	0.170089	2.905701	0.00415	0.183753
PRF1	0.481637	2.908811	0.004111	0.183013
	-0.77482	-2.91025	0.004093	0.182625
	0.334004	2.9089	0.00411	0.183013
BAIAP2	0.299152	2.909097	0.004107	0.182981
	-0.36718	-2.90787	0.004123	0.183247
	-0.37608	-2.91022	0.004093	0.182625
ENSG00000264198;IKZF3;PLXDC1	-0.25772	-2.90823	0.004118	0.183122
	-0.34162	-2.9088	0.004111	0.183013
	0.186883	2.908951	0.004109	0.183013
TSPAN18	0.275405	2.907585	0.004126	0.183329
	0.433425	2.907411	0.004128	0.183407
	0.319272	2.906527	0.004139	0.183585
TNFSF14	0.249491	2.907108	0.004132	0.183511
	-0.35979	-2.90865	0.004113	0.183035

ADORA2A-AS1;GGT5	0.281023	2.908766	0.004111	0.183013
MS4A8;DAK;PPP1R32;LRRC10B;CYB561A3;ENSG00000257052;				
VPS37C;TMEM138;TMEM216;TMEM132A	-0.43859	-2.90699	0.004134	0.183511
C17orf66;DUSP14;ENSG00000266956	-0.34064	-2.90771	0.004125	0.183295
GGT7;EIF2S2;EIF6;ITCH;MYH7B	0.477632	2.907732	0.004124	0.183295
DCHS1	0.300034	2.908189	0.004119	0.183125
CYTH3;RNF216;RADIL;ACTB	-0.37269	-2.90669	0.004137	0.183565
	0.213146	2.906577	0.004139	0.183585
	-0.32364	-2.90836	0.004116	0.183099
CEP104;SKI	0.221083	2.906963	0.004134	0.183511
	0.827916	2.908477	0.004115	0.183079
	0.330171	2.904912	0.00416	0.183937
	-0.35971	-2.90616	0.004144	0.183616
CCDC96;KIAA0232	-0.26637	-2.90695	0.004134	0.183511
	-0.30204	-2.90651	0.00414	0.183585
	0.223097	2.908706	0.004112	0.183028
GLUD1	-0.4273	-2.90736	0.004129	0.183417
	0.273543	2.905005	0.004159	0.183937
ZNRD1-AS1	-0.24636	-2.90726	0.00413	0.183455
	-0.23164	-2.90551	0.004152	0.183802
	0.346873	2.904784	0.004161	0.183937
CHCHD3	0.309117	2.903916	0.004172	0.184177
CAPN5;LRRC32;AAMDC	0.242998	2.904636	0.004163	0.183976
CCDC173;BBS5	0.416183	2.906145	0.004144	0.183616
KALRN;ROPN1B	-0.37875	-2.90546	0.004153	0.183812
RHBDF2	0.347078	2.906995	0.004134	0.183511
	-0.39427	-2.90595	0.004147	0.183672
CARS;IGF2;MRPL23;NAP1L4	-0.44097	-2.90564	0.004151	0.18377
	-0.41454	-2.90701	0.004133	0.183511
	0.295893	2.905853	0.004148	0.183706
FSTL3;MISP;R3HDM4;PPAP2C;PALM;ADAMTSL5;GAMT;SHC2;G				
RIN3B;MIDN;TCF3	-0.30463	-2.90327	0.004181	0.184231
	0.131064	2.904254	0.004168	0.184087
	0.293771	2.906418	0.004141	0.183596
	0.293848	2.906288	0.004142	0.183596
SMIM20	-0.3633	-2.90638	0.004141	0.183596
	0.271147	2.905524	0.004152	0.183802
BAIAP2;C17orf89;SLC25A10;GPS1;STRA13	-0.22854	-2.90525	0.004156	0.183891
	-0.19999	-2.90344	0.004179	0.184231
	-0.26353	-2.90657	0.004139	0.183585
MZB1	-0.38956	-2.90674	0.004137	0.183565
	0.431737	2.906736	0.004137	0.183565
	0.328529	2.90629	0.004142	0.183596
WDR45B;PCYT2;LRRC45;MAFG-				
AS1;FN3KRP;ENSG00000261888;ENSG00000262652;METRNL;				
NOTUM	-0.39656	-2.9058	0.004149	0.183719
	0.265765	2.906243	0.004143	0.183602

	0.255633	2.901413	0.004204	0.18454
	0.247582	2.902952	0.004185	0.18436
APBA2	0.376108	2.906684	0.004137	0.183565
	0.382564	2.906328	0.004142	0.183596
TLN1;RUSC2;TPM2;DNAJB5;RECK;GLIPR2;UNC13B;STOML2;GN E;PIGO;CLTA;RMRP;HINT2;VCP	0.378024	2.904607	0.004164	0.183976
	-0.21563	-2.90456	0.004164	0.183976
	-0.3377	-2.90326	0.004181	0.184231
ENSG00000260742	0.220222	2.902234	0.004194	0.184536
TLDC1	-0.22877	-2.90481	0.004161	0.183937
DCDC2B;ZBTB8A;COL16A1;IQCC;TMEM39B;TMEM234;TINAGL 1	-0.32156	-2.90396	0.004172	0.184177
GARNL3;RALGPS1;ANGPTL2;PBX3	0.338219	2.902232	0.004194	0.184536
TNFRSF1B;TNFRSF8	-0.26994	-2.90445	0.004166	0.183994
	0.261895	2.902634	0.004189	0.184481
	-0.33497	-2.90386	0.004173	0.184177
BAIAP2	-0.41236	-2.90536	0.004154	0.183846
	-0.50418	-2.90197	0.004197	0.18454
JTB;HCN3;GBAP1	0.25749	2.903401	0.004179	0.184231
STAT5B;FKBP10;RAMP2;ATP6V0A1;CNTNAP1;KRT23;PTRF;STAT 5A;KRT13;KRT19;VPS25;TUBG1;KRT20;COASY;LEPREL4;KRT42P; TUBG2;EZH1;ENSG00000267758	-0.31754	-2.90325	0.004181	0.184231
NXPH3;SGCA;COL1A1;CACNA1G;MYCBPAP;ANKRD40	0.580148	2.904815	0.004161	0.183937
ENSG00000261655;PTP4A3	-0.3855	-2.90485	0.004161	0.183937
	0.34981	2.904181	0.004169	0.184109
CCR1	0.223087	2.902869	0.004186	0.184387
FAM213B	0.324254	2.904863	0.00416	0.183937
PDPK1;ENSG00000262370;TCEB2	0.324278	2.90494	0.004159	0.183937
	0.291731	2.904889	0.00416	0.183937
	-0.20966	-2.90606	0.004145	0.183628
	-0.24528	-2.90495	0.004159	0.183937
	0.502148	2.903957	0.004172	0.184177
	0.399249	2.90493	0.00416	0.183937
RCSD1;GPR161;MPC2;TBX19	-0.27231	-2.90338	0.004179	0.184231
GPR110;GPR116;TNFRSF21	-0.20667	-2.90179	0.0042	0.18454
SUGCT	0.31113	2.902377	0.004192	0.184534
ZNF423	-0.3485	-2.90476	0.004162	0.183937
	0.300959	2.903483	0.004178	0.184231
	0.333139	2.904519	0.004165	0.183976
TRPM2	0.510804	2.904521	0.004165	0.183976
	-0.29794	-2.90325	0.004181	0.184231
ANKRD28;BTD;RFTN1;HACL1;GALNT15;SH3BP5;DPH3	-0.36329	-2.90161	0.004202	0.18454
RIPK4;PDE9A;SLC37A1;UBASH3A;TMPRSS2	-0.3409	-2.90235	0.004192	0.184534
	0.312426	2.903886	0.004173	0.184177
	0.186718	2.902089	0.004196	0.18454
	0.396966	2.902453	0.004191	0.184526
CALM2;EPCAM	-0.34566	-2.90061	0.004215	0.184703

SGPP2	-0.33896	-2.90393	0.004172	0.184177
SOX21-AS1;GPR180;GPC6;DNAJC3;DNAJC3-AS1;CLDN10;SOX21	0.383745	2.903492	0.004178	0.184231
MYO9A;UACA;THSD4	0.356533	2.901761	0.0042	0.18454
	0.235672	2.903738	0.004175	0.184204
	0.305981	2.902264	0.004193	0.184536
	0.196669	2.901527	0.004203	0.18454
FAIM2	-0.25246	-2.90379	0.004174	0.184194
	0.296406	2.903497	0.004178	0.184231
ASNA1;ZNF627	0.35732	2.903593	0.004177	0.184229
	-0.32276	-2.90234	0.004193	0.184534
	-0.16703	-2.90258	0.004189	0.184494
RAMP3;POLD2;BLVRA;HECW1;COA1	0.295167	2.901159	0.004208	0.184599
	0.175487	2.90365	0.004176	0.184224
	0.146932	2.900616	0.004215	0.184703
	0.240609	2.901883	0.004198	0.18454
	-0.42065	-2.90182	0.004199	0.18454
	0.301806	2.903053	0.004183	0.184322
	0.368975	2.902742	0.004187	0.18444
	0.241971	2.900502	0.004216	0.184715
UNC13B	-0.45852	-2.90144	0.004204	0.18454
RPS27A	0.382925	2.902488	0.004191	0.184525
NUP210;FBLN2	0.323456	2.901919	0.004198	0.18454
CDS1;NKX6-1	-0.37132	-2.90156	0.004202	0.18454
	0.148068	2.901585	0.004202	0.18454
KLHDC1	0.309565	2.900969	0.00421	0.184637
SYTL3;RSPH3;DYNLT1;EZR;C6orf99;ZDHHC14;ENSG0000021307				
6	-0.43165	-2.89938	0.00423	0.185037
	-0.2874	-2.90363	0.004176	0.184224
SIGLEC9;FPR1	-0.33925	-2.8997	0.004226	0.184973
	0.211606	2.902053	0.004196	0.18454
UGP2;AFTPH	-0.30328	-2.90144	0.004204	0.18454
	-0.35925	-2.90193	0.004198	0.18454
	0.274154	2.899663	0.004227	0.184973
	0.343419	2.90073	0.004213	0.184695
TP73-AS1;MEGF6	0.222822	2.901593	0.004202	0.18454
	-0.25821	-2.90047	0.004216	0.184715
	0.32515	2.901453	0.004204	0.18454
XPNPEP1	-0.52901	-2.90161	0.004202	0.18454
	0.286465	2.899865	0.004224	0.184973
SLC4A8;OR7E47P;TFCP2	0.24595	2.898883	0.004237	0.185108
	0.134395	2.901854	0.004199	0.18454
	-0.19275	-2.89948	0.004229	0.185037
VWF;IFFO1;CLSTN3	0.477926	2.90046	0.004217	0.184715
POLD2	0.212257	2.901226	0.004207	0.184599
	0.289667	2.900546	0.004215	0.184715
	0.246355	2.901086	0.004209	0.184599

ABI3	-0.31281	-2.90201	0.004197	0.18454
DDR GK1	-0.1934	-2.90152	0.004203	0.18454
	0.205078	2.899145	0.004233	0.185086
	0.160912	2.901615	0.004202	0.18454
ACSBG2	-0.35813	-2.90115	0.004208	0.184599
KIAA1841	-0.39039	-2.89972	0.004226	0.184973
	0.324273	2.899036	0.004235	0.185108
	0.384958	2.900752	0.004213	0.184695
	0.383665	2.899683	0.004226	0.184973
	0.169443	2.898786	0.004238	0.185121
	0.262886	2.901106	0.004208	0.184599
	0.295407	2.900764	0.004213	0.184695
C11orf83;TMEM258	0.292675	2.901416	0.004204	0.18454
	0.272735	2.901071	0.004209	0.184599
EGFLAM;LIFR;DAB2;OSMR	0.4092	2.897843	0.00425	0.185353
	-0.23452	-2.90041	0.004217	0.184724
TMC8;TMC6;TNRC6C-AS1	-0.35588	-2.90119	0.004207	0.184599
	0.228877	2.899762	0.004225	0.184973
	0.346112	2.898901	0.004237	0.185108
	-0.33568	-2.89899	0.004235	0.185108
TMEM255B	-0.3775	-2.89979	0.004225	0.184973
	-0.31062	-2.89811	0.004247	0.185314
	0.35614	2.900681	0.004214	0.184703
	0.260719	2.898255	0.004245	0.185273
	-0.20408	-2.89851	0.004242	0.185187
	0.368762	2.899873	0.004224	0.184973
	0.259749	2.896398	0.004269	0.185711
FNBP1;CERCAM;PKN3;DOLPP1;DNM1;COQ4;LINC00963;WDR3				
4;ODF2;GLE1;SPTAN1;TOR1A;TOR1B	-0.3668	-2.89939	0.00423	0.185037
PITPNM2;CLIP1;TMED2	-0.34884	-2.90013	0.004221	0.184861
	0.291747	2.90086	0.004211	0.184679
ENSG00000259881	0.296836	2.8986	0.00424	0.185185
EBPL	-0.46403	-2.89812	0.004247	0.185314
	0.275567	2.899204	0.004233	0.185086
	0.297133	2.898545	0.004241	0.185185
DCDC1;MPPED2;ENSG00000255029	-0.34472	-2.89546	0.004281	0.185904
TMEM255B;GAS6;F10;TMCO3;TFDP1	-0.31933	-2.89897	0.004236	0.185108
	-0.39528	-2.89915	0.004233	0.185086
FRAS1	0.370005	2.897196	0.004259	0.185509
TMEM255B;CDC16;ADPRHL1;GAS6;TFDP1;TMCO3	-0.59623	-2.89919	0.004233	0.185086
	0.331491	2.897498	0.004255	0.185424
CDH23;PALD1;SLC29A3	0.328126	2.897274	0.004258	0.185484
MLLT4;C6orf123	-0.21868	-2.89913	0.004234	0.185086
GLB1L2	0.303049	2.897629	0.004253	0.185379
	-0.25613	-2.89739	0.004256	0.185456
PPP1R7;HDLBP;BOK;PASK	-0.33804	-2.89939	0.00423	0.185037
	0.487971	2.897956	0.004249	0.185351



SHH	-0.39161	-2.89884	0.004237	0.185115
	-0.37835	-2.89891	0.004236	0.185108
	0.274652	2.898043	0.004248	0.185335
	0.444778	2.899575	0.004228	0.185004
	-0.25395	-2.89767	0.004252	0.185379
ENSG00000261659;ENSG00000196674;METRN;IFT140 TTC18;P4HA1;DNAJC9- AS1;ENSG00000227540;USP54;ANXA7;VCL;MRPS16;RNU6- 833P;MCU;CHCHD1	0.375154	2.898759	0.004238	0.185121
	0.559406	2.89831	0.004244	0.18526
	-0.2321	-2.89596	0.004275	0.185838
	-0.34393	-2.89671	0.004265	0.185687
	-0.31442	-2.89641	0.004269	0.185711
AKR1C2;AKR1C3;AKR1C1;FAM208B TNRC6C;TIMP2;CBX2;SYNGR2;C1QTNF1;ENSG00000178404;CA NT1	-0.56633	-2.89769	0.004252	0.185379
	0.234655	2.895646	0.004279	0.185872
	0.302047	2.897072	0.00426	0.18556
	0.165981	2.89609	0.004273	0.185811
	0.231747	2.895932	0.004275	0.185838
IL32	-0.27464	-2.89729	0.004257	0.185484
	0.265345	2.898444	0.004242	0.185204
	-0.26479	-2.8958	0.004277	0.185838
	0.291759	2.898565	0.004241	0.185185
	0.400326	2.897946	0.004249	0.185351
RASSF1;DOCK3;SEMA3F				
FAM41C;NADK;RER1;TUBB8P11;SCNN1D;CALML6;C1orf86;SKI TNXB;SLC44A4;NOTCH4	-0.38879	-2.89786	0.00425	0.185353
	-0.33875	-2.89655	0.004267	0.185694
	0.193715	2.895509	0.00428	0.185904
	0.253558	2.895875	0.004276	0.185838
	0.218896	2.896885	0.004263	0.185628
RNF144A	0.177701	2.896473	0.004268	0.185708
	-0.43366	-2.89662	0.004266	0.185694
	0.302583	2.896556	0.004267	0.185694
	0.235655	2.897845	0.00425	0.185353
	-0.2545	-2.89558	0.004279	0.185888
ZNF664;SCARB1;BRI3BP	0.389069	2.896702	0.004265	0.185687
	0.347324	2.897481	0.004255	0.185424
	-0.30807	-2.89577	0.004277	0.185838
	0.372414	2.896678	0.004265	0.185687
	-0.40682	-2.89637	0.004269	0.185711
CDCA5;VEGFB ENSG00000237423;ZMYND8 MS4A1	-0.23333	-2.89763	0.004253	0.185379
	-0.48225	-2.89584	0.004276	0.185838
	0.160701	2.897038	0.004261	0.18556
	0.262717	2.895391	0.004282	0.185922
DLAT;TTC12;PTS;CRYAB;C11orf88;MIR34C;PIH1D2;C11orf1;BT G4;ENSG00000254980	-0.48939	-2.89398	0.0043	0.186283
	0.325655	2.893794	0.004303	0.186318

TMC5;CCP110;COQ7;GPRC5B;IQCK;ABCC6P1;GDE1;SYT17	-0.31543	-2.89653	0.004267	0.185694
WDR78;TCTEX1D1;SGIP1;C1orf141	-0.36079	-2.89774	0.004252	0.185379
AASS	0.366794	2.89624	0.004271	0.185764
	-0.4097	-2.89611	0.004273	0.185811
	0.26083	2.894324	0.004296	0.186165
	0.45927	2.895259	0.004284	0.185959
	0.363712	2.893323	0.004309	0.186395
	0.425273	2.895741	0.004277	0.185838
	-0.35426	-2.89481	0.00429	0.18608
	-0.38253	-2.89324	0.00431	0.186395
TMEM108;SLCO2A1;SRPRB	-0.3107	-2.89375	0.004303	0.186318
	0.366194	2.895113	0.004286	0.186022
WDR45B;PCYT2;NOTUM;LRRC45;BAIAP2;LINC00482;BAIAP2-AS1;ENSG00000261924;MAFG-AS1;TMEM105;SLC25A10	-0.31794	-2.89497	0.004287	0.186078
	-0.21525	-2.89455	0.004293	0.186119
	0.249187	2.89587	0.004276	0.185838
LRRC27;TUBGCP2;TTC40;PWWP2B;KNDC1;FUOM;INPP5A	-0.39955	-2.89487	0.004289	0.18608
SNHG3;SNORA73B;SNHG12	-0.42328	-2.89466	0.004291	0.186108
	-0.42944	-2.89527	0.004284	0.185959
STAG3L2;WBSCR22;EIF4H	-0.27466	-2.89586	0.004276	0.185838
	-0.25683	-2.89169	0.00433	0.186739
CDIP1;GLIS2;GLYR1;SMIM22;C16orf71;CREBBP;CORO7;SRL;SEC14L5;VASN	-0.32184	-2.89547	0.004281	0.185904
CAV1;TES;ENSG00000243243	-0.44765	-2.89234	0.004322	0.18659
GHRLOS	0.271675	2.894947	0.004288	0.186078
GPR132;AHNAK2;TNFAIP2;ADSSL1;C14orf2;EIF5	0.358807	2.894277	0.004296	0.186165
	0.337464	2.894667	0.004291	0.186108
	0.175152	2.89136	0.004335	0.186739
CACNA1H;TMEM204;HN1L;UNKL;PKD1;ABCA3;PDPK1;SRRM2;C16orf91;TSC2	-0.31708	-2.8935	0.004307	0.186384
	0.354221	2.891558	0.004332	0.186739
HLA-DPB1	0.293078	2.893599	0.004305	0.186349
	0.277697	2.894259	0.004297	0.186165
	0.2095	2.891691	0.00433	0.186739
	0.265426	2.894746	0.00429	0.186097
	0.321488	2.893242	0.00431	0.186395
	0.314682	2.894487	0.004294	0.18613
ZNF366	0.419942	2.893932	0.004301	0.186293
C14orf79;ADSSL1;INF2;KIF26A;CDCA4;JAG2	-0.44012	-2.89102	0.004339	0.186739
SMAP2;HEYL;RIMS3;PABPC4;NFYC;AKIRIN1;KCNQ4;TRIT1;ZMPS				
TE24;CITED4;MFSD2A	-0.37874	-2.89361	0.004305	0.186349
	-0.54787	-2.8944	0.004295	0.186147
KLHDC7A;CROCC;PADI2;ENSG00000233421	-0.41363	-2.89454	0.004293	0.186119
CNPY4;ENSG00000239521;PCOLCE	-0.17767	-2.89487	0.004289	0.18608

SHQ1;PDZRN3;GPR27	-0.48121	-2.89439	0.004295	0.186147
	-0.2633	-2.89241	0.004321	0.18659
	0.337803	2.894605	0.004292	0.186119
CWC15	0.346934	2.890985	0.00434	0.186739
GIMAP8;GIMAP6;SMARCD3;NOS3;GIMAP5;GIMAP1;GIMAP7;P RKAG2;GIMAP4	-0.43218	-2.89483	0.004289	0.18608
DNAJC16;KAZN;FHAD1;FBLIM1;ENSG00000228140;AGMAT LGALS3	0.30728	2.890365	0.004348	0.186955
	-0.46344	-2.89332	0.004309	0.186395
MIR497HG;CLDN7;TNFSF12;POLR2A;ATP1B2;SLC2A4	-0.23986	-2.89317	0.004311	0.186395
	0.412797	2.893883	0.004302	0.186301
OAT	0.24943	2.892184	0.004324	0.18664
	-0.36413	-2.89252	0.004319	0.18659
	0.306645	2.893602	0.004305	0.186349
ENSG00000239665	0.28465	2.891472	0.004333	0.186739
TXLNA	0.204957	2.889789	0.004355	0.187022
	-0.36237	-2.8928	0.004316	0.18648
	-0.24633	-2.89416	0.004298	0.186201
	0.283524	2.892088	0.004325	0.186675
GALNS	-0.45086	-2.89119	0.004337	0.186739
	-0.20113	-2.89125	0.004336	0.186739
	0.360577	2.893776	0.004303	0.186318
MATN2;CPQ	-0.3894	-2.88998	0.004353	0.187006
	-0.28321	-2.89298	0.004313	0.186395
DHRS3;ENSG00000272482;MIIP;ANGPTL7	-0.27937	-2.89311	0.004312	0.186395
CHST6;ENSG00000203472	-0.42145	-2.89344	0.004307	0.186395
PAQR4;ENSG00000205890;CCDC64B;IL32;CREBBP;PRSS22;PDP K1;ENSG00000262370	-0.28392	-2.89094	0.00434	0.186739
	0.328383	2.891509	0.004333	0.186739
	-0.28472	-2.89328	0.004309	0.186395
	0.282813	2.893018	0.004313	0.186395
	-0.35102	-2.8932	0.00431	0.186395
	0.166942	2.89226	0.004323	0.186616
	0.244577	2.891152	0.004337	0.186739
	-0.38285	-2.89239	0.004321	0.18659
FAM83H-AS1	-0.27355	-2.89164	0.004331	0.186739
	0.346258	2.891112	0.004338	0.186739
TET1;TSPAN15;COL13A1;PBLD;TACR2;STOX1	-0.33224	-2.89337	0.004308	0.186395
MRPS15;AGO3;MTF1	-0.29972	-2.8911	0.004338	0.186739
ENSG00000248441;NR2F2	-0.44292	-2.89102	0.004339	0.186739
	0.369483	2.893114	0.004312	0.186395
BTBD9;TBC1D22B;CPNE5;TMEM217;CDKN1A	-0.30917	-2.89018	0.00435	0.186957
	-0.29894	-2.89178	0.004329	0.186739
	0.377812	2.893011	0.004313	0.186395
BAIAP2;RNF213;PCYT2	0.446571	2.890087	0.004351	0.186961
CYTH3;RNF216;RADIL;ACTB	-0.29546	-2.89174	0.00433	0.186739
CCDC7	0.291778	2.893045	0.004313	0.186395

MRPL23;NAP1L4;TSPAN32;CARS;IGF2	-0.50262	-2.89102	0.004339	0.186739
RABL5;ZCWPW1;EPHB4;ZNHIT1;STAG3;TRIP6;ENSG000002395				
21;ACHE;MUC12;PCOLCE;ENSG00000260336;GNB2	-0.32086	-2.89019	0.00435	0.186957
	-0.25129	-2.8911	0.004338	0.186739
VCPIP1;ADHFE1	-0.36617	-2.89266	0.004318	0.186539
CACNA1E;ENSG00000243155	0.32678	2.889178	0.004363	0.187112
	-0.33261	-2.8916	0.004331	0.186739
	0.608224	2.891979	0.004326	0.186718
	0.318368	2.892339	0.004322	0.18659
	0.29704	2.89015	0.004351	0.186957
	0.165651	2.89121	0.004337	0.186739
	-0.2608	-2.89185	0.004328	0.186739
PTGES3;ENSG00000224713;RBMS2;TSPAN31;ARHGEF25;BAZ2				
A;ARHGAP9;PIP4K2C;ATP5B	-0.38714	-2.88928	0.004362	0.187101
NRP1	0.388121	2.887698	0.004383	0.18749
ZNF34;FAM83H-AS1;FAM83H;TSTA3;MROH6;GPIHBP1	-0.74277	-2.8925	0.00432	0.18659
RARG;TENC1;IGFBP6;SLC4A8;BIN2;GALNT6;KRT5;GRASP;ACVRL				
1	-0.25939	-2.89161	0.004331	0.186739
HEG1;MUC13;ROPN1B	0.282866	2.890824	0.004342	0.18677
TNFRSF14	0.318966	2.892432	0.004321	0.18659
	0.325962	2.890239	0.004349	0.186957
	-0.2665	-2.89132	0.004335	0.186739
TMEM121;C14orf79	-0.25643	-2.8895	0.004359	0.187048
	0.414883	2.88946	0.00436	0.187054
AGAP2;ARHGEF25;B4GALNT1;ENSG00000224713;ERBB3;GLI1;				
NDUFA4L2	0.339587	2.88863	0.004371	0.187246
	0.344489	2.891407	0.004334	0.186739
MIS12	-0.21275	-2.89139	0.004334	0.186739
PPCS	0.394738	2.890505	0.004346	0.186894
	0.185452	2.889832	0.004355	0.187022
	-0.26052	-2.88964	0.004357	0.187022
	0.299463	2.890911	0.004341	0.186739
	-0.19252	-2.89013	0.004351	0.186957
	0.301808	2.890968	0.00434	0.186739
	0.217239	2.888667	0.00437	0.187246
	-0.27454	-2.88988	0.004354	0.187022
	-0.3357	-2.89019	0.00435	0.186957
FAM110C;SH3YL1	-0.31449	-2.88958	0.004358	0.187022
	0.205876	2.888615	0.004371	0.187246
	0.346563	2.890622	0.004344	0.186846
	0.184548	2.889926	0.004353	0.187015
	-0.33439	-2.891	0.004339	0.186739
FRA10AC1	0.388922	2.890735	0.004343	0.186801
TC2N;CALM1;CCDC88C;ENSG00000260711;NDUFB1;SLC24A4;				
TTC7B	-0.37011	-2.88866	0.00437	0.187246
THSD1	0.271307	2.886685	0.004396	0.187575
WDR73;UBE2Q2P1;AGBL1;AKAP13;ENSG00000259544	-0.39831	-2.88676	0.004395	0.187575

TBX5-AS1;TBX3;TBX5 PRKCQ	0.241448	2.887978	0.004379	0.187405
	-0.37796	-2.89118	0.004337	0.186739
	0.261831	2.887859	0.004381	0.187418
	-0.32983	-2.88672	0.004396	0.187575
	-0.30884	-2.8902	0.00435	0.186957
ELN;CLDN4;ABHD11	0.206149	2.889294	0.004362	0.187101
	-0.30823	-2.88851	0.004372	0.187246
	0.425064	2.889095	0.004364	0.187129
	0.284558	2.88667	0.004397	0.187575
	-0.40116	-2.88975	0.004356	0.187022
FUT2;AP2S1	-0.39706	-2.88962	0.004358	0.187022
	-0.44294	-2.88809	0.004378	0.187405
	0.284259	2.887521	0.004385	0.187553
	-0.24819	-2.88855	0.004372	0.187246
	-0.31696	-2.8879	0.00438	0.187414
SLBP	-0.37955	-2.8888	0.004368	0.187238
CDHR1	0.185822	2.88883	0.004368	0.187238
	-0.32367	-2.886	0.004406	0.187703
	0.148308	2.889244	0.004363	0.187101
	0.195638	2.88695	0.004393	0.187575
	0.219022	2.887176	0.00439	0.187575
KATNB1;CCDC135;ENSG00000260467;ENSG00000259922;ENS G00000260438	0.337157	2.889618	0.004358	0.187022
	0.230042	2.888836	0.004368	0.187238
	-0.23129	-2.88868	0.00437	0.187246
	0.312289	2.886125	0.004404	0.187653
	0.347671	2.889716	0.004356	0.187022
RAPGEF4;ENSG00000091436;CHN1;GPR155	0.278617	2.888296	0.004375	0.187339
	0.271183	2.889159	0.004364	0.187112
	0.248747	2.888514	0.004372	0.187246
	0.197889	2.887529	0.004385	0.187553
	0.249132	2.887069	0.004391	0.187575
SNORA74A;HARS EIF4ENIF1;SMTN;PES1;DRG1;TCN2 CACNA2D3	0.382673	2.887489	0.004386	0.187553
	-0.50376	-2.88804	0.004378	0.187405
	-0.32844	-2.88578	0.004409	0.187738
	-0.34633	-2.88928	0.004362	0.187101
	0.219005	2.889592	0.004358	0.187022
TXK ENSG00000260257	-0.28245	-2.884	0.004432	0.18804
	0.205043	2.887948	0.00438	0.187405
	0.2433	2.887207	0.004389	0.187575
	0.388213	2.888008	0.004379	0.187405
	0.308813	2.887294	0.004388	0.187575
MRPL36 ANKRD31;ANKDD1B;GFM2	-0.25794	-2.88722	0.004389	0.187575
	0.287423	2.886849	0.004394	0.187575
	0.364505	2.886361	0.004401	0.187575
	0.253873	2.882819	0.004448	0.188133
	-0.4472	-2.88641	0.0044	0.187575
EP400				
FGFR4;ARL10;DBN1				
ATPIF1;ENSG00000270605;TMEM200B;TRNAU1AP				

PFKFB2;C1orf116	0.330327	2.88683	0.004395	0.187575
	-0.29716	-2.88849	0.004372	0.187246
	0.354258	2.88474	0.004422	0.187876
C17orf96	0.40399	2.886409	0.0044	0.187575
SH2D2A;SYT11;NTRK1	0.308576	2.884543	0.004425	0.1879
	0.360036	2.886417	0.0044	0.187575
	0.233711	2.886464	0.004399	0.187575
	0.420042	2.887078	0.004391	0.187575
TBC1D8;RFX8;ENSG00000272902;IL18R1;IL1RL1;IL1R1;ENSG0000271532 CD247	0.432834	2.886737	0.004396	0.187575
	-0.40847	-2.88679	0.004395	0.187575
	0.377937	2.887996	0.004379	0.187405
	-0.29	-2.8874	0.004387	0.187575
	0.360135	2.886616	0.004397	0.187575
KLHL23;BBS5;ERICH2;CCDC173;ENSG00000239467	0.313245	2.886625	0.004397	0.187575
	-0.36007	-2.88528	0.004415	0.187773
	0.244875	2.885444	0.004413	0.187773
	0.369869	2.885003	0.004419	0.187773
FAM216B;OR7E36P;ENOX1;RGCC;VWA8	-0.4099	-2.88591	0.004407	0.187737
	0.271148	2.885345	0.004414	0.187773
GFI1 SHC4	-0.46041	-2.88799	0.004379	0.187405
	-0.50564	-2.88513	0.004417	0.187773
	0.15599	2.88396	0.004433	0.18804
	-0.26951	-2.88657	0.004398	0.187575
	0.271863	2.88668	0.004397	0.187575
HCP5;HLA-B;PPP1R10;PPP1R18;HLA-DRA;HLA-C;MICB ZAP70;INPP4A;MGAT4A;YWHAQP5	0.587373	2.887085	0.004391	0.187575
	0.312911	2.887139	0.00439	0.187575
	-0.32917	-2.88501	0.004419	0.187773
	0.3233	2.886763	0.004395	0.187575
	0.290616	2.885584	0.004411	0.187755
NAT1;PCM1;SLC7A2	-0.36403	-2.88324	0.004442	0.188114
	-0.38479	-2.88536	0.004414	0.187773
	-0.34592	-2.88566	0.00441	0.187748
	-0.32572	-2.88571	0.004409	0.187748
	0.213547	2.885616	0.004411	0.187755
	0.260665	2.883562	0.004438	0.188113
	0.295183	2.882857	0.004448	0.18813
	-0.31456	-2.8841	0.004431	0.18804
LEKR1;VEPH1;LINC00886;ENSG00000243176 GPR161;MPC2;DCAF6	-0.44163	-2.88326	0.004442	0.188114
	-0.33534	-2.88708	0.004391	0.187575
	-0.35132	-2.88526	0.004415	0.187773
	0.378413	2.8867	0.004396	0.187575
	0.337654	2.884993	0.004419	0.187773
	-0.19804	-2.88341	0.00444	0.188113
	-0.36167	-2.88509	0.004418	0.187773
	0.317748	2.885385	0.004414	0.187773
	-0.23468	-2.88653	0.004398	0.187575

FERMT2;BMP4;DDHD1	0.196522	2.885856	0.004407	0.187738
	0.319831	2.883462	0.00444	0.188113
	0.336697	2.885524	0.004412	0.18777
PTPRE;ADAM12	-0.42224	-2.8851	0.004418	0.187773
CYP2A13	-0.22595	-2.88579	0.004408	0.187738
	0.337396	2.886366	0.004401	0.187575
	-0.23436	-2.88383	0.004435	0.18804
	-0.16404	-2.88624	0.004402	0.187606
	0.306428	2.885675	0.00441	0.187748
	-0.52196	-2.88628	0.004402	0.1876
USP48;HSPG2	0.274863	2.884714	0.004423	0.187876
DENND3	-0.25784	-2.88341	0.00444	0.188113
	-0.32741	-2.88454	0.004425	0.1879
	0.275523	2.881648	0.004464	0.18833
	0.18786	2.88297	0.004446	0.188114
AP1M2;KANK2	-0.31155	-2.88579	0.004408	0.187738
KIAA0922;TRIM2	-0.41562	-2.88642	0.0044	0.187575
	-0.20348	-2.88294	0.004447	0.188114
DALRD3	0.282692	2.884204	0.00443	0.18804
BOLA3	0.335149	2.883621	0.004437	0.188105
	0.36682	2.885198	0.004416	0.187773
	0.380917	2.885491	0.004412	0.18777
TMC8;ST6GALNAC2;ST6GALNAC1	-0.4143	-2.88466	0.004424	0.18789
	0.297581	2.884561	0.004425	0.1879
	0.224257	2.881356	0.004468	0.18839
	0.253009	2.883985	0.004433	0.18804
	0.159127	2.881385	0.004468	0.18839
	0.289242	2.883676	0.004437	0.188093
	0.37543	2.883909	0.004434	0.18804
	0.273321	2.883435	0.00444	0.188113
	0.394207	2.883866	0.004434	0.18804
MGEA5	-0.43215	-2.8848	0.004422	0.187864
	0.412754	2.883165	0.004444	0.188114
	0.248298	2.884425	0.004427	0.187947
	0.268292	2.883923	0.004433	0.18804
	-0.31853	-2.88388	0.004434	0.18804
ENSG00000261655;PTP4A3	0.39126	2.882918	0.004447	0.188114
NRXN2;RASGRP2;MAP4K2;CCDC88B;PRDX5;FERMT3;STIP1;DN				
AJC4;HRASLS2	-0.3324	-2.88293	0.004447	0.188114
	0.249377	2.882928	0.004447	0.188114
	0.324217	2.884998	0.004419	0.187773
	-0.42806	-2.88524	0.004416	0.187773
TENC1;POU6F1;ACVRL1	-0.33454	-2.88237	0.004454	0.188269
	0.172441	2.881798	0.004462	0.18833
	0.372677	2.883225	0.004443	0.188114
	-0.2103	-2.88248	0.004453	0.188236
	0.25274	2.881731	0.004463	0.18833

C6orf211	-0.51637	-2.88379	0.004435	0.188047
	0.259566	2.883895	0.004434	0.18804
	-0.37355	-2.88268	0.00445	0.188195
	0.24998	2.88262	0.004451	0.188209
TIMP2	-0.34918	-2.88384	0.004434	0.18804
BLK	0.312762	2.884136	0.00443	0.18804
	0.288007	2.883541	0.004438	0.188113
	-0.33858	-2.88124	0.004469	0.1884
	-0.4641	-2.88191	0.00446	0.18833
	0.372204	2.882319	0.004455	0.188269
	-0.38898	-2.88169	0.004463	0.18833
	-0.34371	-2.88307	0.004445	0.188114
	-0.29124	-2.88143	0.004467	0.188383
	0.315385	2.883102	0.004444	0.188114
	-0.45734	-2.88187	0.004461	0.18833
	0.268498	2.881143	0.004471	0.1884
	0.351213	2.88222	0.004456	0.188306
	-0.31429	-2.88311	0.004444	0.188114
	0.291366	2.883243	0.004442	0.188114
CDH1;ESRP2;CHTF8;NQO1;NIP7	-0.57262	-2.8815	0.004466	0.188364
SMYD2	0.366696	2.88329	0.004442	0.188114
PCDH1	0.231023	2.88125	0.004469	0.1884
SHANK2;TPCN2;MRGPRF;ANO1;ENSG00000256508;ENSG00000261625;ENSG00000246889	-0.38405	-2.88117	0.00447	0.1884
	0.183424	2.882575	0.004451	0.188216
HSPA12B;ADAM33;CDC25B;C20orf27	-0.34326	-2.88202	0.004459	0.18833
TRIM37;GDPD1	0.171258	2.880798	0.004475	0.188496
	-0.19067	-2.87894	0.004501	0.188893
	-0.38468	-2.8817	0.004463	0.18833
RAD51B	-0.22232	-2.8803	0.004482	0.188603
	0.26716	2.881843	0.004461	0.18833
	-0.31099	-2.88088	0.004474	0.188496
	-0.24743	-2.88171	0.004463	0.18833
	0.303339	2.881228	0.00447	0.1884
	-0.42143	-2.88308	0.004445	0.188114
	0.187665	2.88165	0.004464	0.18833
PHLDB1;KMT2A;MPZL3;ENSG00000255176;BACE1;SCN2B;FXD2;TAGLN;FXD6;TMPRSS4;PCSK7;HMBS;UBE4A;TREH;TMEM25;IFT46;ATP5L	-0.29715	-2.88056	0.004479	0.188547
SIPA1;CTSW	-0.23057	-2.88248	0.004453	0.188236
IDH1	0.328397	2.882334	0.004455	0.188269
	0.283202	2.881591	0.004465	0.18833
	0.368262	2.881764	0.004462	0.18833
CCDC33;ENSG00000259264;HCN4;CYP11A1;SEMA7A;PML;CSK;FAM219B	-0.31703	-2.88019	0.004484	0.188628
	0.391551	2.878123	0.004512	0.189139
	0.380509	2.879191	0.004497	0.188876



	-0.3309	-2.88168	0.004463	0.18833
	0.395992	2.877443	0.004521	0.189289
LINC00284;FAM216B	-0.33696	-2.88083	0.004475	0.188496
KIF24;RN7SKP24;CCL19;ENSG00000230729;DNAI1;ANKRD18B	-0.23878	-2.88036	0.004481	0.188603
	0.417984	2.879077	0.004499	0.188876
	-0.29321	-2.88119	0.00447	0.1884
	0.238254	2.880571	0.004479	0.188547
	-0.60469	-2.88193	0.00446	0.18833
	0.236702	2.881621	0.004464	0.18833
THSD7A;ENSG00000235920;ENSG00000230333	0.376083	2.880973	0.004473	0.188478
	0.348507	2.879261	0.004496	0.188876
KIAA0825;NR2F1	0.288919	2.879948	0.004487	0.18868
	0.395103	2.877524	0.00452	0.189289
CLEC10A;ACAP1;KCTD11	-0.4874	-2.88199	0.004459	0.18833
DNM1P46;SYNM;ENSG00000259363;TTC23;ENSG00000261616	-0.29332	-2.88075	0.004476	0.188496
	-0.36342	-2.87886	0.004502	0.188905
	0.256743	2.880758	0.004476	0.188496
	0.149368	2.878425	0.004508	0.18904
	0.336126	2.880831	0.004475	0.188496
	-0.43861	-2.88033	0.004482	0.188603
ENSG00000255545	0.262289	2.879902	0.004488	0.18868
	0.271795	2.879199	0.004497	0.188876
IL32	0.301049	2.881646	0.004464	0.18833
	0.298083	2.877089	0.004526	0.189343
	-0.27057	-2.88019	0.004484	0.188628
	-0.21061	-2.88001	0.004486	0.18868
	0.678255	2.878527	0.004506	0.189026
	0.40632	2.877438	0.004521	0.189289
	0.256828	2.878883	0.004501	0.188905
	0.194937	2.880569	0.004479	0.188547
METTL2A	0.345885	2.880325	0.004482	0.188603
RNASET2;ENSG00000197146;ENSG00000228648;PRR18	0.337396	2.877485	0.00452	0.189289
ELMO1	-0.36654	-2.88047	0.00448	0.188577
HLA-C	-0.22107	-2.87684	0.004529	0.189389
	0.235944	2.8794	0.004494	0.188876
	-0.3868	-2.87981	0.004489	0.188693
	0.23698	2.879131	0.004498	0.188876
	-0.45685	-2.87826	0.00451	0.189096
EPB41L4B;TXNDC8;C9orf152	0.433624	2.878515	0.004506	0.189026
	0.314754	2.877948	0.004514	0.189175
CYP2W1;CHST12;PSMG3;PDGFA;SUN1;MAD1L1;PRKAR1B	-0.40004	-2.87997	0.004487	0.18868
	0.370839	2.8778	0.004516	0.18923
	-0.29492	-2.87939	0.004495	0.188876
	-0.28628	-2.87827	0.00451	0.189096

EGFL7;FAM69B;ENSG00000227512 MCAM;TRAPPC4;HYOU1	-0.35901	-2.87903	0.004499	0.188876
	0.262685	2.879917	0.004487	0.188868
	0.33019	2.879005	0.0045	0.188876
	-0.38255	-2.87903	0.004499	0.188876
	-0.2745	-2.88009	0.004485	0.188668
ZDHC13	0.291259	2.879287	0.004496	0.188876
	0.354007	2.878666	0.004504	0.188977
	-0.47589	-2.87982	0.004489	0.188693
	-0.34143	-2.87958	0.004492	0.18881
	0.351727	2.87877	0.004503	0.188936
ENSG00000224814 TJP3;PTPRS;GIPC3	-0.28084	-2.87711	0.004526	0.189343
	0.28218	2.877486	0.00452	0.189289
	-0.32228	-2.87926	0.004496	0.188876
	0.269777	2.878457	0.004507	0.18904
	0.360589	2.879239	0.004497	0.188876
KL;STARD13	0.256648	2.877756	0.004517	0.189237
	0.31811	2.879075	0.004499	0.188876
	-0.24516	-2.87699	0.004527	0.189343
	-0.22741	-2.8747	0.004559	0.189703
	0.356446	2.876494	0.004534	0.189474
NME4;RGS11;CACNA1H;HBA1;TPSB2;HBA2;ENSG00000261659 TMEM59	-0.41277	-2.87681	0.00453	0.189389
	-0.3018	-2.878	0.004513	0.189175
	-0.2424	-2.87608	0.00454	0.189522
	-0.25195	-2.87798	0.004514	0.189175
	0.411419	2.877705	0.004517	0.189248
ADCK4 DAB2	0.280219	2.877264	0.004524	0.189343
	-0.29663	-2.87625	0.004537	0.189474
	0.342931	2.876456	0.004535	0.189474
	0.262805	2.875646	0.004546	0.189613
	0.306737	2.876602	0.004533	0.189474
ZSCAN5A;NAT14;HSPBP1;ZNF264;ZSCAN5D	-0.19709	-2.8762	0.004538	0.18948
	-0.38262	-2.87433	0.004564	0.189746
	0.152603	2.874476	0.004562	0.189744
	0.273031	2.877562	0.004519	0.189289
	-0.35953	-2.87544	0.004549	0.189613
THRB	0.230935	2.87639	0.004535	0.189474
	0.147416	2.874571	0.00456	0.189708
	0.207195	2.877103	0.004526	0.189343
	0.275202	2.87606	0.00454	0.189522
	0.286815	2.874645	0.004559	0.189703
ATP2C2;WFDC1;CRISPLD2;KIAA0513	0.263198	2.875336	0.00455	0.189613
	0.333954	2.877929	0.004514	0.189175
	-0.31972	-2.87554	0.004547	0.189613
	0.243844	2.874972	0.004555	0.189633
	0.33855	2.877185	0.004525	0.189343
NIPAL4	-0.74812	-2.87652	0.004534	0.189474
TPCN2				
DYNLT1;EZR;RSPH3;ZDHC14				

PCED1B-AS1;PCED1B	0.330934	2.876564	0.004533	0.189474
	0.232322	2.87633	0.004536	0.189474
	0.237699	2.878182	0.004511	0.189124
	-0.58743	-2.87635	0.004536	0.189474
	0.157606	2.873859	0.00457	0.189806
NDUFB9	-0.35999	-2.87705	0.004526	0.189343
GNA12;LFNG;IQCE	-0.34867	-2.87705	0.004526	0.189343
	-0.31633	-2.8732	0.004579	0.189916
	-0.2613	-2.87701	0.004527	0.189343
ARHGEF15;BCL6B;CLDN7;NLGN2;ATP1B2;KCTD11;MYH10;CTC1 ;SLC2A4;WRAP53;MPDU1;ELP5;TNFSF12;CYB5D1;MIR497HG;PI K3R6;VAMP2;ACAP1;ENSG00000270606;TMEM107 VAR52;HCP5	-0.43401	-2.87578	0.004544	0.189609
	-0.32125	-2.87558	0.004547	0.189613
	0.397078	2.875633	0.004546	0.189613
NYAP1;PCOLCE;ENSG00000239521	-0.4029	-2.87706	0.004526	0.189343
SPAG17;WDR3;GDAP2;FAM46C;CD2	-0.37518	-2.87465	0.004559	0.189703
LINC00926;CGNL1	-0.41108	-2.8744	0.004563	0.189746
TRPV2;TBC1D27	-0.36613	-2.87637	0.004536	0.189474
FMNL3;ENSG00000205537;DDX23	0.196629	2.875263	0.004551	0.189616
	0.439938	2.875957	0.004541	0.189544
PRR15L;HOXB4;HOXB-AS2;ENSG00000239291;HOXB3;HOXB- AS3	-0.28973	-2.87533	0.00455	0.189613
	0.340015	2.875117	0.004553	0.189616
	-0.37749	-2.87551	0.004547	0.189613
	-0.44098	-2.87459	0.00456	0.189708
SLC25A44;ISG20L2	0.177675	2.877081	0.004526	0.189343
	0.327052	2.875485	0.004548	0.189613
	0.386952	2.873483	0.004575	0.189869
	-0.23198	-2.87327	0.004578	0.189906
AQP4;ENSG00000265374;SS18	-0.30236	-2.87266	0.004587	0.190068
	-0.35472	-2.87532	0.00455	0.189613
PM20D1;RAB7L1	0.456665	2.874928	0.004556	0.189633
DYNLL1;MLEC	0.518497	2.87466	0.004559	0.189703
MYO9A;THSD4;UACA	-0.34058	-2.87403	0.004568	0.18977
	0.283457	2.875447	0.004548	0.189613
	0.309677	2.875015	0.004554	0.189633
	-0.29987	-2.87421	0.004565	0.189746
	0.329554	2.87624	0.004538	0.189474
SLC26A11	-0.54379	-2.8756	0.004546	0.189613
	-0.3276	-2.87519	0.004552	0.189616
	-0.24236	-2.8763	0.004537	0.189474
	0.249548	2.87602	0.004541	0.189526
XPNPEP3;A4GALT;PMM1;ZC3H7B;L3MBTL2;ENSG0000023199 3;CENPM	-0.32093	-2.87203	0.004596	0.190151
	-0.49736	-2.87686	0.004529	0.189389
ELF5	-0.45434	-2.87494	0.004555	0.189633

TSPAN4;MRPL23	0.135488	2.873029	0.004582	0.189928
	0.254246	2.875447	0.004548	0.189613
	0.322538	2.872469	0.004589	0.190068
	0.352292	2.876433	0.004535	0.189474
ZBP1	0.272743	2.875196	0.004552	0.189616
	0.306505	2.875874	0.004543	0.189573
	0.25645	2.875092	0.004553	0.189616
	-0.38165	-2.87411	0.004567	0.189751
	0.362173	2.874242	0.004565	0.189746
	-0.33627	-2.87484	0.004557	0.189664
	-0.37034	-2.8744	0.004563	0.189746
	0.323106	2.874182	0.004566	0.189746
	0.216256	2.874307	0.004564	0.189746
	-0.25551	-2.87362	0.004573	0.189869
	-0.43186	-2.87401	0.004568	0.18977
	-0.30549	-2.87177	0.004599	0.19021
APBB2;RBM47;LIMCH1;SMIM14;NSUN7	0.201962	2.87176	0.004599	0.19021
ZNF473;ENSG00000269091;ENSG00000204666	-0.46405	-2.87093	0.004611	0.190266
TACR1;SEMA4F;DQX1;DOK1;BOLA3	0.460328	2.873593	0.004574	0.189869
ANTXR1	0.351019	2.872499	0.004589	0.190068
TPST1;INTS4L2	-0.436	-2.87536	0.00455	0.189613
EXOC3L4	-0.26491	-2.86813	0.00465	0.19074
ENSG00000262714	-0.26464	-2.87314	0.00458	0.189916
GRIN1;LCNL1	-0.28033	-2.87326	0.004579	0.189906
ENSG00000228264	-0.2074	-2.87225	0.004592	0.190096
HCP5;HSPA1A	0.260179	2.873821	0.004571	0.189806
	-0.34821	-2.87357	0.004574	0.189869
	0.248197	2.873178	0.00458	0.189916
	-0.36095	-2.87206	0.004595	0.190151
AGPAT6;C8orf4	0.201675	2.874219	0.004565	0.189746
	0.263668	2.871599	0.004602	0.19021
	0.273236	2.874195	0.004566	0.189746
	0.841077	2.87516	0.004552	0.189616
	-0.34091	-2.87396	0.004569	0.189783
	0.208437	2.873475	0.004576	0.189869
	0.224487	2.870639	0.004615	0.190322
	0.285237	2.87342	0.004576	0.189869
SH3TC1;ENSG00000251580	0.382304	2.873445	0.004576	0.189869
	0.291853	2.871592	0.004602	0.19021
DNAJC16;FHAD1;ENSG00000228140;RSG1;CROCC;DDI2;FBLIM1;HSPB7;AGMAT;ENSG00000237301;NECAP2	-0.35904	-2.87246	0.00459	0.190068
UGGT1	-0.35671	-2.87368	0.004573	0.189867
ENSG00000253839	-0.24902	-2.87102	0.00461	0.190266
	0.264228	2.875087	0.004553	0.189616
	0.236605	2.870832	0.004612	0.190286
	-0.4533	-2.87233	0.004591	0.190068
STMN3	-0.40875	-2.87271	0.004586	0.190068

	-0.2769	-2.87244	0.00459	0.190068
POLR1C;MRPL14;TMEM63B;DNPH1;MRPS18A;YIPF3;MAD2L1B				
P;RSPH9;SLC29A1	0.236057	2.872094	0.004595	0.190151
	-0.28587	-2.87086	0.004612	0.190286
	0.275549	2.874139	0.004566	0.189751
	0.234432	2.872981	0.004582	0.189937
	0.356765	2.872391	0.004591	0.190068
	-0.35692	-2.87383	0.004571	0.189806
	0.33858	2.873275	0.004578	0.189906
CCDC88B;RASGRP2;FERMT3;SIPA1;MAP4K2	-0.3056	-2.87045	0.004618	0.190322
	-0.37207	-2.87142	0.004604	0.190214
TXNDC15	-0.20441	-2.87138	0.004605	0.190214
MCC	-0.38682	-2.8719	0.004597	0.190206
	0.259222	2.870591	0.004616	0.190322
	-0.25287	-2.87217	0.004594	0.190123
TAL1;CMPK1;TSPAN1;AKR1A1;PRDX1;STIL;LURAP1;IPP	-0.34896	-2.87311	0.004581	0.189916
	0.242905	2.871156	0.004608	0.190247
	-0.15822	-2.86974	0.004627	0.190515
FENDRR;SLC7A5;FOXF1	-0.2677	-2.87235	0.004591	0.190068
TSNAXIP1;ZDHC1;GFOD2;TPPP3;CES4A;RRAD;LRRC36;RANBP				
10;ENKD1;CMTM4;PLEKHG4;SLC12A4;ATP6V0D1;LCAT	-0.4531	-2.87118	0.004607	0.190247
DNAAF2;CDKL1;ATP5S;NIN;ATL1;ENSG00000259071	-0.37681	-2.86892	0.004639	0.190545
AGAP2;GLI1;ARHGAP9	-0.67362	-2.87176	0.004599	0.19021
	0.238158	2.872392	0.004591	0.190068
ENSG00000188242;SLC9A3;PDCD6;EXOC3;NKD2;TPPP	-0.67713	-2.87347	0.004576	0.189869
	-0.13797	-2.86895	0.004638	0.190545
	-0.55545	-2.87304	0.004582	0.189928
VSTM4;ERCC6;ARHGAP22	-0.3432	-2.87094	0.004611	0.190266
CLMP;SCN3B	0.310291	2.871668	0.004601	0.19021
	0.361308	2.872532	0.004589	0.190068
	0.275056	2.869871	0.004626	0.190515
	0.301536	2.871477	0.004603	0.19021
	0.315058	2.871342	0.004605	0.190214
PLXDC2;MALRD1	0.309941	2.872483	0.004589	0.190068
CCS;PELI3	0.29227	2.871657	0.004601	0.19021
	0.370229	2.871657	0.004601	0.19021
	0.25058	2.872554	0.004588	0.190068
	0.353961	2.867695	0.004656	0.190875
SCARB1;TMEM132B;LINC00939	0.291344	2.871355	0.004605	0.190214
	0.321312	2.869248	0.004634	0.190545
SOBP;PDSS2	-0.36645	-2.87051	0.004617	0.190322
	-0.18044	-2.86974	0.004627	0.190515
	0.235603	2.86868	0.004642	0.190605
	0.288297	2.870587	0.004616	0.190322
	-0.19636	-2.87029	0.00462	0.190371
	0.312391	2.871512	0.004603	0.19021

PERP;HEBP2;NHSL1;ABRACL	-0.48565	-2.86944	0.004632	0.190515
	0.210717	2.870268	0.00462	0.190371
	0.2478	2.871506	0.004603	0.19021
ZKSCAN7;FYCO1	0.368645	2.870506	0.004617	0.190322
	0.263532	2.868925	0.004639	0.190545
	-0.16757	-2.8707	0.004614	0.190322
	-0.25225	-2.87164	0.004601	0.19021
	-0.2368	-2.8711	0.004608	0.190258
EPX	0.250479	2.869571	0.00463	0.190515
	0.201888	2.869034	0.004637	0.190545
	-0.33001	-2.86982	0.004626	0.190515
	0.209266	2.869932	0.004625	0.190515
	0.338328	2.870971	0.00461	0.190266
ROCK2;GREB1	0.253292	2.869622	0.004629	0.190515
ZDHHC4;RNF216;ZNF815P;CYTH3;FSCN1;RAC1	-0.49745	-2.86935	0.004633	0.190515
	0.208643	2.86947	0.004631	0.190515
	0.178327	2.870932	0.004611	0.190266
	-0.41832	-2.87155	0.004602	0.19021
	-0.44243	-2.87043	0.004618	0.190322
	0.411516	2.869794	0.004627	0.190515
	0.27192	2.868925	0.004639	0.190545
HES2;THAP3;KCNAB2	0.229457	2.869567	0.00463	0.190515
	-0.48712	-2.86966	0.004628	0.190515
	0.279837	2.871232	0.004607	0.190247
	0.168419	2.868814	0.00464	0.190546
	0.329548	2.868912	0.004639	0.190545
PTGDS;LCNL1;GPSM1;GRIN1;UBAC1;SEC16A;NRARP;ENTPD8;ENSG00000264527;UAP1L1;NOTCH1;INPP5E;TUBB4B;C9orf163;SNAPC4;CAMSAP1;MAN1B1	-0.18328	-2.87013	0.004622	0.190433
	-0.43428	-2.87122	0.004607	0.190247
	0.34094	2.870497	0.004617	0.190322
	0.253733	2.868401	0.004646	0.190692
ARID3A;HMHA1;GNG7;ZNF57;MOB3A;TCF3;ABHD17A PTPRS;RFX2;CAPS;CATSPERD;TRIP10;HSD11B1L;FUT6;FUT3;MLLT1;PLIN3;ENSG00000267262;ENSG00000266983;ENSG00000267589;ENSG00000267427;CRB3	-0.36578	-2.86923	0.004635	0.190545
	-0.40195	-2.86906	0.004637	0.190545
	-0.34247	-2.87042	0.004618	0.190322
	0.445462	2.870582	0.004616	0.190322
	0.36064	2.868321	0.004647	0.190701
MYC;CCAT1 SFT2D1	-0.50484	-2.86735	0.004661	0.190875
	-0.41264	-2.86919	0.004635	0.190545
	-0.43981	-2.86968	0.004628	0.190515
	0.242291	2.869364	0.004633	0.190515
	0.312483	2.869393	0.004632	0.190515
	0.285433	2.867349	0.004661	0.190875
	0.231986	2.869508	0.004631	0.190515
HSPG2;LDLRAD2;CDC42;HP1BP3	0.348538	2.868832	0.00464	0.190546

ANAPC16;ANXA7;DUSP8P5	0.354463	2.869509	0.004631	0.190515
	-0.18339	-2.86694	0.004667	0.190929
GSS;GGT7;EIF2S2;EDEM2;MYH7B;ITCH;EIF6	-0.23504	-2.86855	0.004644	0.190626
	0.281798	2.86751	0.004659	0.190875
UBASH3A	0.412528	2.868951	0.004638	0.190545
	0.331113	2.867843	0.004654	0.19083
	0.224678	2.868587	0.004643	0.190622
	0.313263	2.867454	0.004659	0.190875
	-0.27433	-2.86864	0.004643	0.190607
	0.179783	2.869162	0.004635	0.190545
	-0.2617	-2.86685	0.004668	0.190942
	0.232093	2.868215	0.004649	0.190726
	0.252681	2.86796	0.004652	0.19078
	-0.43865	-2.86822	0.004649	0.190726
	-0.34122	-2.86516	0.004692	0.19142
	-0.26808	-2.86935	0.004633	0.190515
	-0.18644	-2.86689	0.004667	0.190938
	0.421872	2.862956	0.004723	0.191745
	0.34309	2.868071	0.004651	0.190753
	-0.28833	-2.8694	0.004632	0.190515
	-0.29879	-2.86729	0.004662	0.190875
	0.399349	2.86737	0.004661	0.190875
ENSG00000236986	-0.3455	-2.86882	0.00464	0.190546
	-0.39216	-2.86566	0.004685	0.191305
	-0.30487	-2.86833	0.004647	0.190701
LRRC8B	-0.22726	-2.86615	0.004678	0.191185
CRISPLD2	-0.2863	-2.86619	0.004677	0.191185
ST6GALNAC1;ST6GALNAC2;TNRC6C;TMC8	-0.32167	-2.86722	0.004663	0.190875
FBXO18;SFMBT2	-0.39234	-2.86536	0.004689	0.191399
	-0.35342	-2.8674	0.00466	0.190875
	0.293939	2.868126	0.00465	0.19074
	-0.29636	-2.86735	0.004661	0.190875
	-0.27531	-2.8676	0.004657	0.190875
	-0.44349	-2.86759	0.004657	0.190875
	-0.28529	-2.86702	0.004665	0.190918
	0.225485	2.866551	0.004672	0.191079
RUNDC1;BRCA1	0.213961	2.867274	0.004662	0.190875
KPNA1;WDR5B;GOLGB1;IQCB1	-0.54939	-2.86798	0.004652	0.19078
	0.350798	2.867076	0.004665	0.190905
SLC25A13	0.382725	2.864136	0.004706	0.19161
LRRC23;IFFO1;CD27;CLSTN3;CD163L1;SCNN1A;VWF;ANO2;GP				
R162;C1R;ENSG00000257084	-0.23817	-2.86517	0.004691	0.19142
	-0.32141	-2.86775	0.004655	0.190865
	-0.57428	-2.86753	0.004658	0.190875
HES6	-0.39981	-2.86658	0.004672	0.191078
	0.275947	2.865288	0.00469	0.19142
	0.360267	2.867244	0.004662	0.190875

	-0.23431	-2.86491	0.004695	0.19144
	0.25461	2.866975	0.004666	0.190926
	0.224028	2.866234	0.004677	0.191185
	0.150739	2.865949	0.004681	0.191261
	0.22096	2.867266	0.004662	0.190875
PLEKHF2	0.212397	2.866144	0.004678	0.191185
	0.408672	2.86567	0.004684	0.191305
MRPS15	0.302652	2.864383	0.004703	0.191604
	-0.33215	-2.86557	0.004686	0.191334
NODAL	0.226847	2.866158	0.004678	0.191185
	0.475235	2.867096	0.004664	0.190905
	0.303717	2.865796	0.004683	0.191305
	0.36966	2.863577	0.004714	0.191627
	-0.34828	-2.86309	0.004721	0.191725
CARD8;CD37	-0.32405	-2.86716	0.004664	0.190895
	-0.36865	-2.86476	0.004697	0.191509
	-0.39088	-2.86621	0.004677	0.191185
ZBED4;ENSG00000213279	-0.37861	-2.86365	0.004713	0.191627
SYDE1;TECR;RASAL3;GIPC1	-0.32933	-2.86267	0.004727	0.191783
	-0.1595	-2.86412	0.004706	0.19161
	0.275376	2.865464	0.004687	0.191376
B2M;SQRDL;TRIM69;PDIA3	-0.33385	-2.86385	0.00471	0.191627
	0.194653	2.865113	0.004692	0.19142
	0.246614	2.860823	0.004753	0.192007
	0.382371	2.865163	0.004692	0.19142
SLC22A18	0.170396	2.865876	0.004682	0.191285
ADAMTS2;GFPT2;ZNF354C	-0.24109	-2.86509	0.004693	0.19142
	-0.35571	-2.86443	0.004702	0.191604
RAMP3;AEBP1;NACAD;BLVRA	0.296221	2.86403	0.004708	0.19161
	-0.46146	-2.86648	0.004673	0.191103
	0.297392	2.864226	0.004705	0.19161
	0.377484	2.865187	0.004691	0.19142
	-0.39758	-2.86399	0.004708	0.19161
GIMAP8;REPIN1;GIMAP6;GIMAP1;NOS3;ATG9B;GIMAP5;LRRC61;GIMAP7;RARRES2;CDK5;GIMAP4;ENSG00000240449	-0.30355	-2.86168	0.004741	0.19192
SYNGR2	0.210553	2.864371	0.004703	0.191604
	-0.23005	-2.86414	0.004706	0.19161
	-0.28775	-2.86601	0.00468	0.191246
PAG1	0.308891	2.864948	0.004695	0.191435
TNRC6C;ST6GALNAC1;LINC00338	-0.32248	-2.86305	0.004722	0.19173
HOMER2	0.287484	2.865038	0.004693	0.19142
	0.205314	2.863712	0.004712	0.191627
ZNF876P;RNF212;ZNF732	-0.47709	-2.86171	0.004741	0.19192
SEC14L1;SAP30BP	0.281677	2.864023	0.004708	0.19161
	-0.22626	-2.86398	0.004708	0.19161
	-0.35234	-2.86458	0.0047	0.191594



	-0.32447	-2.86574	0.004683	0.191305
	-0.37992	-2.86496	0.004695	0.191435
	-0.36834	-2.86253	0.004729	0.191827
GSTM4;FAM102B;GPSM2;CELSR2;C1orf194;STRIP1;GSTM5	-0.35806	-2.862	0.004737	0.191898
	-0.45573	-2.86542	0.004688	0.191382
SYT15	0.302605	2.865651	0.004685	0.191305
	-0.32514	-2.86375	0.004712	0.191627
	-0.25336	-2.86446	0.004702	0.191604
MYCBP2	-0.46396	-2.86184	0.004739	0.191914
ENSG00000214248	-0.19036	-2.86128	0.004747	0.191969
CDC42EP3;GALM	-0.39524	-2.8644	0.004702	0.191604
	0.186498	2.863444	0.004716	0.19165
	0.235048	2.864379	0.004703	0.191604
	0.483617	2.863413	0.004716	0.19165
	0.339376	2.86269	0.004727	0.191783
	0.301835	2.8624	0.004731	0.191848
	0.280833	2.865064	0.004693	0.19142
XPNPEP1;BBIP1	-0.2873	-2.86425	0.004705	0.19161
ODF2L;MCOLN3;MIR4423;WDR63;LPAR3;DDAH1;CTBS	-0.27067	-2.86157	0.004743	0.191945
	0.396393	2.864329	0.004703	0.19161
	0.265342	2.865739	0.004683	0.191305
	0.350853	2.863142	0.00472	0.191725
	0.546698	2.864118	0.004706	0.19161
AP1M2;ZNF627;DOCK6;ENSG00000105520	-0.33873	-2.8614	0.004745	0.191969
LYPD6B	-0.52184	-2.86095	0.004751	0.192007
HOXB-AS2	-0.53704	-2.86264	0.004727	0.191784
	0.215542	2.863703	0.004712	0.191627
SH3BP2	0.267728	2.862764	0.004726	0.191783
MEGF6;PRDM16;PLCH2	0.351961	2.863572	0.004714	0.191627
	0.191542	2.862132	0.004735	0.191898
	-0.24197	-2.86242	0.004731	0.191848
	0.243608	2.864035	0.004708	0.19161
	-0.41144	-2.8639	0.004709	0.191627
	-0.27084	-2.86276	0.004726	0.191783
RPL7L1;RRP36	-0.33749	-2.86314	0.00472	0.191725
	-0.27104	-2.86368	0.004713	0.191627
GTF2E2;RBPMS;KIF13B;HMBOX1	-0.41443	-2.86269	0.004727	0.191783
	0.329154	2.861616	0.004742	0.191937
	-0.35552	-2.86215	0.004734	0.191898
	0.220816	2.860632	0.004756	0.192007
	0.27794	2.862092	0.004735	0.191898
	0.242905	2.863571	0.004714	0.191627
	0.208986	2.861152	0.004749	0.192004
	0.391983	2.863694	0.004712	0.191627
	0.225015	2.862997	0.004722	0.19174
KIAA1462;SVIL;ZNF438	0.258791	2.860207	0.004762	0.19205

TMEM254;ZMIZ1;ANXA11;PPIF	-0.47987	-2.86315	0.00472	0.191725
ENSG00000251438;DTHD1;ENSG00000247193	-0.35554	-2.86206	0.004736	0.191898
	-0.4083	-2.86189	0.004738	0.191914
	0.308972	2.860614	0.004756	0.192007
KATNAL2;C18orf25	-0.37745	-2.86341	0.004717	0.19165
	-0.36144	-2.86032	0.004761	0.19205
GIMAP5;GIMAP1	-0.34427	-2.86213	0.004735	0.191898
	0.241077	2.863163	0.00472	0.191725
RALGAPA1	-0.28754	-2.86246	0.00473	0.191848
MEOX1;AOC3;RND2;AOC2	-0.40931	-2.86347	0.004716	0.19165
AEBP1;HECW1;POLD2;TMED4;ENSG00000261019	-0.42863	-2.86021	0.004762	0.19205
	0.317726	2.859847	0.004767	0.192149
	0.275693	2.861838	0.004739	0.191914
NRXN2;FERMT3;CCDC88B;DNAJC4;BATF2;RASGRP2;TRPT1;CDC				
42BPG	0.405697	2.863086	0.004721	0.191725
RYR3	0.287344	2.863624	0.004713	0.191627
	-0.32121	-2.86118	0.004748	0.192004
	0.281861	2.861288	0.004747	0.191969
	0.172741	2.862325	0.004732	0.191861
	-0.33409	-2.86279	0.004725	0.191783
	0.271553	2.860978	0.004751	0.192007
VDAC3;SLC20A2;SMIM19;SFRP1	0.25268	2.86284	0.004725	0.191783
HLA-DOA;HLA-DPB1;ZBTB9;HCG25;HLA-DMB;HLA-				
DMA;UQCC2;TAP2;HLA-DPA1	0.341695	2.861812	0.004739	0.191914
IGF2	-0.32077	-2.8615	0.004744	0.191963
GALNT6;GRASP;TENC1	0.555274	2.862027	0.004736	0.191898
	0.295956	2.861328	0.004746	0.191969
COA1	0.219885	2.862314	0.004732	0.191861
	0.265929	2.860803	0.004754	0.192007
CCBE1	0.412286	2.862104	0.004735	0.191898
LRRCS9;FAM117A;SAMD14;MRPL27;PHB;ABI3;SLC35B1;TMEM				
92	-0.228	-2.86051	0.004758	0.192015
	0.424332	2.859141	0.004777	0.192314
	0.24608	2.860371	0.00476	0.19205
SEC61A1	-0.28577	-2.8593	0.004775	0.192275
	-0.23216	-2.86187	0.004738	0.191914
KLHDC7A;UBXN10;EMC1	-0.28323	-2.86148	0.004744	0.191963
ECE2	0.19043	2.859746	0.004769	0.192149
	0.213058	2.860729	0.004755	0.192007
	-0.41928	-2.86169	0.004741	0.19192
MCAM;CBL;RPL5P30	-0.32331	-2.86128	0.004747	0.191969
DNAJC9-AS1;VCL;TTC18;ENSG00000227540;RNU6-				
833P;CAMK2G;P4HA1	-0.30712	-2.85983	0.004768	0.192149
	0.288363	2.859928	0.004766	0.192131
KLHL5	0.222053	2.859151	0.004777	0.192314
	-0.24518	-2.8605	0.004758	0.192015
	0.201681	2.861418	0.004745	0.191969

	0.246312	2.860801	0.004754	0.192007
	0.247211	2.85974	0.004769	0.192149
	0.272969	2.859599	0.004771	0.192176
	-0.22214	-2.86053	0.004757	0.192015
	0.339587	2.860841	0.004753	0.192007
	-0.19397	-2.86092	0.004752	0.192007
	-0.30964	-2.85954	0.004772	0.192192
	-0.31768	-2.85978	0.004768	0.192149
	-0.2042	-2.8617	0.004741	0.19192
	0.266065	2.857989	0.004794	0.192657
	0.334321	2.860824	0.004753	0.192007
	-0.2562	-2.86063	0.004756	0.192007
	-0.28192	-2.8592	0.004777	0.192314
	-0.27986	-2.86068	0.004755	0.192007
	-0.22629	-2.86072	0.004755	0.192007
BAI1;PTP4A3;PSCA;LY6D;GPIHBP1;ENSG00000271959	-0.30307	-2.86071	0.004755	0.192007
GAS5	0.236266	2.861037	0.00475	0.192007
	0.218211	2.860425	0.004759	0.192043
	0.239079	2.860952	0.004751	0.192007
	0.188724	2.855865	0.004825	0.193265
	-0.38842	-2.85908	0.004778	0.19233
	-0.18671	-2.86016	0.004763	0.19205
	-0.28983	-2.85789	0.004795	0.192668
	-0.16879	-2.85903	0.004779	0.192342
	-0.31031	-2.85846	0.004787	0.192572
	-0.3015	-2.85993	0.004766	0.192131
	-0.19648	-2.85931	0.004775	0.192275
BTG4;BCO2;TTC12;PIH1D2;ANKK1;C11orf88;MIR34C;ENSG0000254980;DLAT;PTS;ENSG00000214264;CRYAB;ENSG00000270179;DRD2;DIXDC1;LAYN	-0.44249	-2.8567	0.004813	0.192987
	-0.44891	-2.85841	0.004788	0.192572
CACNA1H;NME4;RGS11	0.31223	2.857534	0.004801	0.192683
ERG	0.29739	2.858328	0.004789	0.192572
ROR1;CFL1P3;EFCAB7;ENSG00000223949;ENSG00000177452	0.372114	2.856891	0.00481	0.192909
ATG9B;REPIN1	0.381695	2.857869	0.004796	0.192668
	-0.31009	-2.86018	0.004763	0.19205
	-0.21868	-2.8603	0.004761	0.19205
	-0.3827	-2.85825	0.00479	0.192596
CAPN2;TP53BP2	-0.472	-2.85994	0.004766	0.192131
	0.208705	2.86027	0.004761	0.19205
LY6G5C;NELFE;SLC44A4;VWA7;HSPA1A;HCP5;HSPA1L	-0.33952	-2.85585	0.004825	0.193265
	0.267541	2.858675	0.004784	0.192493
GOLGA2P7	0.193541	2.858806	0.004782	0.192436
	-0.25263	-2.85757	0.0048	0.19268
EBF3	-0.70549	-2.85961	0.004771	0.192176
	0.212253	2.854045	0.004851	0.193695

MTMR9LP;TINAGL1;SDC3	-0.50641	-2.85962	0.004771	0.192176
SLBP	0.261067	2.85832	0.004789	0.192572
	0.260614	2.85759	0.0048	0.19268
ERGIC1	0.205899	2.858349	0.004789	0.192572
	-0.38777	-2.8586	0.004785	0.19252
	-0.40033	-2.85797	0.004794	0.192657
	0.284697	2.858185	0.004791	0.192614
	-0.44352	-2.85686	0.00481	0.192909
	-0.28511	-2.85841	0.004788	0.192572
GRIN2A;ENSG00000260432	-0.25048	-2.85773	0.004798	0.192668
	-0.22873	-2.85933	0.004775	0.192275
	0.268575	2.857721	0.004798	0.192668
PLSCR1	-0.34276	-2.85811	0.004792	0.192638
	0.314892	2.857083	0.004807	0.19289
	0.323287	2.857822	0.004796	0.192668
	0.305637	2.856357	0.004818	0.193093
BPNT1	-0.38316	-2.85795	0.004794	0.192657
NUAK2;C1orf186	0.220746	2.857116	0.004807	0.192889
	0.323336	2.857605	0.0048	0.19268
	-0.26224	-2.85796	0.004794	0.192657
EBF3	0.420557	2.856129	0.004821	0.193153
	-0.20749	-2.85641	0.004817	0.193081
KRAS	-0.23838	-2.85695	0.004809	0.192909
TMEM59;LRP8;SSBP3	0.424828	2.857715	0.004798	0.192668
	-0.44137	-2.85893	0.00478	0.192384
	-0.28441	-2.85697	0.004809	0.192909
NES;SYT11;SMG5;MEF2D;ARHGEF2;RAB25;ASH1L;CCT3;CKS1B;MTX1	-0.37865	-2.85557	0.004829	0.193335
	0.359427	2.855034	0.004837	0.193433
	0.412084	2.85766	0.004799	0.19268
	0.250302	2.856631	0.004814	0.192989
ANO2;DYRK4;VWF;CD9;RAD51AP1	-0.38062	-2.85688	0.00481	0.192909
	-0.34846	-2.85664	0.004814	0.192989
	-0.35238	-2.85781	0.004797	0.192668
	-0.23578	-2.85545	0.004831	0.193384
	0.145067	2.854815	0.00484	0.193482
	-0.28985	-2.85615	0.00482	0.193153
SLC2A5	-0.41737	-2.85498	0.004837	0.193433
	0.368055	2.855249	0.004834	0.193433
BCCIP;DHX32;FANK1;FANK1-AS1	-0.41138	-2.85263	0.004872	0.194012
ENSG00000261659	-0.44693	-2.85614	0.004821	0.193153
	0.355114	2.856532	0.004815	0.193028
	0.303248	2.856193	0.00482	0.193153
	-0.28451	-2.8543	0.004847	0.193693
	0.190091	2.854066	0.004851	0.193695
	-0.21471	-2.85188	0.004883	0.19411
SEMA3F;KLHDC8B;MST1R;ENSG00000270441;FAM212A	0.37347	2.854223	0.004849	0.193695

	-0.20446	-2.85509	0.004836	0.193433
	-0.28858	-2.85723	0.004805	0.192841
	0.167038	2.855687	0.004827	0.193301
	-0.19859	-2.85496	0.004838	0.193433
	0.233559	2.853059	0.004865	0.19398
	-0.18652	-2.85504	0.004837	0.193433
CCR5;CXCR6;CCR2	0.409943	2.855613	0.004828	0.193326
	0.277489	2.85321	0.004863	0.193963
FXD3	0.315377	2.856891	0.00481	0.192909
	-0.24102	-2.85512	0.004835	0.193433
	0.306056	2.854887	0.004839	0.193458
FANCD2	-0.23183	-2.85501	0.004837	0.193433
PTPN6;LEPREL2;VWF;ATN1;GNB3;ENSG00000257084;SCARNA10;CD27-				
AS1;IFFO1;SCNN1A;MRPL51;ENSG00000271969;PTMS	-0.41383	-2.85457	0.004843	0.193588
	0.155865	2.853233	0.004863	0.193963
TOMM40	-0.27696	-2.85513	0.004835	0.193433
	0.373598	2.854528	0.004844	0.193594
	0.252122	2.853107	0.004865	0.19398
	0.262399	2.854401	0.004846	0.19365
	0.277698	2.853	0.004866	0.19398
HES2;ESPN;KCNAB2	0.338728	2.855099	0.004836	0.193433
	-0.38489	-2.85575	0.004826	0.193299
AP3B2	0.369146	2.85366	0.004857	0.193792
	0.352114	2.852919	0.004868	0.19398
	0.478444	2.853893	0.004853	0.193727
	-0.25109	-2.85515	0.004835	0.193433
ATO8;ENSG00000232504;VAMP8	-0.3045	-2.85415	0.00485	0.193695
	0.378842	2.855842	0.004825	0.193265
	0.264533	2.854978	0.004838	0.193433
	0.297445	2.853753	0.004855	0.193755
RBM28;CCDC136;LRRC4	0.308457	2.852606	0.004872	0.194012
	0.234859	2.855694	0.004827	0.193301
	0.443174	2.852806	0.004869	0.193999
	0.296376	2.854012	0.004852	0.193695
TEAD2;PLA2G4C;HRC;CARD8;RASIP1;EHD2;RUVBL2;EMP3;FUT2;CA11;DBP;CYTH2;FAM83E;SEPW1;PLEKHA4;PPP1R15A;HSD17B14;PPFIA3	-0.36953	-2.85292	0.004868	0.19398
	-0.37144	-2.85504	0.004837	0.193433
GBP3;CCBL2	0.659413	2.8541	0.00485	0.193695
RN7SKP255	0.318675	2.853855	0.004854	0.193727
	-0.53383	-2.85405	0.004851	0.193695
CCDC24;SLC6A9;CCDC17;TCF1D4;C1orf228;ST3GAL3;BEST4	0.289114	2.853431	0.00486	0.193907
COL15A1;TMOD1;NANS;CCDC180;GALNT12;ANKRD18CP	0.266951	2.852287	0.004877	0.194012
	0.477746	2.85287	0.004868	0.19398
	-0.25853	-2.85411	0.00485	0.193695

ENSG00000174171;STARD9;NUSAP1;TMEM87A	-0.45336	-2.85461	0.004843	0.193585
	0.248452	2.854028	0.004851	0.193695
	-0.26424	-2.851	0.004896	0.194474
	0.176171	2.85187	0.004883	0.19411
	-0.32758	-2.8509	0.004897	0.194477
	0.141489	2.853888	0.004853	0.193727
	-0.20567	-2.85236	0.004876	0.194012
LZTFL1	-0.45782	-2.85266	0.004871	0.194012
	-0.38478	-2.85337	0.004861	0.193924
	-0.2999	-2.85164	0.004886	0.194188
	0.330332	2.853833	0.004854	0.193727
	0.268849	2.852978	0.004867	0.19398
	0.287426	2.852512	0.004873	0.194012
	-0.48878	-2.8523	0.004877	0.194012
	0.250554	2.852109	0.004879	0.194061
	0.220004	2.852622	0.004872	0.194012
	0.336152	2.852354	0.004876	0.194012
SSU72;ENSG00000237491	-0.25918	-2.85253	0.004873	0.194012
	-0.2577	-2.85294	0.004867	0.19398
TRAF1;GGTA1P;PHF19;CNTRL	0.27915	2.852885	0.004868	0.19398
AGTRAP;C1orf158	0.374853	2.852634	0.004872	0.194012
	-0.2029	-2.85312	0.004865	0.19398
IL32;SEC14L5;GLYR1;UBN1	-0.34712	-2.85233	0.004876	0.194012
TXNL4A	0.301007	2.851938	0.004882	0.194108
	-0.20489	-2.85194	0.004882	0.194108
TPPP;TRIP13;ZDHHC11B;NKD2;LPCAT1;PDCD6;ZDHHC11;AHRR	-0.23803	-2.85065	0.004901	0.194532
HSP90AA5P	0.314066	2.851979	0.004881	0.194108
TSSC1	0.293537	2.850051	0.00491	0.194701
	0.272061	2.853338	0.004861	0.193924
	0.295792	2.850057	0.00491	0.194701
	0.180414	2.852378	0.004875	0.194012
	0.392707	2.849173	0.004923	0.194763
ENSG00000224713;ARHGEF25;B4GALNT1;PIP4K2C;GLI1;PTGES	0.404716	2.850899	0.004897	0.194477
3;LRP1;TSPAN31	-0.2251	-2.85258	0.004873	0.194012
FA2H;ENSG00000203472;CHST6;RFWD3;PSMD7	-0.66904	-2.85223	0.004878	0.194016
	0.259531	2.849728	0.004914	0.194763
	-0.31178	-2.85113	0.004894	0.194416
	0.259657	2.84975	0.004914	0.194763
	-0.43725	-2.8504	0.004904	0.194614
KNTC1;DNAH10	-0.37233	-2.85222	0.004878	0.194016
	0.221779	2.850283	0.004906	0.194638
FLT4;ADAMTS2;GFPT2;RNF130	-0.39519	-2.85081	0.004898	0.194486
	0.4275	2.851733	0.004885	0.194154
	-0.30577	-2.85054	0.004902	0.194576
	-0.25625	-2.84926	0.004921	0.194763

ENSG00000264198;IKZF3;PLXDC1;ERBB2	0.395482	2.852493	0.004874	0.194012
	-0.21316	-2.85159	0.004887	0.194203
CXCR6;CCR5	0.302687	2.85093	0.004897	0.194477
ARRDC5	0.318774	2.851325	0.004891	0.19432
TP73-AS1	-0.39364	-2.84911	0.004923	0.194781
	0.292985	2.850387	0.004905	0.194614
ENOX1;LINC00284	-0.30561	-2.85021	0.004907	0.19466
	0.242353	2.849995	0.00491	0.194716
CDH5	0.338957	2.849336	0.00492	0.194763
	0.2947	2.849189	0.004922	0.194763
PIK3CG	-0.65297	-2.85229	0.004877	0.194012
TP73-AS1;MEGF6;DFFB;LINC00982	-0.23553	-2.85144	0.004889	0.19427
	0.331812	2.850392	0.004905	0.194614
	0.210809	2.848328	0.004935	0.19495
MYOM2;ARHGEF10	0.262536	2.848953	0.004926	0.194802
	-0.44885	-2.84937	0.00492	0.194763
TMC8;TMC6;TNRC6C-AS1;ENSG00000178404	-0.34407	-2.85079	0.004899	0.194486
	0.370589	2.849918	0.004912	0.194725
NTF3;SCNN1A;ANO2;IFFO1;C1R;VWF;C1S;CD27- AS1;CLSTN3;ENSG00000257084;CD9	-0.41647	-2.84951	0.004918	0.194763
	0.261136	2.850132	0.004908	0.194691
VPS8	-0.34426	-2.8503	0.004906	0.194638
	0.408462	2.851761	0.004884	0.194154
CYB5R1;ELF3;TMEM183A;PPFIA4;PTPN7;RNPEP;KDM5B;PPP1R 12B;UBE2T;ENSG00000227417;TIMM17A;SYT2;SNRPE	-0.41854	-2.84849	0.004933	0.194909
RAB11FIP1;ERLIN2;GPR124	-0.27416	-2.8493	0.004921	0.194763
	0.292505	2.845876	0.004971	0.195431
TENC1;ACVRL1;GRASP;KRT6A;KRT80	-0.20978	-2.84934	0.00492	0.194763
	0.208288	2.850791	0.004899	0.194486
HMBOX1;FZD3;CCDC25	-0.37078	-2.84697	0.004955	0.19531
PLEKHB1;DNAJB13;PPME1;C2CD3;POLD3;UCP2;ENSG0000025 5847;PGM2L1;ENSG00000254837	-0.34135	-2.84624	0.004966	0.195348
	-0.27667	-2.84974	0.004914	0.194763
ARHGEF10	-0.47268	-2.84889	0.004927	0.194802
	0.189949	2.848557	0.004932	0.194907
	0.320418	2.847029	0.004954	0.19531
	-0.21583	-2.84921	0.004922	0.194763
	-0.25481	-2.84839	0.004934	0.19495
SYF2;TMEM50A	0.30436	2.847062	0.004954	0.19531
	0.159318	2.849216	0.004922	0.194763
MFNG;APOL3;CSF2RB;RAC2;IL2RB;CYTH4;NCF4;C22orf23;ANKR D54;IFT27;APOL2;LGALS2;LGALS1;MYH9;SOX10;SH3BP1;CDC42 EP1;CARD10	0.414319	2.849015	0.004925	0.194802
	-0.20187	-2.84959	0.004916	0.194763
	0.338861	2.850707	0.0049	0.194518
	0.293611	2.849759	0.004914	0.194763

	0.295622	2.849444	0.004919	0.194763
	0.295064	2.849512	0.004918	0.194763
CBX2;C1QTNF1;CCDC40	-0.33079	-2.84889	0.004927	0.194802
IFI27L2	-0.28541	-2.84875	0.004929	0.19484
	-0.18836	-2.84775	0.004944	0.195118
	-0.17272	-2.84937	0.00492	0.194763
	0.177792	2.84942	0.004919	0.194763
	0.19954	2.849542	0.004917	0.194763
	0.297578	2.849005	0.004925	0.194802
LDB2	-0.44512	-2.84996	0.004911	0.194719
	0.26861	2.84793	0.004941	0.195054
	0.341901	2.846185	0.004967	0.195348
	-0.31062	-2.84603	0.004969	0.195395
	-0.48688	-2.8466	0.004961	0.19531
	0.277192	2.849272	0.004921	0.194763
	0.430263	2.848703	0.004929	0.19484
	0.147364	2.848513	0.004932	0.194909
ZNF3;STAG3;MUC12;KPNA7;ZKSCAN1;AP4M1;C7orf43	0.290019	2.84816	0.004938	0.194995
	0.251486	2.848937	0.004926	0.194802
ZNF540;SPINT2;ZNF527;PPP1R14A	-0.29891	-2.84794	0.004941	0.195054
	0.180559	2.849614	0.004916	0.194763
COA7	0.256255	2.848706	0.004929	0.19484
PTGIS;ENSG00000224397;SNAI1	0.277862	2.84827	0.004936	0.194966
FAM211A-AS1	-0.19332	-2.84834	0.004935	0.19495
	0.164852	2.845239	0.004981	0.195601
	0.368683	2.846669	0.00496	0.19531
	0.316039	2.846802	0.004958	0.19531
POMP;FLT1	-0.42319	-2.84632	0.004965	0.195348
RAN	0.308986	2.847703	0.004944	0.195118
CXCR2;PNKD;SLC11A1;ENSG00000223923	-0.42039	-2.84713	0.004953	0.19531
CD96	-0.38284	-2.84704	0.004954	0.19531
	0.366237	2.846359	0.004964	0.195348
NTAN1	-0.23941	-2.84806	0.004939	0.195037
ENSG00000203739	0.196406	2.846555	0.004961	0.19531
	0.43418	2.847709	0.004944	0.195118
	-0.27651	-2.8479	0.004941	0.195054
	-0.40279	-2.84704	0.004954	0.19531
TSPAN4;MUC5B;B4GALNT4;IFITM3;EFCAB4A;LRRC56;DEAF1;MUC5AC;RNH1;IFITM1;SYT8;IFITM10	-0.64873	-2.84381	0.005002	0.1959
	0.407053	2.848808	0.004928	0.194832
	0.32954	2.846706	0.004959	0.19531
	-0.26221	-2.84724	0.004951	0.19531
	0.276002	2.844027	0.004999	0.1959
	-0.38876	-2.84673	0.004959	0.19531
	0.228298	2.84751	0.004947	0.195212
	0.237013	2.847259	0.004951	0.19531
	-0.22994	-2.8468	0.004958	0.19531



NPLOC4	-0.26229	-2.84553	0.004977	0.195497
	0.330963	2.846893	0.004956	0.19531
	-0.32163	-2.84566	0.004975	0.195497
	-0.27077	-2.84705	0.004954	0.19531
ESRP2;HAS3;CIRH1A;CDH1;CDH3	-0.76823	-2.84801	0.00494	0.195044
CSNK1A1;MIR143HG;MIR145;ENSG00000253864;MYOZ3;MIR143;PDGFRB;SYNPO	-0.33924	-2.847	0.004955	0.19531
TMEM204;HN1L;SOX8;UNKL;ENSG00000260807;UBE2I;ENSG0000196674;ENSG00000261659;HAGH;IFT140;ENSG00000260051;NHLRC4;CCDC78;ZNF598	0.546724	2.845126	0.004983	0.195601
	0.308873	2.84818	0.004937	0.194995
	-0.34587	-2.84382	0.005002	0.1959
	0.257871	2.846513	0.004962	0.19531
	0.388882	2.846251	0.004966	0.195348
	0.142984	2.846909	0.004956	0.19531
	0.235184	2.844268	0.004995	0.195846
	-0.36249	-2.84703	0.004954	0.19531
	0.15524	2.845972	0.00497	0.195395
	0.345233	2.846172	0.004967	0.195348
CTTN;TPCN2;MRGPRF;ANO1;ENSG00000256508;ENSG00000261625	-0.49743	-2.8446	0.00499	0.195771
	0.259461	2.84711	0.004953	0.19531
	-0.22145	-2.84553	0.004977	0.195497
	-0.28094	-2.8453	0.00498	0.195591
NBEAL1	-0.30429	-2.84543	0.004978	0.19553
	0.269643	2.843757	0.005003	0.1959
	-0.31052	-2.8447	0.004989	0.195741
	0.276598	2.846619	0.00496	0.19531
	0.25506	2.844074	0.004998	0.195894
	-0.3655	-2.84597	0.00497	0.195395
	0.253598	2.84325	0.005011	0.196
	-0.30235	-2.84622	0.004966	0.195348
	-0.30464	-2.84658	0.004961	0.19531
	-0.42689	-2.84612	0.004968	0.19536
	0.235361	2.844191	0.004997	0.195862
B2M	-0.24485	-2.8426	0.00502	0.196219
CCDC81;ENSG00000255471	-0.40527	-2.84517	0.004982	0.195601
ZFPM2	0.49382	2.84662	0.00496	0.19531
BCAM;NOVA2;PVR;MARK4;ERCC1;ENSG00000267348	-0.91099	-2.84653	0.004962	0.19531
	-0.43315	-2.84688	0.004957	0.19531
	-0.34135	-2.84218	0.005027	0.196279
	0.244759	2.84399	0.005	0.1959
TM4SF18;ENSG00000224831;CP;PFN2;TSC22D2	-0.40144	-2.84395	0.005	0.1959
ZBTB9;UQCC2;PFDN6;HNRNPA1P2	0.261471	2.845568	0.004976	0.195497
	-0.33495	-2.84481	0.004987	0.195713
DRAM2	0.570297	2.844376	0.004994	0.195825
HES2;CAMTA1;CHD5;THAP3;ESPN	-0.35524	-2.84359	0.005006	0.195901

ENSG00000175898	-0.2487	-2.84472	0.004989	0.195741
BNIP1	-0.3374	-2.84561	0.004975	0.195497
	0.382224	2.845708	0.004974	0.195497
	0.292138	2.843079	0.005013	0.196039
	0.344452	2.844944	0.004985	0.195671
WDR45B;BAIAP2;SLC25A10;PCYT2	-0.37148	-2.84425	0.004996	0.195846
	-0.41368	-2.84644	0.004963	0.195332
	-0.16973	-2.84361	0.005005	0.195901
BAIAP2;PCYT2;RNF213	-0.32296	-2.8456	0.004975	0.195497
	0.228848	2.844526	0.004992	0.195791
	0.262283	2.84626	0.004966	0.195348
	0.129821	2.842921	0.005016	0.196104
	0.230256	2.84411	0.004998	0.195891
	0.164488	2.842327	0.005025	0.196255
HOXB3;SLC35B1;MIR10A;HOXB-AS2;HOXB4;NXPH3;HOXB6	-0.33493	-2.84459	0.004991	0.195771
	0.295542	2.844248	0.004996	0.195846
	0.491909	2.845517	0.004977	0.195497
	0.263432	2.843562	0.005006	0.195901
ENSG00000267554;C17orf66	-0.23589	-2.84314	0.005012	0.196026
IL27RA	0.250074	2.845032	0.004984	0.195638
	0.231254	2.84187	0.005031	0.196317
PITPNC1;PRKCA	0.416154	2.843761	0.005003	0.1959
DPP3;YIF1A;ENSG00000255468	0.294963	2.84514	0.004982	0.195601
GIMAP8;ATG9B	0.285437	2.843458	0.005008	0.195914
TRAF3IP1;MLPH;LINC01107;COL6A3;RAB17;LRRFIP1	-0.36006	-2.84441	0.004993	0.195825
HOXB4;MIR10A;ABI3;HOXB6;PRR15L;TBKBP1;HOXB3;GNGT2;S				
KAP1;HOXB-AS2;NPEPPS	-0.39714	-2.84517	0.004982	0.195601
	0.356079	2.842231	0.005026	0.196279
ZNF239;RASGEF1A	-0.38166	-2.84485	0.004987	0.195707
CRTC3	-0.36103	-2.84237	0.005024	0.196255
	0.385086	2.84355	0.005006	0.195901
	-0.43838	-2.84217	0.005027	0.196279
	0.243807	2.840254	0.005056	0.196634
	-0.46894	-2.84354	0.005006	0.195901
FOXF1;FOXL1;CRISPLD2;FENDRR	0.306487	2.843823	0.005002	0.1959
PRDM6	0.247204	2.842677	0.005019	0.196193
	0.225701	2.843062	0.005013	0.196039
SKI;PRKCZ;VWA1	-0.33185	-2.84438	0.004994	0.195825
	0.231847	2.843787	0.005003	0.1959
CARS	0.18983	2.843675	0.005004	0.195901
KIAA0947	-0.44966	-2.84236	0.005024	0.196255
	0.175518	2.841907	0.005031	0.196317
	-0.21228	-2.84329	0.00501	0.195994
PITPNC1;ABCA10;ENSG00000267731;C17orf58;ABCA9;ABCA6	-0.41184	-2.84116	0.005042	0.196509
	-0.2534	-2.83886	0.005077	0.196936

	0.394773	2.843909	0.005001	0.1959
	0.311196	2.84236	0.005024	0.196255
	-0.20398	-2.84053	0.005052	0.196634
CTTN	0.319921	2.842401	0.005023	0.196255
TNXB;C6orf10;DDR1;SLC44A4;NOTCH4;CLIC1;HSPA1A;BAG6;NE				
LFE	-0.36204	-2.84371	0.005004	0.195901
ITGA9	-0.49356	-2.8368	0.005108	0.197436
AGBL4	-0.22198	-2.84097	0.005045	0.196554
	0.211466	2.842719	0.005019	0.196187
	-0.40712	-2.84286	0.005017	0.196125
PTGDS	-0.36961	-2.84348	0.005007	0.195914
ENSG00000196674;SOX8	-0.19699	-2.84051	0.005052	0.196634
	0.294262	2.842352	0.005024	0.196255
	0.258343	2.840009	0.00506	0.19667
	-0.21966	-2.83989	0.005061	0.19667
	0.264244	2.839482	0.005067	0.196805
RPS6KA1;FAM110D	0.238607	2.841765	0.005033	0.196317
	0.364001	2.843186	0.005012	0.19602
	0.291979	2.841452	0.005038	0.196393
ADCY10P1	-0.24713	-2.84252	0.005022	0.196248
	-0.23587	-2.84111	0.005043	0.196521
	0.335836	2.842154	0.005027	0.196279
	0.260972	2.840841	0.005047	0.196561
ABCB10	0.281865	2.839525	0.005067	0.196805
GPR133;POLE	-0.50858	-2.84103	0.005044	0.196534
	0.422	2.841804	0.005032	0.196317
TMCO3	0.233653	2.841585	0.005036	0.196375
	-0.25175	-2.84192	0.005031	0.196317
SOWAHA	0.322134	2.840831	0.005047	0.196561
NAP1L4;TSPAN32;C11orf21;IGF2;MRPL23;CARS	-0.30181	-2.84034	0.005054	0.196634
	-0.2413	-2.84128	0.00504	0.196456
	0.289491	2.842135	0.005027	0.196279
	0.298916	2.84103	0.005044	0.196534
	0.463181	2.841602	0.005035	0.196375
	0.358337	2.838802	0.005078	0.196937
	0.36532	2.841344	0.005039	0.196438
MYO9A;THAP10	-0.37138	-2.84001	0.00506	0.19667
CAP2;STMND1;RPL7P26;RBM24	-0.31143	-2.84033	0.005055	0.196634
	0.242503	2.840823	0.005047	0.196561
	0.475157	2.841793	0.005033	0.196317
	-0.19441	-2.84202	0.005029	0.196294
	-0.20472	-2.83924	0.005071	0.196874
	-0.2516	-2.84156	0.005036	0.196375
	0.274723	2.840673	0.005049	0.196583
EXOC3L4	-0.44601	-2.84031	0.005055	0.196634
	0.47936	2.842081	0.005028	0.19629
	0.334	2.838596	0.005081	0.196982

ENSG00000243696;TKT	-0.27668	-2.83974	0.005064	0.196735
RAB40B	-0.31592	-2.84205	0.005029	0.19629
	0.470001	2.839293	0.00507	0.196874
KDELR2	0.212886	2.841774	0.005033	0.196317
	0.153486	2.84027	0.005056	0.196634
	-0.29908	-2.83961	0.005066	0.196796
	-0.36423	-2.84151	0.005037	0.196375
INPP5D	0.288859	2.841524	0.005037	0.196375
RNASEL;KIAA1614	-0.3573	-2.84083	0.005047	0.196561
	0.312545	2.840098	0.005058	0.19667
	0.231576	2.840801	0.005048	0.196561
	-0.26376	-2.83799	0.00509	0.197161
SLC4A11	-0.28956	-2.83995	0.00506	0.19667
	0.259437	2.839473	0.005068	0.196805
	0.340564	2.840751	0.005048	0.196572
	-0.3459	-2.83913	0.005073	0.196901
	-0.20907	-2.83923	0.005071	0.196874
	-0.17546	-2.83908	0.005074	0.19691
TFAP2C;RAE1;ZBP1	0.593275	2.840426	0.005053	0.196634
	-0.34576	-2.83991	0.005061	0.19667
	0.272109	2.839896	0.005061	0.19667
SPIRE2;PIEZO1;CBFA2T3;GAS8;ENSG00000260259	-0.34423	-2.83761	0.005096	0.197223
	0.271045	2.836301	0.005116	0.197603
STK32A	-0.41671	-2.84025	0.005056	0.196634
POU2AF1;BTG4;ENSG00000255093;ENSG00000255208	-0.2817	-2.83865	0.00508	0.196982
CD8A	0.31778	2.84043	0.005053	0.196634
	0.406101	2.838009	0.00509	0.197161
	0.423418	2.84014	0.005058	0.19667
	0.258166	2.838031	0.00509	0.197161
	0.283455	2.838478	0.005083	0.19702
	0.313483	2.838607	0.005081	0.196982
	0.456274	2.840682	0.005049	0.196583
ADORA2B;TRIM16;PMP22;ZNF287;ENSG00000226145;CDRT1;				
ZSWIM7	-0.43054	-2.83889	0.005076	0.196931
MRGPRF;TPCN2	-0.41392	-2.83929	0.00507	0.196874
	0.298693	2.839476	0.005068	0.196805
MTATP6P1;FAM41C	0.381597	2.83703	0.005105	0.19737
	-0.25812	-2.83777	0.005093	0.197179
	0.259517	2.839171	0.005072	0.196894
	-0.26667	-2.83706	0.005104	0.19737
CLDN3;WBSCR27;WBSCR22;ABHD11;CLDN4	0.277451	2.840291	0.005055	0.196634
	0.332919	2.838952	0.005076	0.196925
	0.26114	2.837955	0.005091	0.197163
	0.378824	2.839053	0.005074	0.19691
	-0.25764	-2.83741	0.005099	0.197254
	0.423038	2.837193	0.005102	0.197327

CDIP1;CLUAP1;ENSG00000262370;CREBBP;ENSG00000263011				
;C16orf71;SRL;SMIM22;GLIS2	-0.433	-2.83356	0.005158	0.198216
ZNF487;ENSG00000236114	0.90517	2.838998	0.005075	0.196924
	0.266306	2.837788	0.005093	0.197179
IRX2;MRPL36;NDUFS6	-0.44372	-2.83879	0.005078	0.196937
KIAA1551	0.315308	2.838429	0.005083	0.19702
	0.328772	2.839981	0.00506	0.19667
	-0.3093	-2.83777	0.005093	0.197179
	0.348064	2.837015	0.005105	0.19737
	0.271584	2.838171	0.005087	0.197107
	-0.32319	-2.83667	0.00511	0.197491
MFAP4;ALDH3A2;SLC47A1;B9D1;DHRS7B;KRT16P3;MAPK7	0.361179	2.837279	0.005101	0.197312
	0.296644	2.838422	0.005084	0.19702
	0.40399	2.838684	0.00508	0.196982
	0.253441	2.840065	0.005059	0.19667
	0.230112	2.835453	0.005129	0.197801
	0.301683	2.835108	0.005134	0.19788
	0.301362	2.835517	0.005128	0.197784
	-0.35569	-2.83835	0.005085	0.19702
	0.175773	2.837735	0.005094	0.197179
SNPH;SIRPA	0.238986	2.837903	0.005091	0.197176
ADAMTS2;RNF130;COL23A1;ZNF354C;MAML1;ENSG00000245317;CANX	-0.33465	-2.83836	0.005085	0.19702
ENSG00000231789;PIK3CD;CASZ1	0.395159	2.838376	0.005084	0.19702
	0.143957	2.837489	0.005098	0.197224
	0.231608	2.836141	0.005118	0.197638
ENSG00000250790;POLE	-0.2681	-2.83394	0.005152	0.19818
SPATA5L1;SLC28A2;GATM	-0.49769	-2.83752	0.005097	0.197223
	0.197503	2.834853	0.005138	0.197905
ENSG00000246422	-0.40223	-2.83755	0.005097	0.197223
ANO2;VWF;DYRK4	-0.30181	-2.83576	0.005124	0.197709
	-0.27241	-2.8368	0.005108	0.197436
	-0.2589	-2.83894	0.005076	0.196925
	0.325198	2.837526	0.005097	0.197223
	-0.30826	-2.83772	0.005094	0.197179
LINGO4	-0.32463	-2.83551	0.005128	0.197784
RBMS3;TGFB2;GADL1;ENSG00000203652	0.510849	2.837208	0.005102	0.197327
	-0.27933	-2.83605	0.00512	0.197638
	0.176852	2.835912	0.005122	0.197672
GPR133;ENSG00000256151	-0.43518	-2.83601	0.00512	0.197638
	0.39391	2.834927	0.005137	0.197897
ENSG00000263120	0.250799	2.834814	0.005139	0.197911
	0.359007	2.837768	0.005094	0.197179
	0.201738	2.836014	0.00512	0.197638
ZNF165;HCG14	-0.29141	-2.83653	0.005112	0.197523
	-0.23849	-2.837	0.005105	0.19737

	0.289663	2.832321	0.005177	0.198556
	0.262468	2.836602	0.005111	0.197497
	-0.27501	-2.83687	0.005107	0.19743
	-0.23724	-2.83357	0.005158	0.198216
	0.585186	2.836628	0.005111	0.197497
	0.320474	2.834314	0.005146	0.198046
E2F2;GALE	-0.39429	-2.83611	0.005119	0.197638
NOTUM;CCDC57;BAIAP2	-0.27336	-2.83333	0.005161	0.198306
XPNPEP3	-0.28676	-2.83642	0.005114	0.19755
	0.375129	2.835773	0.005124	0.197709
TOR3A;RALGPS2;SOAT1	0.22295	2.835165	0.005133	0.19787
LOH12CR1;TAS2R30;LRP6	-0.38597	-2.83283	0.005169	0.198391
	0.253809	2.83614	0.005118	0.197638
	-0.15982	-2.83372	0.005155	0.198206
CRY2	0.259104	2.836428	0.005114	0.19755
	0.362879	2.834746	0.00514	0.197915
	0.293183	2.832726	0.005171	0.198434
SLC44A4;NOTCH4;CLIC1;TNXB;NELFE;HSPA1B;HCP5;HSPA1A;D				
DR1;TAP2;GPSM3	-0.36047	-2.83524	0.005132	0.19787
EIF5A2	-0.40603	-2.83289	0.005168	0.198391
	0.162552	2.833009	0.005166	0.198373
	0.336958	2.832141	0.00518	0.198569
BCO2;BTG4;PIH1D2;MIR34C;TTC12	-0.26458	-2.83368	0.005156	0.198206
	0.19392	2.836021	0.00512	0.197638
	0.195512	2.83377	0.005155	0.198206
	-0.2808	-2.83372	0.005156	0.198206
CNNM4	-0.42184	-2.83516	0.005133	0.19787
	0.285785	2.835331	0.005131	0.19784
	-0.38924	-2.83533	0.005131	0.19784
	0.139178	2.832245	0.005178	0.198569
	-0.19012	-2.83558	0.005127	0.197784
	0.249216	2.833898	0.005153	0.198185
CSF1;WDR47;C1orf194;PSMA5;LAMTOR5;SYPL2;KCNC4;ATXN7				
L2;KCNA2;GSTM5	-0.38557	-2.83319	0.005164	0.198352
CCDC40;TMC8;TIMP2;C1QTNF1;CBX2;USP36	0.386215	2.832175	0.005179	0.198569
	0.306022	2.835999	0.005121	0.197638
	0.243624	2.833545	0.005158	0.198216
	0.231329	2.834861	0.005138	0.197905
	0.324005	2.831858	0.005184	0.198637
	0.337597	2.834179	0.005148	0.198071
	-0.60873	-2.83056	0.005204	0.199068
	0.156264	2.832025	0.005182	0.198599
XPNPEP1	-0.27256	-2.83478	0.005139	0.197911
BAIAP2;SLC25A10;CCDC57	0.298833	2.832869	0.005169	0.198391
	0.416632	2.834584	0.005142	0.197957
	-0.23132	-2.83311	0.005165	0.198352
RUNX3	0.495085	2.835875	0.005122	0.197676

	0.325092	2.834665	0.005141	0.197945
	-0.2693	-2.83553	0.005128	0.197784
	0.318416	2.830986	0.005198	0.198967
	-0.24999	-2.83494	0.005137	0.197897
	0.385663	2.834213	0.005148	0.19807
IFFO1;ANO2;VWF;NTF3;SCNN1A;CLSTN3;LEPREL2;C1R;ENSG0000257084;RBP5;LRRC23;C1S;ATN1;PTMS;CD9;CD27-AS1;GPR162;C1RL;C1RL-AS1;GNB3;CD27	-0.40686	-2.83447	0.005144	0.198002
	-0.24909	-2.83459	0.005142	0.197957
	0.171672	2.834356	0.005146	0.198039
	-0.25078	-2.83496	0.005136	0.197897
	0.383133	2.835155	0.005133	0.19787
TMEM255B;TMCO3	-0.59056	-2.83184	0.005184	0.198637
ACACB;ARPC3;PPTC7;KCTD10	-0.3751	-2.83415	0.005149	0.198071
GIMAP5;WDR86-AS1;ATG9B;NOS3	-0.24549	-2.83422	0.005148	0.19807
APOL3	0.345117	2.835077	0.005135	0.19788
	0.323824	2.83235	0.005177	0.198556
	0.271483	2.829607	0.005219	0.199269
	0.325014	2.834938	0.005137	0.197897
CCDC33;SEMA7A	-0.28621	-2.83212	0.00518	0.198569
TMEM117	-0.18735	-2.83164	0.005188	0.198738
MISP;HMHA1;ARID3A	-0.39779	-2.83343	0.00516	0.198267
	-0.17827	-2.83365	0.005157	0.198206
ITGAE	-0.3998	-2.83445	0.005144	0.198002
COL1A1;NXPH3;ENSG00000248954;MYCBPAP;FAM117A;SGCA;PPP1R9B;LRRC59;EPN3;CACNA1G	-0.40584	-2.83211	0.00518	0.198569
	0.212439	2.832828	0.005169	0.198391
	0.243187	2.833117	0.005165	0.198352
PRKCH;ENSG00000258926	-0.34007	-2.83371	0.005156	0.198206
	-0.25167	-2.8337	0.005156	0.198206
EFEMP2;LTBP3;NAALADL1;ENSG00000255468;CD248;YIF1A;TM7SF2;CST6;PYGM;RNASEH2C;SF3B2;SIPA1	-0.33111	-2.83302	0.005166	0.198373
	0.344992	2.831955	0.005183	0.198623
PRPH	-0.29805	-2.83135	0.005192	0.198874
	-0.22113	-2.83231	0.005177	0.198556
ZNF493	0.289553	2.830618	0.005203	0.199068
ARHGEF38;CXXC4;ARHGEF38-IT1;INTS12;ENSG00000250522;NPNT	-0.47455	-2.83139	0.005192	0.198871
	-0.31676	-2.8331	0.005165	0.198352
	-0.2499	-2.83246	0.005175	0.198543
C1orf222	0.212807	2.830862	0.0052	0.198986
RNF144A	-0.32881	-2.83132	0.005193	0.198874
	0.260286	2.832678	0.005172	0.198444
	0.220794	2.830866	0.0052	0.198986
	0.319839	2.832452	0.005175	0.198543
MDM4	-0.30397	-2.83001	0.005213	0.199176
ENSG00000251034	-0.23444	-2.83193	0.005183	0.198623

KANK3;ADAMTS10	-0.31085	-2.83055	0.005205	0.199068
	-0.1911	-2.83056	0.005204	0.199068
	-0.27367	-2.83108	0.005196	0.198946
	0.326071	2.830057	0.005212	0.199176
	0.38838	2.832829	0.005169	0.198391
	0.25479	2.829491	0.005221	0.199303
	0.275354	2.832416	0.005176	0.198546
RHPN1-AS1;FAM83H- AS1;BAI1;TOP1MT;MAPK15;PYCRL;PSCA;RHPN1;ENSG0000025 4973;LY6H;EEF1D;C8orf31	-0.29381	-2.83028	0.005209	0.199153
	0.287761	2.830486	0.005206	0.199085
	-0.26498	-2.83313	0.005165	0.198352
	0.331114	2.829664	0.005218	0.199263
TMEM66;DUSP4;FZD3;LINC00589;LEPROTL1;FBXO16;TUBBP1; RBPMS	-0.49135	-2.82789	0.005246	0.199668
	-0.23701	-2.83016	0.005211	0.19917
	-0.31869	-2.82766	0.00525	0.199682
	0.370356	2.830235	0.005209	0.199153
LHPP;FANK1	0.369567	2.832159	0.00518	0.198569
NXPH3;COL1A1	0.191304	2.829167	0.005226	0.199335
	0.178237	2.83112	0.005196	0.198946
	0.25314	2.830994	0.005198	0.198967
CD44;SLC1A2;ELF5;ENSG00000255443;ENSG00000184566;HIP K3	-0.39934	-2.82939	0.005223	0.199335
MOK;HSP90AA1;TECPR2;SNORA28;ENSG00000259508;ZNF839	-0.25698	-2.82881	0.005232	0.199443
	0.290541	2.827508	0.005252	0.199718
	0.320306	2.829885	0.005215	0.199197
	0.260335	2.828734	0.005233	0.199448
TESPA1;TENC1;ITGA5;PDE1B;NCKAP1L	0.325318	2.827717	0.005249	0.199681
	0.296925	2.831081	0.005196	0.198946
	-0.25069	-2.8311	0.005196	0.198946
LINC00641	0.361862	2.830545	0.005205	0.199068
CNTN2;DYRK3;NUAK2;C1orf186	-0.40509	-2.82995	0.005214	0.199187
GLYR1;SMIM22	0.29296	2.829284	0.005224	0.199335
	0.244124	2.830812	0.0052	0.198998
	0.349191	2.825048	0.005291	0.200228
	-0.27066	-2.8286	0.005235	0.199478
	-0.13847	-2.82907	0.005227	0.199373
	0.219938	2.82956	0.00522	0.19928
HAAO;PLEKHH2;ENSG00000230587;DYNC2LI1;ENSG00000231 826	-0.29364	-2.82758	0.005251	0.19969
SOX8;HN1L;CACNA1H;MSLN;MSRB1;BAIAP3;ENSG0000026080 7;PDPK1;IFT140;HAGH;RNPS1;UBE2I;UNKL;CASKIN1	-0.70389	-2.82927	0.005224	0.199335
	0.231545	2.82981	0.005216	0.199202
CD6;CD5;SLC15A3	0.274737	2.830934	0.005199	0.198979



ITGAL;CORO1A;SPN;C16orf93;ENSG00000261690;QPRT ZNF532 ENSG00000224387;CEP104	0.269913	2.830222	0.00521	0.199153
	0.363021	2.829193	0.005226	0.199335
	0.264593	2.829028	0.005228	0.199382
	-0.26205	-2.82921	0.005225	0.199335
	-0.36421	-2.82716	0.005257	0.199815
	-0.32042	-2.82849	0.005237	0.199526
	-0.34153	-2.82663	0.005266	0.199873
	0.2523	2.830004	0.005213	0.199176
	0.177011	2.828946	0.005229	0.199396
	0.231638	2.830118	0.005211	0.199176
CTSW	-0.26082	-2.82894	0.005229	0.199396
	-0.38887	-2.83025	0.005209	0.199153
	-0.20075	-2.82617	0.005273	0.199923
	0.412265	2.828306	0.005239	0.199562
	-0.27115	-2.82774	0.005248	0.199681
	-0.308	-2.82935	0.005223	0.199335
	-0.22764	-2.82874	0.005233	0.199448
	0.287395	2.830057	0.005212	0.199176
	0.259987	2.825992	0.005276	0.199947
	-0.32229	-2.82965	0.005219	0.199263
PPP1R18;DDR1;TNXB;SLC44A4;C4A;NELFE;FKBPL;CLIC1;PPP1R1 0;PSORS1C3;HLA-E;HSPA1B	0.285757	2.827124	0.005258	0.199815
	-0.30575	-2.83026	0.005209	0.199153
	-0.21724	-2.82924	0.005225	0.199335
	-0.27474	-2.82715	0.005257	0.199815
	-0.3227	-2.82791	0.005246	0.199668
	-0.26194	-2.82868	0.005234	0.199448
IKZF4	0.227076	2.829879	0.005215	0.199197
	-0.2412	-2.82705	0.005259	0.199815
MRPS31P5 DNAJA4;CTSH;ACSBG1;IDH3A;WDR61;RASGRF1;ADAMTS7;TBC 1D2B C2orf62;IGFBP2;TNS1;ENSG00000232485;CTDSP1;ENSG00000 236295	-0.21356	-2.82836	0.005239	0.199562
	-0.40427	-2.82603	0.005275	0.199947
	0.338835	2.827202	0.005257	0.199815
	0.45042	2.828004	0.005244	0.199668
	0.38081	2.826302	0.005271	0.199909
	-0.58648	-2.82797	0.005245	0.199668
	-0.22191	-2.82762	0.00525	0.199688
	-0.24934	-2.82881	0.005232	0.199443
FGFR4;ARL10;PDLIM7;TSPAN17;LMAN2;DBN1	-0.38137	-2.82808	0.005243	0.199659
	-0.2782	-2.82665	0.005265	0.199873
RPL17P17	0.400408	2.828042	0.005244	0.199666
	0.248341	2.82983	0.005216	0.199202
	0.245928	2.82687	0.005262	0.199849
GPATCH8;KANSL1;EFTUD2;ENSG00000266918;LRRC37A;HIGD1 B;GJC1;MAPT;DND1P1 MAP3K19;MCM6;MGAT5;UBXN4	-0.44686	-2.82788	0.005246	0.199668
	-0.53446	-2.82707	0.005259	0.199815

	0.165311	2.82786	0.005246	0.199668
	0.120468	2.82645	0.005269	0.199899
B3GNT7;PSMD1	-0.39606	-2.82868	0.005234	0.199448
	0.187884	2.827192	0.005257	0.199815
THNSL2	-0.38696	-2.82769	0.005249	0.199681
	-0.28895	-2.82653	0.005267	0.199873
	-0.38074	-2.82831	0.005239	0.199562
PEAR1;MUC1;SLC50A1;ASH1L;NES;SMG5;FLAD1;MTX1;SYT11;R AB25;LAMTOR2;HDGF;MEF2D	-0.35372	-2.82654	0.005267	0.199873
PBLD;TSPAN15;TYSND1;STOX1;COL13A1;ENSG00000260400;TE T1;RUFY2	-0.29218	-2.8268	0.005263	0.199873
ENSG00000238120;FBLN1;WNT7B;RIBC2;CERK	0.283023	2.827767	0.005248	0.199681
EPB41L1;TGIF2;MYL9;SOGA1;ENSG00000232907;DLGAP4	-0.32063	-2.82844	0.005237	0.199537
CDC42BPG;HRASLS2;PYGM;TM7SF2;C11orf95;NAA40;NRXN2;A TL3;GPR137;PRDX5;MAP4K2	-0.53577	-2.82659	0.005266	0.199873
PDE6B;FGFR3;ENSG00000272927;RNF212;ENSG00000273179	-0.44291	-2.82637	0.00527	0.199899
	-0.21853	-2.82266	0.005328	0.200754
EXOC3L2;NOVA2;ERCC1;RELB;CEACAM19;GIPR;ZNF227;PPM1 N	-0.26227	-2.82775	0.005248	0.199681
	0.289153	2.825991	0.005276	0.199947
CYP4Z2P;ENSG00000235105;CYP4A11;PPP1R8P1	-0.24035	-2.82594	0.005277	0.199959
ATP6V0A1	0.345011	2.826542	0.005267	0.199873
SLA2;EPB41L1	0.370183	2.826706	0.005265	0.199873
ZNF876P;ZNF732;ENSG00000251188	0.38365	2.82732	0.005255	0.199794
PLEKHA2	0.228046	2.826924	0.005261	0.199843
SLC25A27;TNFRSF21;GPR116	0.263043	2.826254	0.005272	0.199914
	-0.74033	-2.82926	0.005225	0.199335
	-0.35318	-2.82549	0.005284	0.20012
	-0.21388	-2.82615	0.005273	0.199923
CSPG4;ISLR;COX5A	0.291842	2.825819	0.005278	0.200004
ERN2	0.329925	2.828171	0.005242	0.199625
	0.317147	2.826994	0.00526	0.199829
ENSG00000163075;INHBB;RALB;GLI2	-0.2705	-2.82321	0.00532	0.200652
NKD1;ENSG00000260029;ENSG00000261685	0.317302	2.824581	0.005298	0.200315
	0.330104	2.82599	0.005276	0.199947
CACNA1G;MYCBPAP	-0.43993	-2.82308	0.005322	0.200652
	0.230428	2.824188	0.005304	0.2004
	0.407372	2.824665	0.005297	0.200315
	0.249214	2.825696	0.00528	0.200052
PCAT1	-0.4183	-2.8274	0.005254	0.199766
	-0.29402	-2.82656	0.005267	0.199873
	-0.34163	-2.8271	0.005258	0.199815
SNRNP48	0.387871	2.825039	0.005291	0.200228
	0.238025	2.824989	0.005292	0.200228
MLLT4	-0.33727	-2.82466	0.005297	0.200315
	-0.15982	-2.82459	0.005298	0.200315

ANKH;TRIO;DNAH5	0.288828	2.823454	0.005316	0.200645
	0.186965	2.822761	0.005327	0.200754
	-0.35391	-2.82659	0.005266	0.199873
	0.242447	2.826419	0.005269	0.199899
	-0.4338	-2.82424	0.005303	0.200389
	-0.20257	-2.82581	0.005279	0.200004
	-0.27634	-2.82638	0.00527	0.199899
AKR7A2;KLHDC7A	0.31356	2.822311	0.005334	0.200774
	-0.20795	-2.82242	0.005332	0.200774
	-0.20227	-2.82691	0.005261	0.199843
CAPN2;TP53BP2	-0.44034	-2.8232	0.00532	0.200652
LIX1L;ITGA10	0.248936	2.823665	0.005312	0.200554
MAP4K1	-0.32615	-2.82629	0.005271	0.199909
	0.355414	2.823584	0.005314	0.200585
	0.214147	2.824098	0.005306	0.20042
CARS	0.3362	2.825093	0.00529	0.200228
	0.495978	2.82444	0.0053	0.200315
ACOX2;ARF4;FAM3D;PDHB;PXK;C3orf67;ABHD6	-0.42694	-2.8256	0.005282	0.200071
	-0.24414	-2.82457	0.005298	0.200315
	0.323608	2.82506	0.00529	0.200228
	0.258111	2.825243	0.005288	0.200228
	-0.38206	-2.82511	0.00529	0.200228
	0.323194	2.824709	0.005296	0.200315
	0.272696	2.825618	0.005282	0.200071
SALL2;AJUBA	0.245086	2.826189	0.005273	0.199923
KCNQ1OT1	0.208416	2.824924	0.005293	0.200246
NOVA2;SNRPD2	-0.35628	-2.82527	0.005287	0.200228
ENSG00000261175;FOXF1	-0.37636	-2.82321	0.00532	0.200652
CHI3L1;PTPN7	0.339131	2.821168	0.005352	0.200966
DPF3	0.494234	2.82516	0.005289	0.200228
	-0.16489	-2.82216	0.005336	0.200774
	-0.23907	-2.82391	0.005308	0.200477
ENSG00000271318	-0.28283	-2.82279	0.005326	0.200754
TCTE1	0.288378	2.825037	0.005291	0.200228
	0.304874	2.824472	0.0053	0.200315
	0.341997	2.824161	0.005305	0.2004
ROBO4;FEZ1;ESAM;TMEM218;SPA17;PKNOX2;ROBO3	0.333724	2.82213	0.005337	0.200774
	0.282544	2.824462	0.0053	0.200315
TTC39A;DMRTA2	0.389624	2.824703	0.005296	0.200315
	0.209444	2.819463	0.005379	0.201336
KIF21B	0.352855	2.824431	0.0053	0.200315
	0.161668	2.821359	0.005349	0.200966
	0.219239	2.821	0.005355	0.200981
LRRC56;TSPAN4;IFITM3;CD151;DEAF1;IFITM1;MUC5AC;TALDO				
1;ENSG00000254815;B4GALNT4;RASSF7	-0.57183	-2.82265	0.005329	0.200754
	-0.18202	-2.82292	0.005324	0.200715
NWD1;SSBP4;OCEL1;C19orf44	-0.36439	-2.8231	0.005321	0.200652

ENSG00000235096;NLRP3	0.276029	2.824545	0.005299	0.200315
	-0.20148	-2.82306	0.005322	0.200652
	0.326398	2.823144	0.005321	0.200652
HSPH1	0.335403	2.822691	0.005328	0.200754
	0.241309	2.822666	0.005328	0.200754
TSNAXIP1;SMPD3;TANGO6;SNTB2;RANBP10;ZFP90;HAS3;NQO1;CDH3;SLC12A4	-0.41001	-2.81947	0.005379	0.201336
	0.143645	2.82381	0.00531	0.200504
	0.235607	2.823282	0.005319	0.200652
	-0.43311	-2.82211	0.005337	0.200774
	-0.28465	-2.82373	0.005311	0.200534
	-0.43019	-2.82442	0.0053	0.200315
MTMR9LP;FNDC5;S100PBP;HDAC1;SERINC2;LCK	0.213168	2.822203	0.005336	0.200774
	0.35448	2.82282	0.005326	0.200754
	-0.3017	-2.82202	0.005339	0.200814
RNF144A	-0.34444	-2.82498	0.005292	0.200228
	-0.26098	-2.82342	0.005316	0.200648
GARNL3	0.332635	2.821266	0.005351	0.200966
	0.335077	2.824019	0.005307	0.20045
	0.363274	2.823076	0.005322	0.200652
	0.259968	2.823118	0.005321	0.200652
KCNE1;ENSG00000243627;CLIC6;ENSG00000273104;ENSG00000272958	-0.45529	-2.81985	0.005373	0.201254
	-0.27196	-2.82052	0.005362	0.201118
	-0.43231	-2.82436	0.005301	0.200332
	-0.58567	-2.82387	0.005309	0.200488
	-0.37522	-2.82333	0.005318	0.200652
DNMBP;ENTPD7;ERLIN1;HPSE2;GOT1;BLOC1S2 TSPAN32;TSPAN4;TALDO1 DHX32;BCCIP;FANK1;ADAM12;FANK1-AS1	-0.56219	-2.82396	0.005308	0.20047
	-0.32824	-2.82215	0.005336	0.200774
	-0.22084	-2.82323	0.005319	0.200652
	0.280671	2.821657	0.005344	0.200941
	-0.25153	-2.82224	0.005335	0.200774
TSPAN4;IFITM3;LRRC56;IFITM1;EFCAB4A;B4GALNT4;MRPL23;D EAF1;MUC5AC;ENSG00000254815	-0.38864	-2.81864	0.005392	0.2016
	0.228382	2.821098	0.005353	0.200966
	-0.35476	-2.82256	0.00533	0.200774
WNT9A;GJC2;IBA57	-0.32129	-2.82213	0.005337	0.200774
	-0.31661	-2.82016	0.005368	0.201191
	0.260842	2.820941	0.005356	0.200998
	0.316203	2.821609	0.005345	0.200952
TMEM254;DYDC2;DYDC1;SFTPD	-0.36702	-2.82052	0.005362	0.201118
	-0.32498	-2.82152	0.005346	0.200966
	0.30252	2.820675	0.00536	0.201118
	0.306156	2.821054	0.005354	0.200966
	0.223463	2.821902	0.00534	0.200847
ENSG00000223764;SKI;FAM41C;ANKRD65 CALM2;EPCAM;ENSG00000234690;FBXO11	0.216102	2.820301	0.005366	0.201152
	-0.33349	-2.82108	0.005354	0.200966

NRN1	0.388756	2.821478	0.005347	0.200966
	0.27251	2.822255	0.005335	0.200774
	-0.382	-2.82221	0.005336	0.200774
SCARB1;ZNF664	-0.30877	-2.82057	0.005362	0.201118
	0.382884	2.820781	0.005358	0.201077
CILP	0.259558	2.820592	0.005361	0.201118
	0.20144	2.822556	0.00533	0.200774
	0.286077	2.817414	0.005412	0.201922
	-0.21508	-2.82107	0.005354	0.200966
	-0.34214	-2.82249	0.005331	0.200774
S100A6;S100A11;THEM4;ILF2;SNAPIN;NPR1;S100A14;S100A16 ;S100A13;S100A9;S100A10	-0.33801	-2.82189	0.005341	0.200847
	-0.28778	-2.82034	0.005365	0.201152
	0.243764	2.818819	0.00539	0.201531
	0.311003	2.821303	0.00535	0.200966
	-0.40328	-2.82114	0.005353	0.200966
HLA-DMB RAB3IL1;LRRN4CL;C11orf48;FADS3;FADS2	0.293531	2.817721	0.005407	0.201871
	-0.27497	-2.82144	0.005348	0.200966
	-0.29451	-2.82235	0.005333	0.200774
GNG7;LMNB2 S1PR4;MOB3A;ADAMTSL5;PLEKHJ1	-0.19432	-2.81846	0.005395	0.201674
	-0.52494	-2.82246	0.005332	0.200774
	-0.26543	-2.81509	0.00545	0.202341
PLXDC1;ENSG00000264198;IKZF3;ERBB2;IGFBP4;KRT39;MED2 4 PLEKHH2;COX7A2L	-0.33666	-2.82244	0.005332	0.200774
	-0.33514	-2.8211	0.005353	0.200966
	-0.35149	-2.82184	0.005341	0.200847
	0.334119	2.81993	0.005372	0.201254
	-0.33285	-2.82185	0.005341	0.200847
	0.198296	2.821418	0.005348	0.200966
	0.290215	2.82033	0.005365	0.201152
	0.309177	2.819764	0.005374	0.201262
	0.27513	2.819802	0.005374	0.201257
	-0.33505	-2.81832	0.005398	0.201721
	-0.37584	-2.81652	0.005427	0.202116
	-0.2751	-2.82039	0.005364	0.201149
SERPINB9;SLC22A23;ENSG00000272320;SERPINB6;FAM217A	0.550797	2.819434	0.00538	0.201336
	0.417175	2.817118	0.005417	0.201922
	-0.40303	-2.82043	0.005364	0.201147
	0.32451	2.821068	0.005354	0.200966
	0.340247	2.821231	0.005351	0.200966
PTGDS;EGFL7;ENTPD8;LCNL1	0.296583	2.821186	0.005352	0.200966
	-0.27959	-2.81789	0.005404	0.201836
	0.30577	2.815895	0.005437	0.202262
FCRL2;SH2D2A;FCRL3;FCRL5	-0.33361	-2.81966	0.005376	0.201292
	-0.2817	-2.81914	0.005384	0.201425
	0.305312	2.81918	0.005384	0.201418

PSMG3;GPR146;CHST12;PRKAR1B;GPER1	-0.36369	-2.8191	0.005385	0.20143
	0.24919	2.817971	0.005403	0.201825
	0.453379	2.818814	0.00539	0.201531
PPAPDC1B;TACC1;FGFR1	0.325145	2.819655	0.005376	0.201292
	0.287844	2.821068	0.005354	0.200966
	0.244546	2.820505	0.005363	0.201118
BCL11B	-0.25234	-2.81871	0.005391	0.201575
	0.198959	2.81838	0.005397	0.201704
	0.397442	2.820062	0.00537	0.201225
ZNF831	-0.21088	-2.82058	0.005362	0.201118
	-0.27793	-2.82015	0.005368	0.201191
	0.163788	2.819882	0.005373	0.201254
C1QTNF2	-0.21701	-2.81702	0.005419	0.201945
	0.301238	2.816462	0.005428	0.202127
	-0.38013	-2.81984	0.005373	0.201254
PTH1R;MAP4;IP6K2	0.30042	2.819608	0.005377	0.201302
	0.18361	2.819947	0.005372	0.201254
	-0.22622	-2.81935	0.005381	0.201361
TC2N;NDUFB1;TTC7B;CALM1;ATXN3;ENSG00000260711;CPSF2;FBLN5;CATSPERB;SMEK1	0.274414	2.819056	0.005386	0.201439
	-0.47687	-2.81769	0.005408	0.201871
	-0.60568	-2.8163	0.00543	0.202168
RNF166	0.364562	2.817833	0.005405	0.201855
	0.200871	2.817474	0.005411	0.201922
	0.246189	2.81829	0.005398	0.201722
SLC52A2;ZNF250;EXOSC4;ZNF517	-0.37972	-2.81477	0.005455	0.202341
	0.252941	2.820213	0.005367	0.201187
	0.347537	2.819443	0.00538	0.201336
CCDC40;LRRC45;NOTUM;PCYT2;ENSG00000263069;PYCR1	-0.4464	-2.81698	0.005419	0.201945
	-0.21752	-2.81991	0.005372	0.201254
	-0.32685	-2.81663	0.005425	0.202084
DYNLL1;COX6A1;DYNLL1-AS1;UNC119B	0.257709	2.818458	0.005395	0.201674
	0.375347	2.819333	0.005381	0.201361
	0.261419	2.817247	0.005415	0.201922
PLCE1;HHEX;KIF11;MYOF;CEP55	-0.22994	-2.81698	0.005419	0.201945
	-0.46233	-2.81791	0.005404	0.201836
	0.24572	2.817349	0.005413	0.201922
RNF8	-0.1971	-2.81889	0.005388	0.20152
	-0.32154	-2.81628	0.00543	0.202168
	-0.26684	-2.81405	0.005467	0.202341
WBSCR22;ENSG00000232415;CLIP2;LINC00035;ABHD11;WBSCR27;CLDN3	-0.29977	-2.81691	0.00542	0.201968
	-0.36151	-2.8193	0.005382	0.201366
	0.264486	2.813797	0.005471	0.202341
CSPG4	0.264486	2.813797	0.005471	0.202341
	0.264486	2.813797	0.005471	0.202341
	0.264486	2.813797	0.005471	0.202341
ECSCR;SLC23A1;IK;SPATA24;DNAJC18;CYSTM1;NRG2;TMEM173;PAIP2;MZB1;TMCO6	0.264486	2.813797	0.005471	0.202341
	0.264486	2.813797	0.005471	0.202341
	0.264486	2.813797	0.005471	0.202341
ARHGEF15;ATP1B2;NLGN2;MYH10;SLC2A4;VAMP2;ZBTB4;MPDU1;WRAP53;TNFSF12;NTN1	0.264486	2.813797	0.005471	0.202341
	0.264486	2.813797	0.005471	0.202341
	0.264486	2.813797	0.005471	0.202341

	-0.22916	-2.81503	0.005451	0.202341
	0.270692	2.818118	0.005401	0.20179
	0.294595	2.817743	0.005407	0.201871
GPRC5C;TSEN54	0.254091	2.817984	0.005403	0.201825
PSME2;SLC22A17;NFATC4;PSME1;ADCY4;EFS	0.219555	2.81763	0.005409	0.201871
COTL1;ENSG00000261471;ATP2C2;DNAAF1	0.279357	2.817344	0.005413	0.201922
C1orf222;TTLL10;ANKRD65;TTLL10-				
AS1;NOC2L;CALML6;MXRA8;PLEKHN1	-0.24148	-2.81814	0.005401	0.20179
TMEM241	-0.36484	-2.81687	0.005421	0.201973
	0.205785	2.817988	0.005403	0.201825
	-0.20928	-2.81541	0.005445	0.202341
MPEG1;MS4A1	-0.40262	-2.81532	0.005446	0.202341
SCEL	-0.52548	-2.81575	0.005439	0.202329
	0.336978	2.817194	0.005416	0.201922
GOT2;CIAPIN1;CNOT1;ENSG00000261270;RSPRY1	-0.39465	-2.81525	0.005447	0.202341
	0.219411	2.817635	0.005409	0.201871
	-0.33204	-2.81751	0.005411	0.201922
	0.389227	2.81716	0.005416	0.201922
	-0.43984	-2.81423	0.005464	0.202341
	-0.50189	-2.81739	0.005413	0.201922
	-0.24345	-2.81277	0.005487	0.202579
LAX1	-0.50597	-2.81765	0.005408	0.201871
	0.169507	2.816107	0.005433	0.202188
	-0.36254	-2.81501	0.005451	0.202341
	0.299281	2.817105	0.005417	0.201922
	0.253487	2.815536	0.005442	0.202341
ZNF57;AES;MATK;ANKRD24;GNA11	-0.26468	-2.8173	0.005414	0.201922
	0.246878	2.81619	0.005432	0.202188
	0.213664	2.814429	0.00546	0.202341
	0.231776	2.816679	0.005424	0.202072
DOC2B;ENSG00000262003;ENSG00000262133	-0.36497	-2.81658	0.005426	0.202095
CAPN2	-0.36857	-2.8136	0.005474	0.202341
EPPIN;WFDC6;TOMM34;HSPD1P21;SYS1;ZNF663P;PKIG;WFDC				
3;SDC4;SLC35C2;PIGT;ENSG00000269549;ZNF335;WISP2;DNTT				
IP1	-0.34532	-2.81455	0.005458	0.202341
	0.363308	2.815099	0.00545	0.202341
MAP3K13;LIPH;CHRD;IGF2BP2;C3orf70;POLR2H	0.296481	2.814532	0.005459	0.202341
	-0.38104	-2.81476	0.005455	0.202341
ENSG00000261094	0.366859	2.814804	0.005454	0.202341
	0.295275	2.816076	0.005434	0.202188
MPDU1;ELP5;CLDN7;PHF23;ARHGEF15;TRAPPC1;ENSG000002				
70606;NLGN2;EIF5A;SLC2A4;ATP1B2	-0.30997	-2.81711	0.005417	0.201922
	0.35861	2.817106	0.005417	0.201922
	0.37527	2.815063	0.00545	0.202341
	0.399063	2.817244	0.005415	0.201922
SOX2-OT;SOX2	0.222247	2.813649	0.005473	0.202341
	0.236103	2.816434	0.005428	0.202127

FAM114A1	0.244307	2.816245	0.005431	0.202175
CD300LF;USH1G;FOXJ1;UBALD2;SMIM6;MRPL38;RAB37;GRB2; WBP2;RNF157-AS1	-0.27006	-2.81529	0.005446	0.202341
	0.165931	2.81242	0.005493	0.202591
	-0.15449	-2.81508	0.00545	0.202341
	-0.34646	-2.81528	0.005447	0.202341
	-0.35125	-2.81547	0.005443	0.202341
	-0.19362	-2.81539	0.005445	0.202341
RPS15A;ARL6IP1	0.312809	2.815651	0.005441	0.202341
	0.287309	2.814894	0.005453	0.202341
	0.302233	2.81613	0.005433	0.202188
	-0.30221	-2.81402	0.005467	0.202341
	0.303493	2.81555	0.005442	0.202341
TXNDC12	0.276969	2.814007	0.005467	0.202341
EHD3;DPY30;LCLAT1;SRD5A2	-0.31072	-2.81234	0.005494	0.202595
TCF19	-0.16364	-2.81609	0.005433	0.202188
CSMD2	-0.39539	-2.81432	0.005462	0.202341
	0.366947	2.815471	0.005444	0.202341
	-0.27205	-2.81512	0.005449	0.202341
	-0.35252	-2.81339	0.005477	0.202378
	0.328377	2.81488	0.005453	0.202341
MEGF6	0.29486	2.815216	0.005448	0.202341
	0.211237	2.81446	0.00546	0.202341
	-0.18549	-2.81384	0.00547	0.202341
	-0.28837	-2.81174	0.005504	0.202729
TPPP	0.33826	2.815988	0.005435	0.202223
	-0.26078	-2.81368	0.005473	0.202341
	0.248747	2.8136	0.005474	0.202341
	-0.43717	-2.8157	0.00544	0.202341
SH3BP4	-0.36966	-2.81385	0.00547	0.202341
	0.200198	2.813842	0.00547	0.202341
	0.16723	2.814865	0.005453	0.202341
PSMG3;GPR146;GPER1	0.293082	2.814442	0.00546	0.202341
	-0.32977	-2.81382	0.00547	0.202341
	0.270975	2.815548	0.005442	0.202341
SHROOM3;FAM47E;CDKL2;NAAA	-0.32089	-2.81135	0.005511	0.202785
	0.330898	2.814105	0.005466	0.202341
	-0.63015	-2.81461	0.005457	0.202341
	0.38023	2.814941	0.005452	0.202341
WDR19;C4orf19;FAM114A1;TBC1D1	-0.45225	-2.81384	0.00547	0.202341
	0.254625	2.816412	0.005428	0.202127
	-0.2873	-2.81515	0.005449	0.202341
	0.344326	2.814816	0.005454	0.202341
	-0.3223	-2.81364	0.005473	0.202341
	0.30078	2.815343	0.005446	0.202341
	0.310135	2.814107	0.005466	0.202341
	-0.3549	-2.81131	0.005511	0.202789



	-0.2325	-2.81483	0.005454	0.202341
KPNA7;ZKSCAN1;BAIAP2L1;STAG3;ENSG00000239521;ZNF3	0.306607	2.814315	0.005462	0.202341
CYP4F12;CYP4F3	-0.34727	-2.81409	0.005466	0.202341
	-0.27405	-2.81386	0.00547	0.202341
	0.339808	2.812545	0.005491	0.202589
	-0.24786	-2.8147	0.005456	0.202341
PDCD11	0.22277	2.813789	0.005471	0.202341
	0.244068	2.811289	0.005512	0.202789
PEX6	-0.39248	-2.81275	0.005488	0.202579
	0.220505	2.814358	0.005462	0.202341
	0.333621	2.814327	0.005462	0.202341
CAPS;CATSPERD;RFX2;HSD11B1L;PTPRS;MLLT1;TRIP10;C19orf7	-0.32095	-2.8094	0.005543	0.203301
0	0.305114	2.810808	0.005519	0.202939
SEMA7A;PML	-0.36148	-2.81456	0.005458	0.202341
	0.376514	2.813736	0.005472	0.202341
	-0.24197	-2.81349	0.005476	0.202358
C11orf89	-0.30577	-2.81406	0.005466	0.202341
TSSC1	0.377687	2.810011	0.005533	0.20314
RPL41;CD63;ATP5B;ERBB3;RBMS2	-0.2825	-2.81343	0.005477	0.202375
	0.372492	2.814082	0.005466	0.202341
	0.282662	2.812964	0.005484	0.202532
	0.389007	2.814869	0.005453	0.202341
	0.22145	2.812686	0.005489	0.202579
	0.257871	2.811649	0.005506	0.202729
CMTM4;CES4A;CMTM3;CDH5	0.357573	2.814615	0.005457	0.202341
ENSG00000261104;MBOAT2	-0.31919	-2.81259	0.00549	0.202589
ENSG00000257252	-0.28412	-2.81201	0.0055	0.202706
	0.284673	2.812491	0.005492	0.202589
	-0.20639	-2.81237	0.005494	0.202591
ZNF44;PRDX2;ASNA1	0.130933	2.811887	0.005502	0.202708
GPR68	0.339645	2.812618	0.00549	0.202589
TSPAN32;C11orf21;ENSG00000255367	-0.45989	-2.8139	0.005469	0.202341
IGJ	-0.42128	-2.81217	0.005497	0.20264
LZTFL1;CDCP1	-0.41615	-2.81357	0.005474	0.202341
	0.839272	2.814122	0.005465	0.202341
UBE2H;ENSG00000238072	-0.36258	-2.81252	0.005491	0.202589
	0.263357	2.814477	0.00546	0.202341
	0.334254	2.809277	0.005545	0.203307
	0.221917	2.812713	0.005488	0.202579
TMPRSS4;IL10RA	-0.43855	-2.80955	0.00554	0.203297
RFX2;ENSG00000267589	0.470058	2.812997	0.005484	0.20253
C1orf189	0.279102	2.813008	0.005484	0.20253
	0.364025	2.813598	0.005474	0.202341
ENSG00000248954	-0.37917	-2.81352	0.005475	0.202357
	-0.36325	-2.81116	0.005514	0.202815

	0.207662	2.811952	0.005501	0.202708
	-0.22245	-2.81181	0.005503	0.202729
	-0.42101	-2.81253	0.005491	0.202589
	-0.34383	-2.81154	0.005507	0.202733
	0.278353	2.813283	0.005479	0.20241
	0.294396	2.812444	0.005493	0.202591
	-0.49265	-2.8133	0.005479	0.20241
	-0.20538	-2.8117	0.005505	0.202729
IL32;TPSB2;CCDC64B;ENSG00000205890;TPSD1;TPSAB1;UBE2I				
;FLYWCH1;HN1L;PAQR4	-0.20926	-2.81053	0.005524	0.203057
C14orf79	-0.24555	-2.8043	0.005627	0.20423
UBE2Q2P1;CSPG4P11;GOLGA6L5P	-0.23698	-2.80993	0.005534	0.203169
PRR15;TAX1BP1;CHN2	0.49068	2.813209	0.00548	0.202438
	0.249875	2.810696	0.005521	0.202989
	0.209939	2.81239	0.005494	0.202591
	0.530498	2.812221	0.005496	0.20263
	-0.29343	-2.81119	0.005513	0.202815
HN1L;ENSG00000205890;ENSG00000262370;HCFC1R1;PDPK1	0.206565	2.811735	0.005504	0.202729
	0.396962	2.811492	0.005508	0.202733
	0.168964	2.811928	0.005501	0.202708
	-0.36513	-2.81038	0.005526	0.203076
	0.316833	2.810179	0.00553	0.203091
UBL3;HSPH1	-0.24664	-2.81268	0.005489	0.202579
	-0.20998	-2.81038	0.005527	0.203076
HHIPL1	-0.26298	-2.80847	0.005558	0.203497
CCDC147	0.328728	2.812723	0.005488	0.202579
	0.184668	2.811487	0.005508	0.202733
C6orf10;SLC39A7	-0.24085	-2.80743	0.005575	0.203758
	0.205832	2.810909	0.005518	0.202895
ENSG00000244300;RUVBL1;RPN1;GATA2	-0.2957	-2.81147	0.005509	0.202733
	-0.33632	-2.81226	0.005496	0.202625
	0.218616	2.811529	0.005508	0.202733
PRTG;PYGO1;NEDD4	0.315602	2.808889	0.005551	0.203398
	-0.41624	-2.81021	0.005529	0.203087
	0.249267	2.812858	0.005486	0.202579
	0.138029	2.808792	0.005553	0.203403
SMC4	-0.27412	-2.81166	0.005506	0.202729
	0.154273	2.811658	0.005506	0.202729
	0.289719	2.811127	0.005514	0.202816
POTEI	0.317849	2.810341	0.005527	0.20308
	-0.36148	-2.80917	0.005546	0.203336
SMIM14;TLR1;TLR6;FAM114A1	-0.28401	-2.80816	0.005563	0.203596
	0.293129	2.807834	0.005568	0.203633
	-0.27881	-2.81098	0.005517	0.202867
TINAGL1;SDC3;COL16A1	-0.34974	-2.80898	0.00555	0.203395
CYP2B7P	0.278082	2.810218	0.005529	0.203087

STK32B;EVC2;STX18;TMEM128	0.21065	2.809416	0.005542	0.203301
	0.389641	2.809851	0.005535	0.203201
	-0.40003	-2.81201	0.0055	0.202706
	0.34183	2.810986	0.005517	0.202867
	-0.21843	-2.81189	0.005502	0.202708
TBX18 INPP4A RBM24;KDM1B BAI1;FAM83H-AS1;GPIHBP1;RHPN1- AS1;C8orf31;TOP1MT;EEF1D;ZNF696	0.231202	2.810525	0.005524	0.203057
	0.369982	2.811227	0.005513	0.202808
	-0.36962	-2.81162	0.005506	0.20273
	-0.37514	-2.80831	0.005561	0.203556
	0.34875	2.807835	0.005568	0.203633
TACSTD2	0.297589	2.808541	0.005557	0.203485
	-0.19586	-2.80978	0.005536	0.203218
	-0.16506	-2.80913	0.005547	0.203339
	0.342235	2.809242	0.005545	0.203307
	0.203621	2.809572	0.00554	0.203297
	0.212149	2.810016	0.005532	0.20314
	0.277563	2.808554	0.005556	0.203485
	0.336301	2.80765	0.005571	0.203727
	-0.70358	-2.80946	0.005542	0.203301
	-0.29393	-2.80895	0.00555	0.203395
GIPC3;TJP3 GIPC3;GNA15;GNG7;TJP3;DAPK3;NFIC;TBXA2R;PIP5K1C	-0.38066	-2.81027	0.005528	0.203087
	-0.43101	-2.80748	0.005574	0.203758
	-0.2154	-2.80742	0.005575	0.203758
	-0.30864	-2.80689	0.005584	0.203852
	0.321871	2.80968	0.005538	0.203252
	0.18861	2.808465	0.005558	0.203497
	0.252851	2.810413	0.005526	0.203076
	-0.29404	-2.80905	0.005548	0.20337
	0.204517	2.807346	0.005576	0.203758
	0.243171	2.810388	0.005526	0.203076
BAIAP2;WDR45B	0.354478	2.809765	0.005537	0.203218
	0.390863	2.809332	0.005544	0.203307
	0.182821	2.80941	0.005542	0.203301
	0.232545	2.808691	0.005554	0.20343
	0.291668	2.805036	0.005615	0.204177
	0.226039	2.807589	0.005572	0.203729
	0.346685	2.808183	0.005563	0.203596
	-0.3588	-2.80539	0.005609	0.204085
	0.399426	2.806965	0.005583	0.203845
	-0.58377	-2.79663	0.005756	0.205719
RUVBL1;CHCHD6;ENSG00000244300;GATA2;RPN1;MGLL	0.258554	2.805985	0.005599	0.203985
	0.23348	2.808097	0.005564	0.203597
	-0.30608	-2.81022	0.005529	0.203087
	-0.36369	-2.80876	0.005553	0.203403
	-0.25435	-2.80603	0.005598	0.203985
	0.285306	2.808848	0.005552	0.203403

SLC45A1;CAMTA1;RERE	-0.53894	-2.80794	0.005567	0.203633
LRR37A17P	0.255519	2.80931	0.005544	0.203307
	0.33001	2.806048	0.005598	0.203985
NRCAM;LAMB1	-0.5672	-2.80812	0.005564	0.203597
	0.364582	2.810065	0.005532	0.20314
ITGA7;GLS2;SMARCC2	0.225933	2.808019	0.005565	0.203626
	-0.3235	-2.80924	0.005545	0.203307
SSR4P1;ADARB1;COL6A2	-0.28823	-2.80361	0.005639	0.204383
	0.203768	2.806463	0.005591	0.20394
	-0.25391	-2.80699	0.005582	0.203845
TMPRSS2;SLC37A1;ENSG00000225431;PDE9A;RSPH1;TMPRSS3				
;LINC00111;C21orf128;RIPK4;TFF3;ENSG00000235772;LINC00				
479;ZNF295-AS1;UMODL1	-0.32883	-2.80451	0.005624	0.204219
TSTA3;BAI1;GPIHBP1;LYPD2;PSCA;LY6E	-0.40765	-2.80481	0.005619	0.204178
	0.325874	2.807602	0.005572	0.203729
ERCC1;PNMAL2;DACT3;GIPR;HIF3A;PTGIR;NOVA2;RELB;ENSG0				
0000267348;EXOC3L2;MARK4;GEMIN7;MYPOP;PPM1N;EML2	-0.35407	-2.80569	0.005604	0.204042
TMEM204;HN1L;SOX8;MRPS34	0.399003	2.806916	0.005584	0.203852
	0.261245	2.804634	0.005621	0.204219
SLC11A1;WNT10A;CXCR2;CXCR2P1;ENSG00000223923;PNKD;				
CYP27A1;GMPPA	-0.36967	-2.80446	0.005624	0.204229
	-0.31657	-2.80575	0.005603	0.204042
	0.330843	2.809515	0.005541	0.203299
	-0.25298	-2.80684	0.005585	0.203852
	0.195393	2.805095	0.005614	0.204172
	-0.23736	-2.80491	0.005617	0.204178
	-0.25789	-2.8089	0.005551	0.203398
	0.196118	2.806185	0.005596	0.203985
PKIB	-0.39301	-2.80716	0.00558	0.203798
	0.157692	2.808775	0.005553	0.203403
ATG10-AS1	0.293127	2.806316	0.005593	0.203977
	0.356433	2.807102	0.00558	0.203815
PEAR1;NES;RAB25	-0.28089	-2.80792	0.005567	0.203633
ENSG00000272645	-0.35761	-2.80485	0.005618	0.204178
STAB1;NT5DC2;CACNA2D3;NEK4;GLT8D1;SFMBT1	0.252807	2.804261	0.005628	0.20423
	-0.44661	-2.80825	0.005561	0.203572
	-0.2855	-2.80726	0.005578	0.203758
	0.19357	2.807319	0.005577	0.203758
	0.261965	2.806999	0.005582	0.203845
	0.156475	2.807268	0.005578	0.203758
	0.310144	2.806014	0.005598	0.203985
	0.360305	2.806109	0.005597	0.203985
MYO5A;MYO5C	-0.37113	-2.80587	0.005601	0.204022
	-0.35753	-2.80648	0.005591	0.20394
	0.320961	2.807253	0.005578	0.203758
	0.276593	2.807879	0.005568	0.203633

RASA3	-0.33047	-2.80272	0.005653	0.204596
ZNF876P;WHSC1	0.378637	2.807326	0.005577	0.203758
	-0.26425	-2.80663	0.005588	0.203923
	0.219258	2.807918	0.005567	0.203633
BPGM	-0.3284	-2.80676	0.005586	0.203881
TAS2R20	0.474651	2.808325	0.00556	0.203556
	0.220957	2.80569	0.005604	0.204042
	-0.33076	-2.80392	0.005633	0.204358
	0.393711	2.807461	0.005575	0.203758
	-0.25306	-2.80685	0.005585	0.203852
	-0.29562	-2.80643	0.005592	0.203944
	0.290079	2.805256	0.005611	0.204113
	0.354025	2.805606	0.005605	0.204058
	0.350065	2.80603	0.005598	0.203985
	0.315755	2.804868	0.005618	0.204178
	0.222061	2.803704	0.005637	0.204383
	0.286487	2.805072	0.005614	0.204172
RER1;MEGF6;DFFB;TPRG1L;PLCH2	0.217457	2.806207	0.005595	0.203985
	-0.26794	-2.80666	0.005588	0.203923
IFT20;SUPT6H;MYO18A	-0.21247	-2.80581	0.005602	0.204022
	0.423134	2.804815	0.005618	0.204178
	0.198532	2.805139	0.005613	0.204167
SLC44A4;TNXB;DDR1;NOTCH4;HSPA1L;NELFE;CLIC1;LY6G5C;V WA7;HSPA1B;HSPA1A;C6orf10;BAG6;FKBPL	-0.31628	-2.80638	0.005592	0.203954
	-0.32207	-2.80536	0.005609	0.204085
CCDC64B;PRSS22;ENSG00000205890;CLUAP1;IL32;C16orf59;E NSG00000272079;HS3ST6;ENSG00000263235;ZNF263 ENSG00000223991;ENSG00000233392;ENSG00000226321;PP P1R7;BOK;PASK;SNED1;FARP2;ENSG00000216921	0.434496	2.806169	0.005596	0.203985
	-0.37228	-2.80312	0.005647	0.20451
	-0.48631	-2.80109	0.005681	0.204884
	-0.19973	-2.80311	0.005647	0.20451
	0.293565	2.804526	0.005623	0.204219
	0.263514	2.806501	0.00559	0.20394
SLK;NT5C2	-0.37157	-2.80539	0.005609	0.204085
	-0.34745	-2.8065	0.00559	0.20394
	-0.18716	-2.80121	0.005679	0.204884
MYOM2	0.3045	2.804623	0.005622	0.204219
	-0.28862	-2.80601	0.005599	0.203985
	0.288908	2.806112	0.005597	0.203985
PMP22	-0.39528	-2.80312	0.005647	0.20451
	0.249585	2.804879	0.005617	0.204178
MLLT4;THBS2;SMOC2	0.284645	2.806478	0.005591	0.20394
	-0.62571	-2.80535	0.00561	0.204085
	-0.25726	-2.80427	0.005627	0.20423
MCAM;OAF	-0.53366	-2.80482	0.005618	0.204178
	-0.31734	-2.80534	0.00561	0.204085

HIST1H2AK	-0.22234	-2.80586	0.005601	0.204022
	-0.61321	-2.80547	0.005607	0.204085
CGN;THEM4;GOLPH3L;SELENBP1;BNIPL;HRNR;CTSS;CTSK	-0.2972	-2.80323	0.005645	0.204509
	0.157263	2.801469	0.005674	0.204882
	0.238476	2.803099	0.005647	0.20451
ECT2;NCEH1	0.263287	2.804348	0.005626	0.204229
	-0.63024	-2.8054	0.005609	0.204085
ZRANB2	-0.29772	-2.80452	0.005623	0.204219
CFB	-0.21684	-2.80281	0.005652	0.204596
	0.26826	2.800481	0.005691	0.205031
	0.246532	2.801725	0.00567	0.204882
	0.291776	2.805654	0.005604	0.204046
SLC44A4;NELFE	0.321532	2.804365	0.005626	0.204229
FAM83H-AS1	-0.35837	-2.80385	0.005635	0.204358
	-0.26051	-2.80361	0.005638	0.204383
	0.304139	2.802712	0.005654	0.204596
	-0.31562	-2.80151	0.005674	0.204882
	0.210857	2.804574	0.005622	0.204219
	-0.43702	-2.80219	0.005662	0.204786
JAK3;FCHO1;IL12RB1;FAM129C;MYO9B;MAST3;BST2;LRRC25	-0.29717	-2.80379	0.005636	0.20436
	-0.48444	-2.80533	0.00561	0.204085
	0.250212	2.804359	0.005626	0.204229
	0.278396	2.801559	0.005673	0.204882
TNS1;CXCR2;SPEG;WNT6;STK11IP;PNKD	-0.27629	-2.80067	0.005688	0.20503
	0.296223	2.805834	0.005601	0.204022
	0.242961	2.803625	0.005638	0.204383
WSCD2	-0.38168	-2.80272	0.005653	0.204596
	0.285302	2.801822	0.005668	0.204875
ZNF627;ZNF844	0.157622	2.803819	0.005635	0.204358
MFNG;SUN2;LGALS1;C22orf23	-0.32341	-2.80114	0.00568	0.204884
ZG16B;TBC1D24	-0.20515	-2.80156	0.005673	0.204882
E2F8;ENSG00000255160;CSRP3	0.409609	2.803031	0.005648	0.204523
	0.386883	2.803841	0.005635	0.204358
	0.315755	2.804029	0.005632	0.204335
	0.23479	2.803628	0.005638	0.204383
	0.373606	2.80438	0.005626	0.204229
	0.488623	2.801774	0.005669	0.204882
	-0.33794	-2.80456	0.005623	0.204219
	0.227637	2.803548	0.00564	0.204401
	-0.15866	-2.79919	0.005713	0.205193
	0.199308	2.802831	0.005652	0.204596
	-0.17372	-2.8048	0.005619	0.204178
	-0.30129	-2.80151	0.005674	0.204882
	-0.37097	-2.80329	0.005644	0.204486
	-0.40208	-2.80463	0.005621	0.204219

IFITM1	-0.25588	-2.8033	0.005644	0.204486
	0.551665	2.803892	0.005634	0.204358
	0.179612	2.799132	0.005714	0.205194
KCTD7	-0.45165	-2.8007	0.005687	0.20503
EPAS1;SOCS5;BCYRN1	-0.47269	-2.80216	0.005663	0.204786
	0.211214	2.801929	0.005667	0.204845
	-0.2002	-2.8019	0.005667	0.204848
CEBPB	-0.16774	-2.80275	0.005653	0.204596
	-0.44774	-2.80135	0.005676	0.204884
	0.332049	2.801264	0.005678	0.204884
CLPX;MAP2K1;ENSG00000261544	-0.17939	-2.80273	0.005653	0.204596
	-0.33054	-2.80244	0.005658	0.204707
	-0.21435	-2.80119	0.005679	0.204884
CAMTA1;SLC45A1	-0.40534	-2.80251	0.005657	0.204683
	0.36431	2.801065	0.005681	0.204884
	-0.22017	-2.80224	0.005661	0.204775
NICN1	-0.36004	-2.80418	0.005629	0.204262
TMEM254-AS1;SFTPA2;TMEM254	-0.27603	-2.80342	0.005642	0.204459
	0.334158	2.800548	0.00569	0.20503
	-0.32124	-2.79922	0.005712	0.205193
EPHA4	0.502393	2.803352	0.005643	0.204485
FLI1;ARHGAP32;TMEM45B;ETS1	0.237726	2.801738	0.00567	0.204882
	-0.1896	-2.79776	0.005737	0.205528
	0.303061	2.801091	0.005681	0.204884
NUAK1;ENSG00000257438;TCP11L2;APPL2	0.223677	2.799251	0.005712	0.205193
	-0.3254	-2.80124	0.005678	0.204884
	0.357486	2.800424	0.005692	0.205031
YIF1A	0.29045	2.802111	0.005664	0.204786
	0.23786	2.803869	0.005634	0.204358
	0.125493	2.799766	0.005703	0.205182
ISCA2;MLH3;IFT43;FCF1;GPATCH2L;ENSG00000259319;ZC2HC	0.212206	2.801534	0.005673	0.204882
	-0.36891	-2.80308	0.005647	0.20451
	0.290298	2.80053	0.00569	0.20503
1C	-0.33728	-2.79872	0.005721	0.205248
	-0.27593	-2.80213	0.005663	0.204786
	0.402977	2.799965	0.0057	0.205182
CSGALNACT2;ENSG00000230555;CXCL12	-0.29396	-2.80153	0.005673	0.204882
	0.345572	2.801675	0.005671	0.204882
	0.280642	2.802082	0.005664	0.204787
NSFL1C;TGM3;ENSG00000226644;EBF4;CPXM1;SIRPA	-0.27599	-2.79972	0.005704	0.205182
ENSG00000253864;MIR143HG;MIR143;NDST1;MIR145;SYNPO				
;AFAP1L1;CSNK1A1;ANXA6;GPX3;PDGFRB;DCTN4;GM2A	-0.23444	-2.80129	0.005677	0.204884
	0.384833	2.801953	0.005666	0.204845
	-0.25525	-2.79932	0.005711	0.205193
COL5A2;TFPI;COL3A1;CALCRL;ENSG00000224063	0.278659	2.800197	0.005696	0.2051

NRN1;FARS2;F13A1 DOK2;REEP4;GFRA2	0.420497	2.800241	0.005695	0.2051
	-0.36537	-2.80241	0.005659	0.204711
	-0.26368	-2.80119	0.005679	0.204884
	0.307496	2.800579	0.005689	0.20503
	0.347889	2.802645	0.005655	0.204618
SLC43A2	-0.26064	-2.80231	0.00566	0.204755
	0.197996	2.798888	0.005718	0.205224
	0.154375	2.800427	0.005692	0.205031
CA11	-0.27879	-2.79701	0.00575	0.205613
	-0.27621	-2.80132	0.005677	0.204884
	0.274459	2.801467	0.005674	0.204882
DNMBP;SFXN3	0.306224	2.801028	0.005682	0.20489
	0.305186	2.799871	0.005701	0.205182
	-0.23378	-2.79956	0.005706	0.205193
TBC1D10C;AIP;FAM86C2P	-0.1296	-2.80115	0.00568	0.204884
	0.247632	2.799884	0.005701	0.205182
	-0.32363	-2.79858	0.005723	0.205248
	-0.25086	-2.79966	0.005705	0.205182
	-0.1838	-2.79733	0.005744	0.205613
	-0.38944	-2.80052	0.00569	0.20503
	-0.44328	-2.79857	0.005723	0.205248
	0.375628	2.799984	0.005699	0.205182
ADRBK1	0.185903	2.799827	0.005702	0.205182
	0.326803	2.799827	0.005702	0.205182
	0.176966	2.800654	0.005688	0.20503
	-0.27521	-2.79797	0.005733	0.20547
LCP1	0.400028	2.798827	0.005719	0.205224
	0.223232	2.797116	0.005748	0.205613
	0.245712	2.800512	0.00569	0.20503
	0.186628	2.796059	0.005766	0.205817
NAP1L4;TSPAN32;IGF2	0.364078	2.799542	0.005707	0.205193
	0.317802	2.800619	0.005689	0.20503
COLQ	0.323593	2.799431	0.005709	0.205193
	-0.41966	-2.79972	0.005704	0.205182
	0.327794	2.798868	0.005718	0.205224
SPSB1;RBP7;APITD1;PGD	0.56606	2.799276	0.005711	0.205193
	0.370873	2.799274	0.005711	0.205193
	0.174799	2.800224	0.005695	0.2051
	0.345273	2.8007	0.005687	0.20503
	-0.25147	-2.79976	0.005703	0.205182
SCARB1;ZNF664;BRI3BP	0.319383	2.799569	0.005706	0.205193
	0.454801	2.796312	0.005762	0.205742
ENSG00000229605	-0.3558	-2.80028	0.005694	0.205099
ENSG00000225670	-0.3278	-2.79857	0.005723	0.205248
AGO3;ADPRHL2;C1orf216;COL8A2;TEKT2	0.3449	2.799682	0.005704	0.205182
	0.138599	2.799066	0.005715	0.205209
	-0.29902	-2.80135	0.005676	0.204884



	0.257537	2.799954	0.0057	0.205182
	0.169681	2.799311	0.005711	0.205193
	-0.2246	-2.79932	0.005711	0.205193
	0.292367	2.799163	0.005713	0.205193
ARHGEF10;CLN8;MYOM2	-0.44831	-2.79872	0.005721	0.205248
	-0.17966	-2.7998	0.005702	0.205182
	0.293949	2.798038	0.005732	0.205462
SZRD1	-0.37503	-2.79885	0.005718	0.205224
	-0.30044	-2.79781	0.005736	0.205513
	-0.16726	-2.79771	0.005738	0.205544
	-0.35332	-2.79741	0.005743	0.205613
	-0.26539	-2.79899	0.005716	0.205212
	-0.30418	-2.79721	0.005746	0.205613
	-0.23428	-2.79523	0.00578	0.20595
	-0.26041	-2.79848	0.005725	0.205279
	-0.27488	-2.79886	0.005718	0.205224
	0.263221	2.799162	0.005713	0.205193
	0.245895	2.794268	0.005797	0.206106
	-0.4717	-2.79697	0.00575	0.205613
DHRS4-AS1	-0.32352	-2.7987	0.005721	0.205248
GPR133	0.425281	2.797124	0.005748	0.205613
C1QTNF1;TIMP2;TNRC6C	0.270503	2.797497	0.005741	0.205613
PPP1R7	-0.22272	-2.79864	0.005722	0.205248
	-0.38123	-2.79947	0.005708	0.205193
SYNJ1;SOD1;C21orf59;C21orf119;MIS18A	-0.35572	-2.79567	0.005773	0.205903
	0.276623	2.799374	0.00571	0.205193
	0.411229	2.79856	0.005723	0.205248
	0.21375	2.797049	0.005749	0.205613
	-0.37675	-2.79657	0.005757	0.20572
ENSG00000141854;IL27RA;CACNA1A;DNAJB1	-0.34286	-2.79787	0.005735	0.205496
	0.396411	2.79734	0.005744	0.205613
	-0.27405	-2.79801	0.005733	0.205465
TSTA3;GPIHBP1;ZNF251;ZNF517	-0.30731	-2.7979	0.005735	0.205494
	0.230552	2.797241	0.005746	0.205613
TNFRSF1B;FBXO2	-0.2787	-2.79934	0.00571	0.205193
	0.352042	2.799022	0.005716	0.205209
	-0.45322	-2.79647	0.005759	0.205742
	0.306759	2.797229	0.005746	0.205613
	0.265695	2.796386	0.00576	0.205742
	-0.29794	-2.79698	0.00575	0.205613
	0.240291	2.797099	0.005748	0.205613
STXBP1;GARNL3;LCN2;CERCAM;ENSG00000225032	0.2306	2.797395	0.005743	0.205613
	-0.37524	-2.79845	0.005725	0.20528
	-0.17828	-2.79507	0.005783	0.205979
	0.327437	2.796295	0.005762	0.205742
	-0.18212	-2.79827	0.005728	0.205376
	0.200562	2.797468	0.005742	0.205613

IFT80;IQCJ-SCHIP1-AS1;LXN;RPL6P8	-0.29602	-2.79707	0.005749	0.205613
	0.135276	2.794611	0.005791	0.206106
MRGPRF;UNC93B1;PITPNM1;ALDH3B1;GSTP1;FAM86C2P;ENS				
G00000255306;ALDH3B2;CDK2AP2;TPCN2	0.359604	2.799048	0.005715	0.205209
WBSCR17	-0.41241	-2.79529	0.005779	0.20595
	-0.27545	-2.79618	0.005764	0.205786
HIGD1A	0.314686	2.791852	0.005838	0.206541
	0.216925	2.792379	0.005829	0.206419
CD34	-0.34194	-2.79719	0.005747	0.205613
	0.310455	2.797456	0.005742	0.205613
	0.357721	2.794955	0.005785	0.206003
	0.22375	2.795998	0.005767	0.205817
	0.26475	2.79664	0.005756	0.205719
ESRP2;SNTB2;CDH1;SLC12A4;NFAT5;GFOD2;RANBP10	-0.32211	-2.79348	0.00581	0.206222
FZD1	0.386745	2.796403	0.00576	0.205742
RASSF1;UBA7;TUSC2	0.387986	2.796277	0.005762	0.205742
	0.241221	2.795486	0.005776	0.20594
KAT7;PDK2	-0.20197	-2.79821	0.005729	0.205389
	-0.35369	-2.79719	0.005747	0.205613
EHBP1;FAM161A;WDPCP;TMEM17	-0.37306	-2.79236	0.005829	0.206419
	0.225901	2.797374	0.005744	0.205613
	0.264136	2.796922	0.005751	0.205624
	-0.39604	-2.7966	0.005757	0.205719
	0.294268	2.796614	0.005756	0.205719
	-0.33034	-2.79809	0.005731	0.205445
	-0.31013	-2.79508	0.005783	0.205979
	-0.18997	-2.79575	0.005771	0.205874
	-0.36267	-2.79287	0.005821	0.206341
	0.411791	2.795984	0.005767	0.205817
	0.196522	2.795831	0.00577	0.205874
	-0.24499	-2.79607	0.005766	0.205817
ARHGEF15;ACAP1;CLDN7;KCTD11;MPDU1;BCL6B;ELP5	0.337831	2.797319	0.005745	0.205613
RMDN2-AS1	-0.67894	-2.79576	0.005771	0.205874
	0.304602	2.793859	0.005804	0.206132
	-0.23381	-2.79576	0.005771	0.205874
NKD2;TPPP	-0.34455	-2.79523	0.00578	0.20595
	0.298334	2.795935	0.005768	0.20583
	0.29641	2.793282	0.005813	0.206227
CNDP2	-0.63403	-2.79543	0.005777	0.20594
	0.319248	2.79504	0.005783	0.205979
TSPAN4	-0.31499	-2.79633	0.005761	0.205742
	0.322917	2.794468	0.005793	0.206106
GPC1;ENSG00000218416	-0.4098	-2.79559	0.005774	0.205933
	0.254014	2.794274	0.005796	0.206106
	0.27644	2.795142	0.005782	0.205968
	-0.15033	-2.7939	0.005803	0.206132
	-0.40836	-2.79337	0.005812	0.206222

HMGN4	-0.29142	-2.79282	0.005821	0.206341
	-0.22887	-2.79419	0.005798	0.206106
	0.32863	2.795427	0.005777	0.20594
ISYNA1;B3GNT3	-0.74053	-2.79637	0.005761	0.205742
	0.305543	2.796617	0.005756	0.205719
	0.294661	2.79662	0.005756	0.205719
UQCRQ	0.233459	2.796039	0.005766	0.205817
NDUFB3;SUMO1	-0.38292	-2.79432	0.005796	0.206106
CCM2L;FOX51;ENSG00000268457;RNU1-94P	-0.31022	-2.79538	0.005778	0.20594
	-0.31698	-2.79538	0.005777	0.20594
SSU72;RER1;PANK4	-0.33982	-2.79544	0.005776	0.20594
ARHGAP31;COX17;GTF2E1	-0.37536	-2.79355	0.005809	0.206222
	-0.40867	-2.79431	0.005796	0.206106
SAP130;CYP27C1;HS6ST1	-0.31948	-2.79263	0.005825	0.206341
	0.149847	2.794908	0.005786	0.206008
	0.160874	2.793346	0.005812	0.206222
SLC16A4	0.183472	2.793509	0.00581	0.206222
	0.163118	2.794484	0.005793	0.206106
DUSP10	-0.39069	-2.79421	0.005798	0.206106
	-0.3839	-2.79463	0.00579	0.206106
	0.385191	2.795262	0.00578	0.20595
GPSM1	-0.27572	-2.7937	0.005806	0.206179
	-0.30734	-2.79433	0.005795	0.206106
	-0.32756	-2.79223	0.005832	0.206474
	-0.40904	-2.79273	0.005823	0.206341
SCAI	0.34306	2.795456	0.005776	0.20594
	-0.3714	-2.79454	0.005792	0.206106
SMIM5	0.41257	2.794124	0.005799	0.206106
	-0.23703	-2.78736	0.005916	0.207503
	-0.48977	-2.79536	0.005778	0.20594
SLC44A4;LY6G5C;NOTCH4;TNXB;C6orf10;NELFE;VWA7;HCP5;HSPA1A;ENSG00000272221;CLIC1;DDR1;HSPA1B;TAP2;CCHCR1;ENSG00000225914	-0.25504	-2.79446	0.005793	0.206106
SDK2;COG1;CDC42EP4	-0.30361	-2.79438	0.005795	0.206106
ARHGAP11B	-0.44292	-2.79517	0.005781	0.205968
	0.290608	2.793882	0.005803	0.206132
	0.297156	2.794056	0.0058	0.206106
ESRP2;CDH1;SNTB2;NFAT5;NIP7;SLC12A4	-0.45165	-2.79289	0.00582	0.206341
	0.267218	2.793978	0.005802	0.206122
	0.25236	2.793386	0.005812	0.206222
ENSG00000264198;IKZF3;ERBB2;PLXDC1	0.452651	2.792462	0.005828	0.206419
MFNG	-0.35637	-2.79494	0.005785	0.206003
	0.292979	2.794098	0.005799	0.206106
HSP90AA1;ZFYVE21;MOK;TRMT61A	-0.4333	-2.79632	0.005761	0.205742
	0.213339	2.792415	0.005828	0.206419
EFCAB4B;ENSG00000196138	-0.41841	-2.79262	0.005825	0.206341
	0.274251	2.791979	0.005836	0.206535

NPHP4;CHD5	-0.40183	-2.79309	0.005817	0.20629
	-0.32323	-2.79348	0.00581	0.206222
	-0.30356	-2.79453	0.005792	0.206106
C17orf97;SLC43A2;ENSG00000263050;DOC2B;MYO1C;HIC1;INPP5K;YWHAE;PITPNA;GEMIN4;TLCD2;NXN;RTN4RL1SH2D2A	-0.54643	-2.79265	0.005824	0.206341
	-0.35921	-2.78924	0.005883	0.207185
	-0.24506	-2.79419	0.005798	0.206106
ZBTB20	0.362879	2.79267	0.005824	0.206341
	0.189444	2.790305	0.005865	0.206949
	-0.21735	-2.79374	0.005806	0.206174
FADD	-0.33582	-2.79454	0.005792	0.206106
	0.300651	2.794806	0.005787	0.206053
	0.290351	2.793296	0.005813	0.206227
LSM2;RGL2	0.447273	2.794116	0.005799	0.206106
	-0.42818	-2.79339	0.005812	0.206222
	0.309197	2.792061	0.005834	0.206535
B3GNT2;EHBP1HERC1;RAB11A;PTPLAD1;SNX1;RASL12;ANKDD1A;IGDCC4;CSNK1G1;VWA9;FAM96A;RBPMS2;PLEKHO2;TRIP4	-0.28916	-2.79177	0.00584	0.206569
	-0.34642	-2.7943	0.005796	0.206106
	0.331973	2.793358	0.005812	0.206222
EIF5;C14orf2;AHNAK2;BAG5	0.389555	2.791226	0.005849	0.206728
	0.388276	2.793443	0.005811	0.206222
	-0.29727	-2.79056	0.00586	0.20693
DHX32	-0.44139	-2.79174	0.00584	0.206569
	0.405569	2.794128	0.005799	0.206106
	0.312727	2.790008	0.00587	0.206979
STYXL1;RHBDD2KLHL29	0.334436	2.794042	0.0058	0.206106
	0.245008	2.791261	0.005848	0.206724
	0.242393	2.79205	0.005835	0.206535
HHIPL1	-0.29307	-2.79268	0.005824	0.206341
	0.227097	2.792017	0.005835	0.206535
	-0.37863	-2.7932	0.005815	0.206259
	0.263625	2.793058	0.005817	0.206295
	0.521666	2.790855	0.005855	0.20686
	-0.23225	-2.79064	0.005859	0.206917
	-0.35845	-2.79379	0.005805	0.206158
	0.402548	2.79396	0.005802	0.206122
	-0.37198	-2.79272	0.005823	0.206341
	-0.27264	-2.79152	0.005844	0.206635
	0.347657	2.791936	0.005837	0.206535
	-0.268	-2.79279	0.005822	0.206341
	-0.24998	-2.79311	0.005816	0.20629
	-0.28746	-2.79011	0.005868	0.206979
	-0.42476	-2.78981	0.005873	0.207048
	0.268087	2.791422	0.005845	0.206666
	0.270299	2.791645	0.005842	0.206609

SAA1;HPS5;ZDHHC13	0.28821	2.790319	0.005865	0.206949
	-0.28823	-2.78704	0.005922	0.207533
ENSG00000237940	0.250012	2.79137	0.005846	0.206675
ENSG00000259251;VPS13C;APH1B;HERC1	-0.3736	-2.79062	0.005859	0.206917
CEP63;EPHB1	0.254089	2.792625	0.005825	0.206341
	0.272058	2.792879	0.00582	0.206341
	0.383813	2.79185	0.005838	0.206541
	-0.37974	-2.79036	0.005864	0.206949
	0.257285	2.790822	0.005856	0.20686
	-0.37766	-2.79184	0.005838	0.206541
HSPA8	-0.41538	-2.78916	0.005885	0.207185
NTF3	0.328435	2.790419	0.005863	0.206949
	0.251459	2.790991	0.005853	0.206837
	0.248891	2.789252	0.005883	0.207185
	-0.18637	-2.78698	0.005923	0.207533
NRCAM;LAMB1	0.330486	2.790347	0.005864	0.206949
	0.285329	2.791951	0.005836	0.206535
MMP17;POLE	0.349256	2.790243	0.005866	0.20697
	-0.42559	-2.79048	0.005862	0.206949
EYA4;MOXD1;ENPP1	-0.38656	-2.78902	0.005887	0.207185
	0.32433	2.791995	0.005836	0.206535
IGHV3-7;IGHG2	0.208205	2.790115	0.005868	0.206979
	0.163315	2.791587	0.005843	0.206627
	0.250755	2.791518	0.005844	0.206635
	-0.34323	-2.79235	0.005829	0.206419
	-0.26209	-2.79084	0.005855	0.20686
	0.176016	2.789669	0.005876	0.207052
	0.254322	2.789734	0.005875	0.207052
	0.27584	2.787611	0.005912	0.207461
	0.27277	2.791126	0.005851	0.206772
	0.247101	2.787363	0.005916	0.207503
MEI1;TTLL1;MCAT;EFCAB6-AS1;EFCAB6;CENPM	-0.31896	-2.79141	0.005846	0.206666
PPP1R18;DDR1;SLC44A4;HSPA1A;NELFE;CLIC1;HSPA1L;LY6G5C;				
VWA7;TNXB;HSPA1B;PPP1R10;NOTCH4;NRM;FKBPL;RNF5;BAG				
6	-0.37402	-2.78682	0.005925	0.207581
TARSL2;ENSG00000259363	-0.44476	-2.78665	0.005928	0.207631
	0.352535	2.790015	0.00587	0.206979
ASPA	0.353414	2.787062	0.005921	0.207533
	0.251284	2.789614	0.005877	0.207064
	0.265179	2.790608	0.00586	0.206917
	0.251265	2.787543	0.005913	0.207477
TRAF5;DTL	0.272243	2.790432	0.005863	0.206949
	-0.25747	-2.78904	0.005887	0.207185
	0.174893	2.789495	0.005879	0.20712
ERGIC1	-0.22358	-2.78811	0.005903	0.207364
	-0.31632	-2.79041	0.005863	0.206949
	0.26131	2.787517	0.005913	0.207477

TTYH1	0.142715	2.790859	0.005855	0.20686
	-0.47002	-2.78809	0.005903	0.207364
	0.236762	2.788355	0.005899	0.207354
	0.285553	2.789424	0.00588	0.207129
	-0.30098	-2.79062	0.005859	0.206917
ENSG00000203739;DNM3OS;TNFSF4;DNM3;ENSG0000023161				
5	-0.24894	-2.78945	0.00588	0.207129
RMI1;IDNK;KIF27;C9orf64	-0.41859	-2.78859	0.005895	0.207354
	-0.23266	-2.78913	0.005885	0.207185
	0.228358	2.788997	0.005887	0.207185
	0.118508	2.788168	0.005902	0.207364
	-0.36095	-2.78847	0.005897	0.207354
	-0.17559	-2.78918	0.005884	0.207185
	-0.3102	-2.78434	0.005969	0.208269
	-0.25536	-2.79005	0.005869	0.206979
CCDC88A	-0.34427	-2.78853	0.005896	0.207354
TTLL5	0.237881	2.790012	0.00587	0.206979
ARID3A;MISP;PPAP2C;SHC2	-0.52928	-2.79	0.00587	0.206979
	-0.34333	-2.78851	0.005896	0.207354
P2RX1;ASPA;GGT6;SMTNL2	-0.22223	-2.78991	0.005872	0.207
	-0.21102	-2.78969	0.005875	0.207052
	0.245199	2.789146	0.005885	0.207185
FAM222A	-0.41781	-2.78911	0.005886	0.207185
SHE;SYT11;MUC1;ATP8B2;MTX1;FLAD1;SLC50A1;ASH1L;TDRD1				
0	-0.38324	-2.78828	0.0059	0.207364
	-0.35576	-2.79081	0.005856	0.20686
NAP1L4;CARS;TSPAN32;MRPL23;IGF2;OSBPL5	-0.24996	-2.78701	0.005922	0.207533
	0.233841	2.789661	0.005876	0.207052
FHL2	0.301567	2.787411	0.005915	0.207503
	0.229267	2.789748	0.005874	0.207052
	0.145716	2.787613	0.005912	0.207461
	-0.2116	-2.78576	0.005944	0.207894
	-0.3883	-2.78902	0.005887	0.207185
	-0.29368	-2.79	0.00587	0.206979
FUOM;TTC40	-0.32886	-2.78833	0.005899	0.207354
	-0.34883	-2.78843	0.005897	0.207354
TNFRSF1B	-0.39648	-2.78839	0.005898	0.207354
	0.312711	2.787864	0.005907	0.207409
FAM115C;KEL;FAM115B	-0.42227	-2.78875	0.005892	0.207302
	0.432083	2.787943	0.005906	0.207398
CLDN7;ARHGEF15;CTC1;MPDU1;KCTD11;NLGN2;ACAP1;SLC2A				
4;ATP1B2;ELP5;VAMP2;PIK3R6;CYB5D1;TNFSF12;MYH10	-0.48673	-2.78896	0.005888	0.207193
CARS;TSSC2	-0.23285	-2.78819	0.005902	0.207364
	0.244492	2.783885	0.005977	0.208427
	0.234678	2.787692	0.00591	0.207455

TSGA10;KIAA1211L;CNGA3;VWA3B;ENSG00000273045;TMEM131	0.194541	2.787814	0.005908	0.207411
	0.359917	2.788566	0.005895	0.207354
ZDHHHC23;GRAMD1C;SIDT1;ENSG00000259976;KIAA1407;ZBTB20	0.413287	2.787923	0.005906	0.207398
	0.310521	2.785809	0.005943	0.207894
	0.355869	2.787394	0.005915	0.207503
	0.333997	2.789917	0.005872	0.207
ENSG00000271314	-0.37006	-2.78518	0.005954	0.208039
	0.340585	2.782024	0.00601	0.208858
	0.362535	2.787598	0.005912	0.207461
	0.222067	2.787296	0.005917	0.207527
TMEM40;TPRXL;FBLN2;C3orf83	-0.32813	-2.78836	0.005899	0.207354
	-0.35012	-2.78785	0.005907	0.207409
	0.395244	2.787792	0.005908	0.207411
	0.321128	2.787255	0.005918	0.207533
ASB2;C14orf142;UNC79;PRIMA1;NDUFB1;ATXN3;RIN3;FAM181A-AS1	-0.25842	-2.78686	0.005925	0.207571
	0.322317	2.784181	0.005972	0.208313
	0.334706	2.788151	0.005902	0.207364
	-0.19978	-2.787	0.005922	0.207533
ENSG00000196674	-0.30422	-2.78716	0.00592	0.207533
	0.293841	2.783439	0.005985	0.208566
HCP5;HLA-B;HLA-E;HLA-C	0.309786	2.78924	0.005883	0.207185
	-0.14778	-2.7857	0.005945	0.207894
	-0.37952	-2.78816	0.005902	0.207364
	0.182374	2.78525	0.005953	0.208039
	-0.35331	-2.78814	0.005902	0.207364
	0.202374	2.78707	0.005921	0.207533
	-0.40179	-2.78861	0.005894	0.207354
	0.347859	2.785029	0.005957	0.208054
FAM78A	0.280828	2.787189	0.005919	0.207533
	-0.39247	-2.78801	0.005905	0.207379
	-0.22852	-2.78803	0.005904	0.207379
	-0.31517	-2.78638	0.005933	0.207703
	0.360695	2.786786	0.005926	0.207584
CLMN;ENSG00000260806;PAPOLA;AK7	0.213258	2.786174	0.005937	0.207761
	-0.35362	-2.7861	0.005938	0.207764
	-0.42309	-2.78695	0.005923	0.207533
	-0.45963	-2.78674	0.005927	0.207594
	-0.48905	-2.7857	0.005945	0.207894
DTX2;UPK3B	0.236241	2.786369	0.005933	0.207703
	0.275498	2.782172	0.006007	0.208858
	0.25683	2.786503	0.005931	0.20769
	-0.26468	-2.78645	0.005932	0.20769
	-0.39851	-2.78838	0.005898	0.207354
USP43	-0.28937	-2.7851	0.005956	0.208054

	0.312584	2.784721	0.005962	0.208178
HCP5;GPSM3;HSPA1B;HSPA1A;DDR1;HLA-B	0.490618	2.783616	0.005982	0.208541
PLEKHG2;FBXO17;RYR1;PAF1;SPINT2;ZNF573	-0.36368	-2.78616	0.005937	0.207761
	0.243059	2.783942	0.005976	0.208409
DGKE	-0.38424	-2.78695	0.005923	0.207533
	-0.53755	-2.78188	0.006012	0.208858
CDC25B;MRPS26;ATRN	-0.32933	-2.78573	0.005944	0.207894
	0.266593	2.785504	0.005948	0.207944
HMHA1	-0.33013	-2.78471	0.005962	0.208178
	0.45168	2.785554	0.005948	0.20793
	0.236407	2.783148	0.00599	0.208642
SNX19	0.397464	2.785555	0.005948	0.20793
	0.24027	2.786136	0.005937	0.207761
	0.232194	2.786217	0.005936	0.207761
	-0.1813	-2.78496	0.005958	0.208054
	0.295655	2.783409	0.005985	0.208566
ITGA5	0.200169	2.786265	0.005935	0.207749
CRTC3;ABHD2;KIF7;FES;CIB1;FANCI	-0.31661	-2.78322	0.005989	0.208617
C1QTNF7;ENSG00000251379	0.327586	2.784387	0.005968	0.208255
	-0.18117	-2.78515	0.005955	0.208039
	-0.32443	-2.7871	0.005921	0.207533
	0.290742	2.784467	0.005967	0.20824
	-0.31285	-2.78497	0.005958	0.208054
EBF1	-0.28463	-2.78345	0.005985	0.208566
	-0.38971	-2.78646	0.005932	0.20769
FOSB	-0.38058	-2.78645	0.005932	0.20769
XBP1;EMID1;ZNR3;TTC28;ENSG00000226471;LIF	-0.19918	-2.78085	0.006031	0.209156
THEM4;POGZ;S100A10;PSMD4	0.262289	2.785203	0.005954	0.208039
	0.201059	2.784963	0.005958	0.208054
	0.261456	2.783439	0.005985	0.208566
	-0.20332	-2.78426	0.00597	0.208283
HOXB-AS3	-0.29261	-2.7829	0.005994	0.208732
MRAS	0.330306	2.785566	0.005947	0.20793
	0.327643	2.785871	0.005942	0.207889
	-0.31174	-2.78271	0.005998	0.208745
	-0.24508	-2.78467	0.005963	0.208185
	-0.3959	-2.78242	0.006003	0.208834
	0.42137	2.782128	0.006008	0.208858
	0.424863	2.785208	0.005954	0.208039
	0.263946	2.782774	0.005997	0.208742
	-0.32686	-2.78341	0.005985	0.208566
COL10A1	0.358284	2.78184	0.006013	0.208868
KMT2A;MPZL3;PHLDB1	0.201589	2.783318	0.005987	0.208586
SSU72;SKI;LINC00982;MXRA8;NADK;ANKRD65;RER1	-0.34935	-2.78311	0.005991	0.208648
NSMCE1;TUFM	-0.29161	-2.78458	0.005965	0.208203
WDR45B	-0.34693	-2.78015	0.006043	0.209263
	0.254415	2.781623	0.006017	0.208934



BCL2;PHLPP1;SERPINB11	0.307423	2.780809	0.006031	0.209164
	0.449418	2.784634	0.005964	0.208188
	-0.27116	-2.77942	0.006056	0.209334
TBC1D4	0.352691	2.785178	0.005954	0.208039
	-0.23105	-2.78572	0.005945	0.207894
	0.363625	2.783787	0.005979	0.208455
PITPNM2	0.246266	2.782114	0.006008	0.208858
	0.223628	2.781978	0.006011	0.208858
	-0.36739	-2.78501	0.005957	0.208054
DDR2;OLFML2B;RGS5;RGS4;C1orf110;C1orf226;FCGR3B;NOS1 AP	0.275477	2.78447	0.005967	0.20824
	0.213806	2.784422	0.005967	0.208251
	0.237266	2.785157	0.005955	0.208039
C1QBP;GP1BA SPATA18;RASL11B	-0.3192	-2.78427	0.00597	0.208283
	0.272603	2.782704	0.005998	0.208745
	-0.50882	-2.78017	0.006043	0.209263
KAZN	0.333786	2.783295	0.005987	0.208586
	-0.28407	-2.78407	0.005974	0.208348
	0.398719	2.782778	0.005996	0.208742
SDC4;SLC2A10;TP53RK	0.231156	2.782658	0.005999	0.208756
	0.145439	2.781345	0.006022	0.209021
	0.2383	2.783431	0.005985	0.208566
TET1;COL13A1	0.321919	2.783382	0.005986	0.208566
	-0.33387	-2.78031	0.00604	0.209249
IFFO1;CLSTN3;VWF;RBP5;C1R;SCNN1A;LEPREL2;C1RL;CD27;C1 S;CD9;CD163L1;C1RL-AS1;LRRC23;ENSG00000257084;ATN1 DDHD1	-0.3337	-2.78113	0.006026	0.209103
	-0.47895	-2.78254	0.006001	0.2088
	0.133752	2.780446	0.006038	0.209201
HHAT;TRAF3IP3 SKI;CEP104;MEGF6;TP73- AS1;DFFB;ENSG00000269896;RER1;MORN1;LINC01134 IFT140;CLDN9	0.384176	2.784078	0.005974	0.208348
	-0.35215	-2.78289	0.005994	0.208732
	0.392258	2.777648	0.006088	0.209774
NBEA;DCLK1 PMP22	-0.2599	-2.78055	0.006036	0.20919
	0.307057	2.781977	0.006011	0.208858
	-0.39014	-2.78239	0.006003	0.208836
SCML4;PRDM1	-0.4473	-2.78282	0.005996	0.208742
	0.267358	2.783785	0.005979	0.208455
	0.242169	2.781676	0.006016	0.208923
KIAA1841	0.223102	2.782222	0.006006	0.208858
	0.245212	2.774944	0.006136	0.210573
	0.374313	2.780627	0.006035	0.20919
	0.144559	2.781128	0.006026	0.209103
	0.342106	2.780575	0.006035	0.20919
	-0.3341	-2.78178	0.006014	0.208892
	0.357934	2.782287	0.006005	0.208858
	-0.21898	-2.78025	0.006041	0.209254

CERCAM;FAM102A;LCN2;STXBP1	-0.20544	-2.78076	0.006032	0.209177
	-0.45496	-2.78253	0.006001	0.2088
	0.455675	2.781518	0.006019	0.208955
	-0.31781	-2.78116	0.006025	0.209103
ATP1B2;SLC2A4;MYH10	0.298635	2.780979	0.006028	0.209139
TMEM14B;PHACTR1;SYCP2L;NEDD9;EDN1	-0.26329	-2.77805	0.00608	0.209689
	0.288298	2.779758	0.00605	0.20929
	0.178583	2.78191	0.006012	0.208858
	-0.24564	-2.77995	0.006047	0.20929
	0.255394	2.778909	0.006065	0.209436
RAB25;PEAR1;SMG5;NES;IQGAP3;SLC25A44;TMEM79;ENSG0000246203;RIT1;SYT11	-0.336	-2.78212	0.006008	0.208858
SPINT2;EID2;PSMD8	0.237811	2.780322	0.00604	0.209249
	0.216031	2.782764	0.005997	0.208742
UBXN11;CD164L2;WDTC1	0.269539	2.780888	0.00603	0.209149
	0.246487	2.782324	0.006004	0.208858
	0.202118	2.780959	0.006029	0.209139
GLRX3	-0.28524	-2.78212	0.006008	0.208858
	-0.37306	-2.78156	0.006018	0.208955
ENSG00000249574	-0.44247	-2.78006	0.006045	0.209274
PIH1D1;PRRG2	0.304885	2.782928	0.005994	0.208732
	0.237588	2.780561	0.006036	0.20919
	0.430625	2.780992	0.006028	0.209139
SLC7A1	0.160478	2.779306	0.006058	0.209334
LCK;MARCKSL1;DCDC2B	0.325974	2.782428	0.006003	0.208834
	0.360366	2.781954	0.006011	0.208858
ABHD2	-0.24082	-2.78194	0.006011	0.208858
TTC5	0.310152	2.781478	0.006019	0.208955
	0.15582	2.77975	0.00605	0.20929
CAMK2N1;HP1BP3;PLA2G5;NBL1;EIF4G3;AKR7A2;UBXN10	-0.31987	-2.78204	0.006009	0.208858
	-0.30289	-2.78092	0.006029	0.209149
	0.235924	2.780024	0.006045	0.209274
	-0.2662	-2.77932	0.006058	0.209334
	-0.39552	-2.7783	0.006076	0.209661
DNAH5	-0.30722	-2.77695	0.0061	0.209903
COL4A1;COL4A2;RAB20	0.268667	2.778798	0.006067	0.209449
MARCH6;CCT5;CMBL;FAM173B	-0.33536	-2.78062	0.006035	0.20919
	-0.5347	-2.78022	0.006042	0.209254
SCN11A	-0.2428	-2.78048	0.006037	0.209199
PLAU	-0.22241	-2.78167	0.006016	0.208923
CASZ1	0.154206	2.779341	0.006057	0.209334
ATHL1	0.197519	2.778992	0.006064	0.209402
	0.270522	2.78049	0.006037	0.209199
	0.31665	2.779912	0.006047	0.20929
	0.211021	2.772446	0.006181	0.21128
TRPM2	0.213511	2.779819	0.006049	0.20929

	0.152441	2.779062	0.006062	0.209401
	0.251318	2.779469	0.006055	0.209334
	-0.31882	-2.77956	0.006053	0.209334
HES6;TRAF3IP1	-0.33308	-2.78149	0.006019	0.208955
	0.251265	2.781076	0.006027	0.209118
LPCAT1;TPPP;ZDHC11B;ENSG00000188002	-0.30251	-2.78189	0.006012	0.208858
	-0.29349	-2.7774	0.006092	0.209784
OLFML1;AKIP1;DENND5A;STK33	0.325027	2.777867	0.006084	0.209706
	0.26114	2.779828	0.006049	0.20929
IRF8	0.397857	2.780027	0.006045	0.209274
	0.332546	2.777724	0.006086	0.209774
	0.31334	2.778346	0.006075	0.209648
ENSG00000262601	0.227565	2.778806	0.006067	0.209449
	-0.23264	-2.78025	0.006041	0.209254
	0.274253	2.779696	0.006051	0.209307
	0.349803	2.780645	0.006034	0.20919
ERBB2;PLXDC1;IGFBP4;MIEN1;PCGF2;NR1D1;ENSG00000264198	0.27124	2.777869	0.006084	0.209706
NOTCH4;TNXB;SLC44A4;PBX2;EHMT2;VWA7;TCF19;C6orf10;ENSG00000225914;PRRC2A;NELFE	-0.30939	-2.78003	0.006045	0.209274
PIGU;DYNLRB1;CBFA2T2;PROCR;MAP1LC3A	-0.25603	-2.77415	0.006151	0.210802
LINC00689	-0.421	-2.77862	0.00607	0.209514
	0.200923	2.779607	0.006053	0.209328
	-0.32774	-2.77814	0.006079	0.209689
	-0.19134	-2.77758	0.006089	0.209784
GIPC3;TBXA2R;GNG7;ZNF57	-0.41826	-2.77862	0.00607	0.209514
	-0.33472	-2.77935	0.006057	0.209334
	-0.31031	-2.77729	0.006094	0.20979
ZNF571-AS1;PSMD8;SPINT2;ZNF420;ZNF793	0.420038	2.776783	0.006103	0.209952
DOC2B	-0.346	-2.78061	0.006035	0.20919
	0.247542	2.779437	0.006056	0.209334
	-0.28806	-2.77929	0.006058	0.209334
	-0.34976	-2.77795	0.006082	0.209689
	0.393974	2.779934	0.006047	0.20929
	0.190799	2.779469	0.006055	0.209334
	-0.33153	-2.77598	0.006118	0.210178
ECHS1	-0.27415	-2.77798	0.006049	0.20929
	-0.37555	-2.77878	0.006067	0.209449
GEMIN8P4;LRRC8C;GBP6;LRRC8B;GBP2	-0.34162	-2.77376	0.006158	0.210914
	0.317663	2.77982	0.006049	0.20929
	-0.28873	-2.77909	0.006062	0.209401
CYS1;RRM2;KLF11	-0.68087	-2.77902	0.006063	0.209401
	0.276887	2.776712	0.006104	0.209958
	0.400534	2.77887	0.006066	0.209443
	0.244525	2.779073	0.006062	0.209401

PODN;SLC1A7;ZFYVE9;HSPB11;LRP8;PRPF38A;GLIS1;TCEANC2; TMEM59;LDLRAD1;YIPF1;DIO1;SCP2;ZCCHC11;ENSG00000270 172	0.318389	2.776693	0.006105	0.209958
FRMD6;ABHD12B;MAP4K5	0.410307	2.77856	0.006071	0.209533
FLI1;ARHGAP32;ETS1	-0.37809	-2.7793	0.006058	0.209334
	-0.26055	-2.77679	0.006103	0.209952
ZBED6CL	0.391214	2.779649	0.006052	0.209319
	0.359689	2.777672	0.006087	0.209774
SRSF9;COX6A1;COQ5	-0.25796	-2.77905	0.006063	0.209401
BEND7	-0.41598	-2.77824	0.006077	0.209664
CPNE5;TBC1D22B;PI16;CDKN1A	-0.46278	-2.77699	0.006099	0.209891
	-0.34323	-2.77644	0.006109	0.210014
	-0.27607	-2.77704	0.006099	0.209891
	-0.28927	-2.77618	0.006114	0.210122
	0.210359	2.778006	0.006081	0.209689
FNBP1;FAM78A	-0.29789	-2.778	0.006081	0.209689
	-0.36502	-2.77824	0.006077	0.209664
	-0.25375	-2.77795	0.006082	0.209689
	-0.25227	-2.77918	0.00606	0.20939
	-0.25245	-2.77747	0.006091	0.209784
	-0.39465	-2.77818	0.006078	0.20968
	0.380841	2.776599	0.006106	0.209966
	0.361999	2.777405	0.006092	0.209784
	-0.35135	-2.77565	0.006124	0.210317
SNX1;ANKDD1A;PLEKHO2;RASL12;IGDCC4;ZNF609;CSNK1G1;R BPMS2;PIF1	-0.52885	-2.7761	0.006115	0.210137
RPS15AP10	0.220925	2.776758	0.006104	0.209952
	-0.23378	-2.77738	0.006093	0.209784
	0.284202	2.777015	0.006099	0.209891
IRF8;ATP2C2	0.447833	2.777999	0.006081	0.209689
PEAR1;NES;SYT11;HDGF;MEF2D;MTX1;ASH1L;RAB25;LRRC71;S MG5;LAMTOR2;CCT3	-0.26363	-2.77579	0.006121	0.210244
	0.280637	2.774157	0.00615	0.210802
	0.327769	2.777028	0.006099	0.209891
	0.269847	2.777294	0.006094	0.20979
GAS8;SPIRE2;GALNS;SPATA33;ENSG00000260259;C16orf3;URA HP;PIEZO1	-0.2862	-2.77677	0.006103	0.209952
CUTA	0.184776	2.776477	0.006109	0.210007
	0.284866	2.777358	0.006093	0.209784
	0.261487	2.771721	0.006195	0.211365
	0.329751	2.768708	0.00625	0.212075
P4HTM;LAMB2;NME6;DALRD3;PRKAR2A- AS1;BSN;WDR6;MAP4;NCKIPSD;COL7A1;TCTA;ZNF589	-0.38272	-2.7777	0.006087	0.209774
TP73-AS1;MEGF6;DFFB	-0.25995	-2.77747	0.006091	0.209784
MYH14	0.295952	2.777951	0.006082	0.209689
WDR45B	0.213946	2.776016	0.006117	0.210174
	-0.30737	-2.77741	0.006092	0.209784

	-0.27896	-2.77664	0.006106	0.209961
NWD1;MYO9B;BRD4;NOTCH3;RASAL3;SIN3B;KLF2;SYDE1;WIZ; C19orf44;TPM4	-0.355	-2.77416	0.00615	0.210802
MYO1C;INPP5K;HIC1;SCARF1;ENSG00000262003;SLC43A2	-0.23703	-2.77432	0.006148	0.210802
	-0.40076	-2.77741	0.006092	0.209784
	0.223858	2.77508	0.006134	0.21055
CSGALNACT1;LZTS1	-0.46955	-2.77344	0.006164	0.210993
	0.290787	2.774761	0.00614	0.210612
	0.157193	2.777048	0.006098	0.209891
	0.137202	2.774126	0.006151	0.210802
HLA-DMA;TAP1;TAP2;TAPSAR1;PSMB9;HLA-DPB1;HLA- DMB;HLA-DPA1;HLA-DOA;HLA-DRA	-0.34161	-2.7765	0.006108	0.210007
	-0.34683	-2.77232	0.006184	0.211291
ENSG00000272106;SKI;SSU72;ANKRD65;SAMD11;MXRA8;AUR KAIP1;FAM41C	-0.2358	-2.77588	0.006119	0.210209
CARD8;HRC;CPT1C;PRRG2	0.282991	2.776273	0.006112	0.210099
	0.35415	2.775534	0.006126	0.21037
	-0.44287	-2.77623	0.006113	0.210107
	0.248834	2.776142	0.006115	0.21013
PREX1	-0.29104	-2.77393	0.006155	0.210837
RUNX3	0.527322	2.777525	0.00609	0.209784
	-0.16266	-2.77495	0.006136	0.210573
	-0.3639	-2.77275	0.006176	0.21119
KCNA2;KCNA3	0.303495	2.775953	0.006118	0.210179
	-0.3111	-2.77539	0.006128	0.210415
HOXA3;HOXA2	-0.27702	-2.77409	0.006152	0.21081
	-0.20492	-2.77493	0.006136	0.210573
SLC23A2;CDS2;CDC25B;PRNP	-0.53035	-2.77663	0.006106	0.209961
SYT11;NES;PEAR1;MEF2D;SH2D2A;LRRC71;NTRK1;ENSG000002 23503	0.339424	2.775336	0.006129	0.210425
	0.292203	2.772095	0.006188	0.211291
	-0.27531	-2.77503	0.006135	0.210563
AFAP1L2;ADRB1	-0.43589	-2.77472	0.00614	0.210618
	0.310716	2.774843	0.006138	0.210595
GAS6;F10	-0.44206	-2.77431	0.006148	0.210802
BAIAP2;SLC25A10;PCYT2;RNF213	-0.3305	-2.77295	0.006172	0.211165
	0.205864	2.772313	0.006184	0.211291
RPS17L;UBE2Q2P6;RPS17	-0.50495	-2.77206	0.006189	0.211291
TRAF1	-0.37579	-2.77539	0.006128	0.210415
	0.182504	2.773459	0.006163	0.210993
	-0.24873	-2.77344	0.006163	0.210993
	0.374206	2.775219	0.006131	0.21048
	0.351667	2.77538	0.006128	0.210415
	-0.20671	-2.77295	0.006172	0.211165
	-0.42012	-2.77102	0.006208	0.211482
ZCCHC14	0.352107	2.773135	0.006169	0.211113

FGFBP1;LDB2	-0.32559	-2.77345	0.006163	0.210993
GJA1	0.483108	2.773083	0.00617	0.211128
	0.357344	2.774778	0.006139	0.210612
	0.316023	2.774896	0.006137	0.210579
	0.331322	2.772117	0.006187	0.211291
	-0.17381	-2.77263	0.006178	0.211202
	0.316705	2.77282	0.006175	0.21119
RNF166	0.315548	2.77265	0.006178	0.211202
	-0.21159	-2.77165	0.006196	0.211381
	0.384679	2.774144	0.006151	0.210802
NFATC4	-0.22545	-2.77426	0.006149	0.210802
	0.429083	2.773841	0.006156	0.210878
SNORA38	0.232183	2.77345	0.006163	0.210993
AQP1;PDE1C;INMT;ADCYAP1R1	0.361813	2.773586	0.006161	0.210993
CTBP2;OAT;LHPP;DHX32;BCCIP	-0.32104	-2.77114	0.006205	0.21144
	-0.39696	-2.774	0.006153	0.210833
	0.214528	2.770041	0.006225	0.211684
TRPV4;KCTD10	-0.3909	-2.77205	0.006189	0.211291
	-0.26159	-2.77426	0.006149	0.210802
	-0.23732	-2.77449	0.006145	0.210731
	0.324564	2.773964	0.006154	0.210835
	0.232372	2.772728	0.006176	0.21119
	-0.37331	-2.7722	0.006186	0.211291
CYTH3;RNF216	0.515634	2.773461	0.006163	0.210993
	0.362447	2.773278	0.006166	0.211041
	0.273095	2.772068	0.006188	0.211291
	0.216237	2.770257	0.006221	0.211645
GABBR1;HLA-A	0.245662	2.772415	0.006182	0.211128
DNAJC9-AS1	0.182282	2.770922	0.006209	0.211504
	0.272968	2.771255	0.006203	0.211419
TIGD4;SFRP2;TRIM2;TMEM154;KIAA0922	-0.40237	-2.7709	0.00621	0.211504
	0.397946	2.773995	0.006153	0.210833
CYB5R1	-0.3825	-2.77152	0.006198	0.211381
	0.300502	2.771405	0.0062	0.211392
	0.35989	2.772893	0.006173	0.211178
	0.341125	2.772942	0.006172	0.211165
	-0.56997	-2.77468	0.006141	0.210628
	0.34692	2.771291	0.006203	0.211413
	-0.28406	-2.76905	0.006244	0.211987
	-0.30746	-2.77039	0.006219	0.211643
MANSC1;PRB2;ETV6;DUSP16	-0.35065	-2.76971	0.006231	0.21179
	-0.21333	-2.7734	0.006164	0.211
DUSP10	-0.26513	-2.77067	0.006214	0.211562
CLEC1A;A2M;FAM66C;MFAP5	0.31223	2.769657	0.006232	0.211805
FER1L6;FAM83A;FER1L6-				
AS1;SQLE;ENSG00000255080;TBC1D31;FAM91A1;FAM83A-				
AS1;C8orf76	-0.35877	-2.77182	0.006193	0.21133

	0.303615	2.770293	0.006221	0.211645
	0.403624	2.771519	0.006198	0.211381
	-0.32616	-2.77151	0.006199	0.211381
	-0.28638	-2.77281	0.006175	0.21119
	0.19597	2.77335	0.006165	0.211013
MBP;ENSG00000265778	-0.41118	-2.76884	0.006247	0.212054
LRR49;CT62;GRAMD2;THAP10;HEXA-AS1;MYO9A;PARP6	-0.3176	-2.76602	0.006299	0.212766
	-0.17309	-2.77196	0.00619	0.211302
	-0.2974	-2.77279	0.006175	0.21119
CALM1;TC2N;RPS6KA5;ENSG00000260711;CCDC88C;ATXN3 WDR45B;TBCD	-0.37952	-2.76859	0.006252	0.21209
	-0.30057	-2.7713	0.006202	0.211413
	0.300773	2.77097	0.006208	0.211494
	-0.1889	-2.76684	0.006284	0.212552
CACNA1C	0.245505	2.772277	0.006185	0.211291
	-0.20535	-2.76916	0.006242	0.211965
	0.289225	2.771437	0.0062	0.21139
	0.214576	2.771182	0.006204	0.211434
	0.25809	2.769836	0.006229	0.211729
ENSG00000235531;TRPA1	0.449761	2.772609	0.006179	0.211202
	-0.32173	-2.77106	0.006207	0.211472
GPR133	-0.29383	-2.7724	0.006182	0.21128
	0.352945	2.772711	0.006177	0.21119
	0.287409	2.770043	0.006225	0.211684
CAPN5;LRR43	0.381178	2.770255	0.006221	0.211645
ANGPTL7	0.258233	2.771805	0.006193	0.21133
	0.179818	2.771329	0.006202	0.211413
	-0.31691	-2.7706	0.006215	0.211591
	-0.21285	-2.77204	0.006189	0.211291
	0.40838	2.77155	0.006198	0.211381
	-0.27423	-2.77161	0.006197	0.211381
FUCA1;GALE;SRRM1;PITHD1;CLIC4;STPG1;ENSG00000261326; HMGCL;LUZP1;ID3;LYPLA2;RCAN3	-0.34411	-2.76941	0.006237	0.211897
	-0.20412	-2.77164	0.006196	0.211381
AQP1;GGCT;PRR15	-0.25594	-2.77187	0.006192	0.21133
TNFSF14	-0.39781	-2.77209	0.006188	0.211291
	0.264867	2.770433	0.006218	0.211642
CLEC1A;YBX3	0.358171	2.772076	0.006188	0.211291
INPP5A	-0.22086	-2.77077	0.006212	0.211547
HOXB4;HOXB-AS2;NXPH3;LRR46;PRR15L;TTLL6	-0.43642	-2.77024	0.006222	0.211645
	-0.61999	-2.77203	0.006189	0.211291
KIF26A;C14orf2;INF2;C14orf79;JAG2	-0.23296	-2.77183	0.006193	0.21133
	0.428509	2.770873	0.00621	0.211504
	-0.34665	-2.77052	0.006217	0.211624
PSAPL1;ABLIM2;S100P;KIAA0232;SORCS2;AFAP1;CCDC96;SH3T C1	0.221115	2.770061	0.006225	0.211684

ELF3;CYB5R1;RNPEP;PPP1R12B;LMOD1;CSRP1;TMEM9;LGR6;A DIPOR1;IPO9;KLHL12;UBE2T;KDM5B;TMEM183A;NAV1;KIF21B ;ENSG00000234678;RAB1F;SYT2;TIMM17A	-0.34005	-2.77118	0.006205	0.211434
ENSG00000225746;ENSG00000271417;MEG8;MEG3	-0.33213	-2.76859	0.006252	0.21209
	0.122389	2.771992	0.00619	0.211298
INPP5A;ECHS1	-0.23203	-2.76837	0.006256	0.212168
	0.306486	2.771436	0.0062	0.21139
	0.254974	2.768363	0.006256	0.212168
HSD17B8	-0.1422	-2.76908	0.006243	0.211987
ZNF546	0.2952	2.767877	0.006265	0.212251
	-0.3228	-2.77028	0.006221	0.211645
	-0.37122	-2.77072	0.006213	0.211547
ROCK2	-0.25238	-2.76634	0.006293	0.21269
	-0.34489	-2.77009	0.006224	0.211684
	0.184465	2.765322	0.006312	0.21289
ZNF229	-0.23698	-2.76635	0.006293	0.21269
PIK3C2B;MDM4;SNRPE	-0.41233	-2.77001	0.006226	0.211689
	-0.28728	-2.77038	0.006219	0.211643
	-0.20836	-2.76942	0.006237	0.211897
MEGF6;LINC00982;PRDM16;ENSG00000272235	0.255963	2.770723	0.006213	0.211547
IFNG-AS1;MDM2;ENSG00000251301	-0.338	-2.76829	0.006257	0.212168
	-0.27402	-2.76897	0.006245	0.21201
	-0.24609	-2.76793	0.006264	0.212251
CD248;EFEMP2;LTBP3;CTSF;TM7SF2;CCS;SIPA1;SLC25A45;PPP2 R5B;SNX15;SF3B2;MAP3K11;RNASEH2C;FIBP;CNIH2;ZNHIT2;EH BP1L1;PELI3;NAALADL1;BANF1;ENSG00000254510;YIF1A;CST6	0.317566	2.767474	0.006272	0.21236
	0.848131	2.764022	0.006336	0.213021
	0.228238	2.769186	0.006241	0.211963
SCUBE1;ENSG00000226328;NUP50;PARVB;ENSG00000230922	-0.3741	-2.76794	0.006264	0.212251
	0.292992	2.768774	0.006249	0.212068
	0.328999	2.768342	0.006256	0.212168
FSTL3;PALM;PPAP2C;ADAMTSL5;MUM1;SHC2;OAZ1;MISP;TCF 3;GAMT;SF3A2;BTBD2	-0.21425	-2.76696	0.006282	0.212511
BCL11B;DEGS2;EVL	0.342073	2.768826	0.006248	0.212054
SLC36A1;CD74	0.28255	2.770483	0.006217	0.211628
	0.217643	2.76645	0.006291	0.21268
	0.144644	2.769892	0.006228	0.211729
SOWAHB	-0.31122	-2.76706	0.00628	0.212496
	0.265314	2.764849	0.006321	0.212902
	0.26641	2.767425	0.006273	0.21236
	-0.3009	-2.76814	0.00626	0.212241
	0.279753	2.769256	0.00624	0.211949
	-0.52298	-2.77004	0.006225	0.211684
SCARF1;FAM101B;MYO1C;YWHAE;HIC1	-0.31111	-2.76924	0.00624	0.211949
HCP5;LTB;HLA-B;HLA-DRA;HSPA1A;HSPA1B;DDR1	0.297189	2.76904	0.006244	0.211987



FCHO1;JAK3;IL12RB1;FAM129C;MYO9B	0.367529	2.769875	0.006228	0.211729
	0.214032	2.766777	0.006285	0.212554
	-0.17791	-2.7694	0.006237	0.211897
TMEM204;HN1L;SOX8;ENSG00000260807	0.425725	2.767978	0.006263	0.212251
	-0.19733	-2.76831	0.006257	0.212168
	-0.26733	-2.76836	0.006256	0.212168
	0.267341	2.767806	0.006266	0.212251
	-0.33372	-2.7674	0.006274	0.21236
	-0.46545	-2.76806	0.006262	0.212251
	0.354671	2.769274	0.006239	0.211949
	-0.35649	-2.76961	0.006233	0.211817
	0.307545	2.764362	0.00633	0.212983
IFT46;AMICA1;MCAM;KMT2A;CCDC153;TRAPPC4;C2CD2L;MPZ L3;USP2	-0.22118	-2.76492	0.00632	0.212902
	-0.28583	-2.76867	0.00625	0.212082
	-0.27641	-2.7679	0.006265	0.212251
C4A;ENSG00000225914 TESPA1;NCKAP1L;ITGB7;ITGA5;PDE1B DNAH6;DUXAP1;TRABD2A;MAT2A;GGCX;LDHAP7;POLR1A;CAP G LRRC59	-0.43231	-2.76742	0.006273	0.21236
	0.259679	2.766201	0.006296	0.212729
	-0.28953	-2.76736	0.006275	0.212362
	0.337741	2.768109	0.006261	0.212246
	0.23584	2.767885	0.006265	0.212251
	-0.23625	-2.76874	0.006249	0.21207
	-0.26767	-2.76858	0.006252	0.21209
	-0.1897	-2.76764	0.006269	0.212337
	0.303218	2.767552	0.006271	0.212357
	-0.41648	-2.76642	0.006292	0.21268
MAPK10;C4orf36;NUDT9;KLHL8;HSP90AB3P	0.331931	2.769832	0.006229	0.211729
	-0.24559	-2.76596	0.0063	0.212766
	-0.25492	-2.76532	0.006312	0.21289
RNF166	0.31523	2.767824	0.006266	0.212251
	0.351928	2.767846	0.006266	0.212251
MEG3;DEGS2 C17orf89;STRA13	-0.26859	-2.76713	0.006279	0.212487
	-0.29868	-2.76882	0.006248	0.212054
	-0.32618	-2.76596	0.0063	0.212766
	-0.2176	-2.76684	0.006284	0.212552
	-0.25123	-2.76556	0.006308	0.212874
MRPS7;ICT1;HN1;ATP5H;SLC9A3R1	-0.30463	-2.76673	0.006286	0.212567
	0.303409	2.765584	0.006307	0.212874
PTPRB	0.396305	2.765499	0.006309	0.212881
	-0.24349	-2.76748	0.006272	0.21236
	-0.70354	-2.76596	0.0063	0.212766
	0.330497	2.766046	0.006299	0.212766
SNX29;LITAF;ZC3H7A SECTM1;CD7	-0.3329	-2.7653	0.006313	0.21289
	0.278331	2.765731	0.006305	0.21282
	0.268187	2.766452	0.006291	0.21268
PPP1R18;DDR1	-0.38135	-2.76447	0.006328	0.21298

LINC00663;SSBP4	0.273853	2.76483	0.006321	0.212902
	0.316322	2.766797	0.006285	0.212554
	-0.29289	-2.76578	0.006304	0.21282
	-0.21567	-2.76443	0.006329	0.21298
	-0.251	-2.76297	0.006356	0.213212
SNX29;LITAF;ENSG00000188897;CPPED1	0.323905	2.763808	0.00634	0.213063
	-0.27625	-2.76525	0.006313	0.212902
	0.236542	2.765734	0.006304	0.21282
CEP41;SMO;NRF1;KLHDC10;UBE2H;SMKR1;FLNC;TSPAN33;IRF5 ;TPI1P2 STRBP;GGTA1P	-0.29902	-2.7678	0.006266	0.212251
	0.444681	2.764823	0.006321	0.212902
	-0.31779	-2.76622	0.006296	0.212729
	0.261403	2.763711	0.006342	0.213063
	-0.1584	-2.76347	0.006346	0.213104
CEP104;TP73 TBC1D10C	-0.40094	-2.76468	0.006324	0.212921
	-0.43225	-2.76756	0.006271	0.212357
	0.184952	2.763767	0.006341	0.213063
AP3M2;SMIM19;SLC20A2;GINS4;VDAC3	-0.25379	-2.76231	0.006368	0.213318
	0.340964	2.766955	0.006282	0.212511
	-0.31002	-2.76702	0.006281	0.212505
RNU2-59P	0.358734	2.766214	0.006296	0.212729
	0.244978	2.76511	0.006316	0.212902
MRPS7;SPHK1;ICT1;CASKIN2;ST6GALNAC1;SMIM6;GALK1	0.311861	2.764858	0.006321	0.212902
	0.131834	2.765033	0.006317	0.212902
	0.264099	2.766545	0.00629	0.212665
	-0.2009	-2.76171	0.006379	0.213452
	0.2914	2.765398	0.006311	0.212888
	-0.34338	-2.76739	0.006274	0.21236
	0.337132	2.765443	0.00631	0.212882
	-0.24104	-2.76706	0.00628	0.212496
	-0.22536	-2.76582	0.006303	0.21282
	-0.31188	-2.76508	0.006317	0.212902
ARID3A	-0.28821	-2.76538	0.006311	0.212888
	0.480346	2.766414	0.006292	0.21268
	0.225384	2.762147	0.006371	0.213318
SKI;MXRA8;PRDM16;NADK	-0.18918	-2.76595	0.0063	0.212766
	-0.17411	-2.76617	0.006296	0.212729
	-0.26269	-2.76431	0.006331	0.212983
PSMB3;MLLT6;MIEN1				
TLN2;RAB8B;TPM1;ENSG00000259498;ENSG00000166104	0.36013	2.765127	0.006316	0.212902
	-0.28298	-2.7646	0.006326	0.212926
	0.305849	2.765449	0.00631	0.212882
	-0.21482	-2.76459	0.006326	0.212926
	0.299151	2.765739	0.006304	0.21282
	0.307607	2.763622	0.006344	0.213063
	-0.21018	-2.76237	0.006367	0.213318

	-0.27273	-2.76416	0.006334	0.213021
SERPINB6;TUBB2A	-0.34654	-2.76568	0.006306	0.212836
GNG12	-0.23605	-2.76503	0.006317	0.212902
INPP5D;NGEF	0.32692	2.763274	0.00635	0.21313
	-0.17951	-2.76247	0.006365	0.213318
	-0.19206	-2.76471	0.006324	0.212921
	-0.32703	-2.76518	0.006315	0.212902
	0.298082	2.762966	0.006356	0.213212
	0.339455	2.761126	0.00639	0.213493
	0.200412	2.764023	0.006336	0.213021
	-0.51077	-2.76385	0.006339	0.213063
	0.30931	2.764427	0.006329	0.21298
MXRA8;SAMMD11;ANKRD65;RNF223;ENSG00000272106;ENSG0000223764;SKI;VWA1;ENSG00000271847;TTLL10	-0.32984	-2.76374	0.006341	0.213063
	-0.33285	-2.76433	0.00633	0.212983
	0.420716	2.764763	0.006322	0.212904
ERO1L	0.198996	2.764158	0.006334	0.213021
	0.240751	2.765173	0.006315	0.212902
LIMD2;ENSG00000265702	0.303133	2.765011	0.006318	0.212902
PVRL3;C3orf52;ENSG00000261488;CD200;ENSG00000272761;GCSAM;PHLDB2;SLC9C1;TMPRSS7;CCDC80	0.428725	2.762672	0.006361	0.213272
FTSJ2	0.257627	2.764792	0.006322	0.212902
EXOC6B	-0.50287	-2.76308	0.006354	0.213212
	0.289827	2.762159	0.006371	0.213318
	0.193516	2.761419	0.006385	0.21349
	0.38624	2.761136	0.00639	0.213493
	0.316336	2.762786	0.006359	0.213234
TMEM105;TBCD;LINC00482;WDR45B	0.263012	2.762534	0.006364	0.213318
	0.190151	2.764805	0.006322	0.212902
	0.284659	2.765531	0.006308	0.212878
	0.409135	2.763633	0.006343	0.213063
	0.316327	2.763396	0.006348	0.213104
CIITA;TXNDC11	0.275735	2.764317	0.006331	0.212983
	0.192494	2.762227	0.00637	0.213318
	-0.33195	-2.76499	0.006318	0.212902
ABHD17C;KIAA1199;ENSG00000259649	-0.42315	-2.76494	0.006319	0.212902
	0.323282	2.762979	0.006356	0.213212
	0.304031	2.763631	0.006343	0.213063
	-0.32089	-2.76464	0.006325	0.212926
SCCPDH	-0.25035	-2.76407	0.006335	0.213021
CYTIP;UPP2	-0.42611	-2.76367	0.006343	0.213063
IL2RB	-0.16501	-2.76372	0.006342	0.213063
	-0.29501	-2.76407	0.006335	0.213021
C17orf66;SLFN12L	-0.27776	-2.76317	0.006352	0.213178
	0.188904	2.761388	0.006385	0.21349
	-0.27397	-2.76296	0.006356	0.213212

TSPAN4;IGF2;MUC5AC;MRPL23;TALDO1;ENSG00000250397;D EAF1;CD81	-0.27219	-2.75962	0.006418	0.214011
	0.333874	2.764197	0.006333	0.213021
	-0.49671	-2.76334	0.006349	0.213104
MLLT4;SMOC2;FGFR1OP;ENSG00000228648;DACT2	-0.57577	-2.76214	0.006371	0.213318
RUNX3;STPG1;IL22RA1	-0.36203	-2.76405	0.006336	0.213021
	0.347371	2.762873	0.006358	0.21323
	-0.31186	-2.76124	0.006388	0.213493
	-0.18896	-2.76358	0.006344	0.213071
	-0.30442	-2.76195	0.006375	0.213369
MEG3	-0.39426	-2.76109	0.006391	0.213493
ANKDD1B;POC5	-0.44852	-2.76146	0.006384	0.21349
TNFAIP2	-0.24073	-2.76206	0.006373	0.213338
	0.13628	2.762621	0.006362	0.213287
MISP;ARID3A;PPAP2C;FSTL3;GPX4	-0.35187	-2.7622	0.00637	0.213318
NDUFS3	-0.30115	-2.76291	0.006357	0.213225
TSPAN32;C11orf89;NAP1L4;MRPL23;CARS;C11orf21;IGF2	-0.3374	-2.75903	0.00643	0.214021
	0.25665	2.762789	0.006359	0.213234
	0.314167	2.763557	0.006345	0.213071
HCP5;HSPA1B;C2;HSPA1A;CLIC1	0.240456	2.762825	0.006358	0.213234
	0.30818	2.76343	0.006347	0.213104
RAB2B	0.18842	2.763985	0.006337	0.213021
	0.217783	2.76399	0.006337	0.213021
	0.223562	2.76237	0.006367	0.213318
	0.306394	2.761191	0.006389	0.213493
CDK8	-0.2389	-2.76302	0.006355	0.213212
DHX16;TRIM31;PPP1R18;DDR1;GABBR1;NRM;TRIM26	0.555543	2.763937	0.006338	0.213034
	-0.37684	-2.76337	0.006348	0.213104
	-0.40114	-2.761	0.006393	0.213521
GPR161;DUSP27	0.296858	2.760965	0.006393	0.213521
	0.207699	2.760046	0.00641	0.213897
NCKAP5	-0.24705	-2.75828	0.006444	0.214128
	0.33474	2.762264	0.006369	0.213318
	0.2848	2.76141	0.006385	0.21349
ADAMTS9-AS2;ADAMTS9-AS1;SNTN;ADAMTS9;SYNPR-AS1	-0.37822	-2.75951	0.006421	0.214021
ITGA11;CALML4;GLCE;PIAS1;KIF23	0.390097	2.762444	0.006366	0.213318
	0.210501	2.762102	0.006372	0.213327
	-0.2902	-2.76066	0.006399	0.21366
ELF1	0.405118	2.76338	0.006348	0.213104
	0.259576	2.75936	0.006423	0.214021
	-0.39018	-2.75952	0.00642	0.214021
	0.313704	2.762217	0.00637	0.213318
	0.213189	2.758157	0.006446	0.214162
	-0.30256	-2.76097	0.006393	0.213521
MIPOL1	-0.63296	-2.76184	0.006377	0.213405

	-0.27347	-2.76077	0.006397	0.213607
HN1L	0.241474	2.761526	0.006383	0.21349
SLIT3;WWC1	-0.47161	-2.7612	0.006389	0.213493
	-0.17677	-2.76233	0.006368	0.213318
	0.379724	2.762714	0.006361	0.213262
	0.334397	2.758997	0.00643	0.214021
	0.316634	2.760036	0.006411	0.213897
ENSG00000269938	-0.21982	-2.75907	0.006429	0.214021
	0.298799	2.76227	0.006369	0.213318
DOC2B	0.194787	2.761516	0.006383	0.21349
	0.279368	2.762424	0.006366	0.213318
	0.304172	2.759201	0.006426	0.214021
	-0.24245	-2.76134	0.006386	0.213493
SH2D2A;PEAR1;SYT11	-0.27904	-2.76188	0.006376	0.213399
	-0.18272	-2.75923	0.006426	0.214021
PTCH1	-0.3867	-2.7615	0.006383	0.21349
	-0.26151	-2.76002	0.006411	0.213897
HCP5;HSPA1A;SLC44A4;DDR1;HLA-B;BAG6;HLA-DRB5;CLIC1	0.359755	2.761578	0.006382	0.21349
FAM83F	-0.23315	-2.75983	0.006415	0.213958
TCTN1;IFT81;TRPV4;MMAB;USP30;KCTD10;C12orf76	-0.45851	-2.75906	0.006429	0.214021
MISP;MIDN	0.30965	2.761325	0.006386	0.213493
EVI2B;EVI2A;ENSG00000265739	-0.33857	-2.75975	0.006416	0.213963
TTC39A;ENSG00000261664;AGBL4	0.272386	2.758551	0.006439	0.214081
	-0.28933	-2.75931	0.006424	0.214021
GALE	-0.28991	-2.76109	0.006391	0.213493
	-0.29625	-2.75832	0.006443	0.214127
	0.30222	2.761282	0.006387	0.213493
	0.302072	2.758264	0.006444	0.214128
ZNF169;FGD3	0.313554	2.761447	0.006384	0.21349
	-0.31056	-2.76044	0.006403	0.213766
	-0.33304	-2.7618	0.006378	0.213415
	-0.60427	-2.75845	0.00644	0.214096
CPSF3;YWHAQ	0.300479	2.758229	0.006445	0.214134
	-0.37373	-2.76029	0.006406	0.213791
	0.306949	2.761465	0.006384	0.21349
	-0.21382	-2.7597	0.006417	0.213981
NPLOC4;OXLD1;STRA13;BAIAP2;PCYT2;SIRT7;SLC25A10;ANAPC				
11	-0.22547	-2.75577	0.006491	0.214744
	-0.21383	-2.75898	0.00643	0.214021
	-0.274	-2.75951	0.00642	0.214021
	0.27955	2.758939	0.006431	0.214021
	0.333244	2.760503	0.006402	0.213742
BIN2	-0.35274	-2.7603	0.006406	0.213791
C22orf23;MFNG	-0.29555	-2.7587	0.006436	0.214023
LETM1;ATP5I;WHSC1;ZNF876P	-0.65524	-2.76199	0.006374	0.213364
	0.32309	2.761231	0.006388	0.213493

	0.385906	2.759046	0.006429	0.214021
	0.183329	2.760042	0.006411	0.213897
	0.270719	2.760333	0.006405	0.213791
	-0.2345	-2.75904	0.006429	0.214021
BAK1;TAP1;TAP2;HSPA1L;KIFC1	0.349107	2.758736	0.006435	0.214023
	0.246063	2.75703	0.006467	0.214498
	0.334897	2.755406	0.006498	0.214776
	-0.32461	-2.7579	0.006451	0.214275
	0.262686	2.760849	0.006395	0.213576
GRTP1	-0.35481	-2.75911	0.006428	0.214021
CDON	-0.17807	-2.7568	0.006472	0.214513
	0.305818	2.75887	0.006433	0.214023
	0.237728	2.756957	0.006469	0.214498
	-0.2022	-2.75652	0.006477	0.214537
	0.309925	2.759881	0.006414	0.213958
	0.29727	2.757456	0.006459	0.214468
	-0.23347	-2.75872	0.006435	0.214023
TNKS	0.302527	2.758421	0.006441	0.214096
	0.26845	2.758814	0.006434	0.214023
	-0.29018	-2.75864	0.006437	0.214042
LY9;CD84;CD48;SLAMF1	0.20313	2.754182	0.006521	0.214975
	-0.28552	-2.75655	0.006476	0.214537
RFTN2	0.31876	2.758967	0.006431	0.214021
MMRN2	-0.42001	-2.76041	0.006404	0.213766
TIE1;ELOVL1;PPCS	0.205841	2.7566	0.006475	0.214537
	0.256437	2.757143	0.006465	0.214498
ADAMTS10;ZNF358;KANK3;ZNF559;STXBP2	0.348589	2.757255	0.006463	0.214498
	-0.19784	-2.75936	0.006423	0.214021
ZNF473;CCDC114;CPT1C;MED25;VRK3;ENSG00000269091;FA M83E;PTOV1-AS1;SLC6A16;FUZ;ENSG00000197813	0.33805	2.75879	0.006434	0.214023
	-0.32233	-2.75895	0.006431	0.214021
ZNF683;THEMIS2	-0.4032	-2.75779	0.006453	0.214325
	0.233609	2.759781	0.006415	0.213961
GFI1	-0.30424	-2.75933	0.006424	0.214021
VIMP;DNM1P47;TARSL2;ASB7;ENSG00000259430	0.403838	2.756492	0.006477	0.21454
CARS;ENSG00000255367;CDKN1C	-0.39175	-2.75542	0.006498	0.214776
	0.255716	2.754371	0.006518	0.214975
NOVA2;GIPR;ERCC1;NPAS1	-0.33098	-2.75896	0.006431	0.214021
EDEM2;PROCR;ERGIC3	0.283551	2.752846	0.006547	0.215272
	-0.25491	-2.75909	0.006428	0.214021
	-0.31319	-2.75983	0.006414	0.213958
IFNE;CDKN2B;CDKN2A	0.194182	2.755774	0.006491	0.214744
	-0.28527	-2.75873	0.006435	0.214023
	0.239799	2.757957	0.00645	0.214254
	0.336869	2.756759	0.006472	0.214523
	0.292359	2.756215	0.006483	0.214681
	0.267825	2.757059	0.006467	0.214498

MYCBP;MACF1;TRIT1;HEYL;PPIE;AKIRIN1;ZMPSTE24	-0.45541	-2.75532	0.0065	0.214792
ENSG00000242299	-0.18829	-2.75606	0.006486	0.214692
	0.36152	2.758496	0.00644	0.214096
	0.366212	2.757576	0.006457	0.214443
	0.201749	2.759813	0.006415	0.213958
	-0.40611	-2.75577	0.006491	0.214744
	0.147754	2.756964	0.006469	0.214498
	-0.25637	-2.75928	0.006425	0.214021
	-0.2492	-2.75875	0.006435	0.214023
SIGLEC1	-0.3016	-2.7549	0.006508	0.214912
	-0.66456	-2.75371	0.00653	0.21506
	-0.25996	-2.75902	0.00643	0.214021
	0.26158	2.758815	0.006434	0.214023
	-0.28833	-2.75845	0.006441	0.214096
	-0.24186	-2.75712	0.006466	0.214498
CDH2	0.324328	2.755719	0.006492	0.21476
	0.205136	2.757483	0.006459	0.214468
PALM;ATP8B3	-0.37271	-2.75442	0.006517	0.214975
CTSW;NRXN2;BATF2;SIPA1;SLC25A45	0.189907	2.758046	0.006448	0.214215
	0.208848	2.757252	0.006463	0.214498
	0.286837	2.756851	0.006471	0.214513
	0.259546	2.757404	0.00646	0.214484
IL17RD;ERC2	0.259971	2.755485	0.006497	0.214776
	0.298448	2.759169	0.006427	0.214021
	-0.32147	-2.75653	0.006477	0.214537
	-0.40696	-2.75752	0.006458	0.214463
ZNF382;ZFP82;ZNF568;ZNF529;ZNF566	0.281349	2.755158	0.006503	0.214796
	-0.31463	-2.7538	0.006529	0.215034
	0.197827	2.757102	0.006466	0.214498
MKS1;BZRAP1;DGKE	-0.32807	-2.75838	0.006442	0.214103
	-0.1881	-2.7572	0.006464	0.214498
	-0.18309	-2.75452	0.006515	0.214975
	0.351535	2.756152	0.006484	0.214692
BCL6B;CLDN7;MPDU1;ACAP1;MIR497HG	-0.22647	-2.75611	0.006485	0.214692
C15orf27	-0.33557	-2.75601	0.006487	0.214692
	0.247656	2.756601	0.006475	0.214537
ENSG00000240859	-0.29488	-2.75704	0.006467	0.214498
	-0.31071	-2.75429	0.006519	0.214975
RNF216;RAC1	-0.46933	-2.75252	0.006553	0.215298
	-0.33791	-2.75539	0.006498	0.214776
	0.227932	2.756917	0.006469	0.214501
CSF1;GSTM5;GSTM3;CLCC1;SYPL2	0.313985	2.757009	0.006468	0.214498
	-0.44292	-2.7569	0.00647	0.214501
	-0.43297	-2.75667	0.006474	0.214537
	-0.63777	-2.75045	0.006593	0.215869
	0.236722	2.757125	0.006465	0.214498
	-0.31174	-2.75733	0.006462	0.214496

SPECC1;ENSG00000264932 ZDHC13;HTATIP2	0.293469	2.755276	0.006501	0.214795
	0.309221	2.756021	0.006486	0.214692
	-0.38335	-2.75634	0.00648	0.214617
	0.272558	2.754736	0.006511	0.214975
TACC1;PPAPDC1B;FGFR1;GPR124;DDHD2;PLEKHA2;ZNF703	-0.30214	-2.75353	0.006534	0.215124
	0.257955	2.75735	0.006461	0.214496
	0.491692	2.753412	0.006536	0.215173
	0.4555	2.756106	0.006485	0.214692
SSC5D;ZNF865;TMC4	0.341983	2.755502	0.006496	0.214776
RER1;MEGF6;PRDM16;LINC00982	-0.17569	-2.75661	0.006475	0.214537
LINC00908	-0.32994	-2.75399	0.006525	0.214986
NFIX	-0.26406	-2.75402	0.006524	0.214983
SUN1	-0.33525	-2.75564	0.006494	0.214776
C14orf142	0.355916	2.753954	0.006526	0.214989
DLL4;C15orf52;RMDN3 CTBS;RPF1	0.324081	2.754543	0.006514	0.214975
	0.487719	2.755958	0.006488	0.21471
	0.253033	2.754222	0.006521	0.214975
	-0.32393	-2.75582	0.00649	0.214744
PKP1;LAD1;PTPN7;ENSG00000224818	-0.3413	-2.75428	0.00652	0.214975
	0.354542	2.755061	0.006505	0.214825
	-0.24245	-2.75541	0.006498	0.214776
	-0.35864	-2.75451	0.006515	0.214975
DHRS3;FBXO6	0.356807	2.756643	0.006475	0.214537
	0.249932	2.757249	0.006463	0.214498
	0.350297	2.753716	0.00653	0.21506
	-0.5072	-2.75149	0.006573	0.215561
UNC79;PPP4R4;ASB2;PRIMA1;IFI27L2;C14orf142	0.246354	2.755868	0.006489	0.214744
	0.282513	2.752767	0.006548	0.215288
	-0.15735	-2.75413	0.006522	0.214975
	0.269655	2.754381	0.006518	0.214975
ZNF154;ZNF584	0.336174	2.754258	0.00652	0.214975
	0.391623	2.755425	0.006498	0.214776
	0.277232	2.753623	0.006532	0.215094
	0.173264	2.755267	0.006501	0.214795
LCK;LAPTM5	-0.20119	-2.7555	0.006496	0.214776
	-0.54342	-2.75549	0.006497	0.214776
	-0.17145	-2.75516	0.006503	0.214796
	0.518564	2.756808	0.006471	0.214513
POLD3;KCNE3;KLHL35 MRRF;LHX6	0.157526	2.753371	0.006537	0.215173
	0.309426	2.754561	0.006514	0.214975
	0.259509	2.755536	0.006496	0.214776
	-0.32373	-2.75603	0.006486	0.214692
ABHD6	0.27123	2.754622	0.006513	0.214975
	-0.23495	-2.75252	0.006553	0.215298
	0.259287	2.753398	0.006536	0.215173
	-0.34479	-2.75538	0.006499	0.214776



TTC22	0.261644	2.755139	0.006503	0.214796
	0.196634	2.752404	0.006555	0.215298
APBB2	0.244653	2.749307	0.006615	0.216211
RUNX3	0.358336	2.754405	0.006517	0.214975
	0.2176	2.750766	0.006587	0.215754
	0.305008	2.752737	0.006549	0.215291
	0.22694	2.752639	0.006551	0.215298
	0.34003	2.754131	0.006522	0.214975
	-0.15433	-2.75314	0.006541	0.215239
	0.329824	2.752983	0.006544	0.215239
	0.236749	2.755133	0.006503	0.214796
	0.419908	2.754016	0.006525	0.214983
	0.32912	2.753869	0.006527	0.215009
	0.445503	2.754738	0.006511	0.214975
C7orf57;ABCA13;UPP1;PKD1L1;HUS1	-0.32856	-2.75192	0.006565	0.215442
	0.154032	2.754173	0.006522	0.214975
	0.326492	2.75282	0.006547	0.215272
	-0.31421	-2.7516	0.006571	0.215528
	0.33497	2.754601	0.006513	0.214975
	-0.3134	-2.75206	0.006562	0.215405
	0.284611	2.752615	0.006551	0.215298
GAS8;ENSG00000260259;SPATA33;SPIRE2;C16orf3;ANKRD11	-0.37479	-2.75429	0.006519	0.214975
	0.340479	2.753879	0.006527	0.215009
	-0.22	-2.75434	0.006518	0.214975
	0.368891	2.752604	0.006552	0.215298
ENSG00000265458	-0.24537	-2.75284	0.006547	0.215272
	0.334099	2.753062	0.006543	0.215239
	0.288689	2.750713	0.006588	0.215771
	0.254834	2.752281	0.006558	0.215346
RRP12	0.219835	2.754308	0.006519	0.214975
S100BP	0.338811	2.755174	0.006502	0.214796
ABLIM3;MIR143HG;MIR145;ENSG00000253864;MIR143	0.22786	2.75451	0.006515	0.214975
	-0.21733	-2.75197	0.006564	0.215441
	-0.20437	-2.75316	0.006541	0.215239
	0.268194	2.754061	0.006524	0.214983
TRAF4	-0.39776	-2.75249	0.006554	0.215298
	-0.29243	-2.75216	0.00656	0.215372
	0.241612	2.751293	0.006577	0.215604
	-0.32892	-2.75299	0.006544	0.215239
	-0.20347	-2.7536	0.006532	0.215094
BAIAP2;RNF213;PCYT2	0.399653	2.753268	0.006539	0.215222
BAIAP2;RNF213	0.280973	2.753024	0.006543	0.215239
	0.393157	2.754108	0.006523	0.214975
	0.239253	2.751319	0.006576	0.215604
	0.253825	2.752383	0.006556	0.215298
	0.368536	2.752564	0.006552	0.215298

	0.272719	2.749826	0.006605	0.216033
	0.201393	2.75164	0.00657	0.215518
	-0.33352	-2.74857	0.006629	0.216349
	0.299497	2.752983	0.006544	0.215239
	0.223043	2.750215	0.006597	0.215919
	-0.23881	-2.75282	0.006547	0.215272
KIAA1462;SVIL;PTCHD3P1;MPP7;WAC-AS1	-0.41518	-2.75094	0.006583	0.215709
	-0.28422	-2.75153	0.006572	0.215557
UBL3;POMP;LINC00365	-0.372	-2.74915	0.006618	0.216229
ADARB1	0.310607	2.751945	0.006564	0.215442
CIB1;ABHD2;MFGE8;KIF7;HAPLN3;ACAN;PEX11A;WDR93	0.27302	2.751344	0.006576	0.215604
	0.313975	2.75457	0.006514	0.214975
ARID3A;HMHA1	0.256126	2.751856	0.006566	0.215462
	0.297208	2.750542	0.006591	0.215845
HDAC3	-0.18861	-2.75095	0.006583	0.215709
	0.347481	2.74698	0.00666	0.21667
	-0.16063	-2.74782	0.006644	0.216539
PLVAP;USHBP1;MYO9B;NR2F6;KLF2;NWD1	-0.41894	-2.75081	0.006586	0.215754
MEGF6;RER1;SKI;TPRG1L;PRDM16	0.338277	2.753061	0.006543	0.215239
RPS3AP26	0.297929	2.750258	0.006597	0.215909
	0.201769	2.752133	0.006561	0.215373
SLC17A9;RGS19	-0.41101	-2.74962	0.006609	0.216113
	-0.17668	-2.75182	0.006567	0.215462
	0.258514	2.750586	0.00659	0.215835
	0.322451	2.752977	0.006544	0.215239
ENSG00000255248	-0.39143	-2.74922	0.006617	0.216216
	0.358435	2.750826	0.006586	0.215754
EXOC3L2;NOVA2	0.32656	2.752223	0.006559	0.215365
	0.219564	2.751162	0.006579	0.21567
	0.31816	2.752976	0.006544	0.215239
	0.286846	2.745818	0.006683	0.216862
	0.234171	2.747801	0.006644	0.216539
MFSD6;C2orf88;NAB1	-0.43067	-2.75131	0.006576	0.215604
	0.343873	2.752431	0.006555	0.215298
	-0.23698	-2.7518	0.006567	0.215462
DIP2C	0.436227	2.749766	0.006606	0.216054
	0.248035	2.747345	0.006653	0.216626
	-0.51782	-2.74906	0.00662	0.216253
	0.330026	2.749687	0.006608	0.216087
	-0.2654	-2.75239	0.006556	0.215298
	0.306535	2.750104	0.0066	0.215973
	0.384629	2.748817	0.006624	0.216322
	0.276458	2.750963	0.006583	0.215709
	-0.37841	-2.75247	0.006554	0.215298
	-0.44391	-2.75248	0.006554	0.215298
	0.287373	2.748194	0.006636	0.216504

INMT;PRR15;AQP1;ENSG00000223813;CHN2;FAM188B	0.410362	2.750346	0.006595	0.21587
	0.333938	2.751781	0.006567	0.215462
	0.216802	2.749867	0.006604	0.216033
EFS;AJUBA;SLC7A7;CDH24;REM2;SLC22A17;ZFHX2;RBM23	-0.28214	-2.74837	0.006633	0.216425
	0.325204	2.751693	0.006569	0.215501
	-0.34758	-2.74984	0.006605	0.216033
HAUS3	0.352193	2.751436	0.006574	0.21558
	0.277501	2.750507	0.006592	0.215851
	0.356948	2.748639	0.006628	0.216337
ARRB2;ATP2A3;RAP1GAP2	0.310836	2.747996	0.00664	0.216525
	-0.22026	-2.75078	0.006587	0.215754
	0.26673	2.749429	0.006613	0.216181
RNF166	-0.24944	-2.75108	0.006581	0.215688
	-0.26423	-2.75108	0.006581	0.215688
	0.159597	2.748632	0.006628	0.216337
SAMD12	-0.40785	-2.74716	0.006657	0.216626
	-0.34623	-2.748	0.00664	0.216525
	COX14;FAM186A	-0.19615	-2.74989	0.006604
ELOVL5;TRAM2	-0.31181	-2.748	0.00664	0.216525
	-0.36662	-2.7461	0.006677	0.216851
	-0.3644	-2.74942	0.006613	0.216181
ENSG00000264198;IKZF3;PLXDC1	0.345891	2.749278	0.006615	0.216213
	-0.18561	-2.7499	0.006603	0.216033
	-0.41406	-2.7522	0.006559	0.215365
FAM110C	0.274374	2.750967	0.006583	0.215709
	-0.25822	-2.74988	0.006604	0.216033
	0.326556	2.747793	0.006644	0.216539
C2orf88;HIBCH	-0.35213	-2.7504	0.006594	0.215869
	0.27691	2.750367	0.006594	0.21587
	-0.30684	-2.74797	0.006641	0.216525
ENSG00000268657;SMEK1;SLC24A4;CATSPERB	-0.28616	-2.75006	0.0066	0.215985
	0.288259	2.748856	0.006624	0.216322
	0.217529	2.749234	0.006616	0.216216
MAF1	0.182621	2.747826	0.006644	0.216539
	-0.25273	-2.74795	0.006641	0.216525
	-0.2993	-2.74884	0.006624	0.216322
USP43	-0.29139	-2.7504	0.006594	0.215869
	0.254612	2.748066	0.006639	0.216525
	-0.30759	-2.74908	0.006619	0.216253
CACNA1C-AS4;CACNA1C;TSPAN9	0.206123	2.749172	0.006618	0.216229
	0.280748	2.749382	0.006613	0.216181
	0.29085	2.748447	0.006632	0.216407
	-0.2893	-2.74689	0.006662	0.21667
	0.221827	2.748635	0.006628	0.216337
	0.454632	2.747691	0.006646	0.216571
	-0.29599	-2.74719	0.006656	0.216626

HLA-DMA;HLA-DMB;HLA-DOA	-0.3272	-2.74819	0.006637	0.216504
	0.194357	2.748736	0.006626	0.216324
CYP1B1-AS1	-0.31985	-2.74763	0.006647	0.216572
	0.206112	2.745956	0.00668	0.216855
	-0.17804	-2.74087	0.00678	0.217631
NOTCH4	-0.25131	-2.74939	0.006613	0.216181
	-0.33358	-2.74759	0.006648	0.216572
	0.240882	2.748388	0.006633	0.216425
DNAJC16;KAZN;FHAD1;HSPB7;RSG1;FBLIM1;DDI2;ENSG00000228140;NECAP2	-0.33775	-2.74947	0.006612	0.216181
	0.281718	2.746227	0.006675	0.216851
	-0.32713	-2.74694	0.006661	0.21667
MEGF10;LMNB1;MARCH3	-0.55913	-2.74874	0.006626	0.216324
	-0.23075	-2.74681	0.006663	0.21668
ZBP1	-0.22993	-2.74485	0.006701	0.216949
	0.291796	2.746492	0.006669	0.216752
TTLL1;MCAT	-0.33983	-2.7477	0.006646	0.216571
	-0.40107	-2.74861	0.006628	0.216337
BAIAP2	0.344326	2.747585	0.006648	0.216572
	0.567246	2.746133	0.006676	0.216851
	0.200119	2.746866	0.006662	0.21667
	-0.20016	-2.74718	0.006656	0.216626
	-0.23895	-2.74713	0.006657	0.216627
LRTOMT;SHANK2;PDE2A;FCHSD2;NUMA1;STARD10	-0.30925	-2.7475	0.00665	0.216597
ZFYVE28	-0.37002	-2.74875	0.006626	0.216324
	-0.412	-2.74686	0.006662	0.21667
ENSG00000184566	0.391837	2.748949	0.006622	0.216305
	-0.24869	-2.74557	0.006688	0.216877
	0.322604	2.748028	0.00664	0.216525
	0.301491	2.745365	0.006691	0.216901
PCDH12;SPRY4;PCDHGA12;PCDHGC5;ARAP3;PCDHGB6;PCDHGA4;PCDHGA2;PCDHAC1;PCDHGB8P;PCDHGB2;PCDHB19P;PCDHGA11;HDAC3;PCDHGA9;PCDHB9;ENSG00000271871;PCDHGA6;PCDHGC4;PCDHB15;PCDHGA5;PCDHGC3;PCDHGA8;PCDHB10;PCDHB18;PCDHGB3;PCDHGA10;PCDHB12;TAF7	-0.44683	-2.74672	0.006665	0.216706
	0.347422	2.745636	0.006686	0.216862
TMTC1	0.34664	2.747185	0.006656	0.216626
	0.390908	2.747247	0.006655	0.216626
	-0.21111	-2.74539	0.006691	0.216901
	-0.26832	-2.74722	0.006655	0.216626
	0.386745	2.748821	0.006624	0.216322
	-0.26101	-2.74749	0.00665	0.216597
TULP3;CACNA1C;PRMT8;FKBP4	-0.24703	-2.7472	0.006656	0.216626
	0.184595	2.743987	0.006718	0.217172
	-0.18082	-2.74787	0.006643	0.216539
	0.252784	2.743411	0.00673	0.21727

	0.233481	2.746581	0.006668	0.216741
ZNF347	-0.24814	-2.74801	0.00664	0.216525
	0.289793	2.744902	0.0067	0.216949
PARP15;PARP14;PARP9	0.309113	2.747429	0.006651	0.216612
	0.266733	2.74676	0.006664	0.216697
PFDN6	0.256063	2.747063	0.006658	0.216655
ENSG00000265845	-0.23782	-2.74587	0.006682	0.216862
	-0.27468	-2.74405	0.006717	0.217172
	-0.276	-2.74417	0.006715	0.217172
	-0.3039	-2.74486	0.006701	0.216949
PRDX5;NRXN2;PLA2G16;PPP2R5B;STIP1;RASGRP2;HRASLS2;TM7SF2;MAP4K2;CCDC88B;ZNHIT2	-0.31736	-2.74693	0.006661	0.21667
	0.325706	2.746951	0.006661	0.21667
	0.158595	2.745656	0.006686	0.216862
ADCY4;IPO4;CDH24	0.212073	2.743159	0.006735	0.217294
	-0.16464	-2.74595	0.00668	0.216855
	-0.23946	-2.74762	0.006648	0.216572
	-0.24969	-2.74444	0.00671	0.217103
	-0.25591	-2.74584	0.006682	0.216862
	-0.24984	-2.74536	0.006692	0.216901
	0.175389	2.746639	0.006667	0.216724
	0.25817	2.74508	0.006697	0.216949
	-0.49588	-2.7453	0.006693	0.216906
INPP5A;ECHS1;TUBGCP2	-0.40171	-2.74535	0.006692	0.216901
	0.240238	2.745011	0.006698	0.216949
UNC79;FAM181A-AS1;C14orf142	-0.29538	-2.74528	0.006693	0.216906
	0.233795	2.744958	0.006699	0.216949
	0.360641	2.746048	0.006678	0.216851
	0.322581	2.74084	0.00678	0.217631
	-0.27252	-2.74717	0.006656	0.216626
	-0.40472	-2.74615	0.006676	0.216851
	-0.2837	-2.74637	0.006672	0.216798
PKP3	-0.30149	-2.74535	0.006692	0.216901
ATF7IP	-0.31707	-2.74597	0.00668	0.216855
	-0.39428	-2.74742	0.006652	0.216612
	0.308557	2.745363	0.006691	0.216901
ZHX2	-0.35183	-2.74516	0.006695	0.216949
	0.227134	2.739884	0.006799	0.217808
	0.35084	2.744063	0.006717	0.217172
	0.30618	2.745629	0.006686	0.216862
CEP68;SPRED2	0.361705	2.743948	0.006719	0.217172
	0.30904	2.743984	0.006718	0.217172
FCHSD2;ARAP1	-0.38259	-2.74668	0.006666	0.216718
	-0.31278	-2.74652	0.006669	0.21675
MDH1	0.260418	2.745672	0.006685	0.216862
SNORA60	0.185303	2.744913	0.0067	0.216949
	-0.36065	-2.74378	0.006722	0.217203

	0.16262	2.745105	0.006697	0.216949
	-0.27409	-2.74632	0.006673	0.216813
USP2-				
AS1;ENSG00000254561;PDZD3;C2CD2L;USP2;ENSG000002545				
90;CCDC153;CBL;OAF;PVRL1;ARHGEF12;MCAM	-0.31602	-2.74606	0.006678	0.216851
	0.390123	2.74656	0.006668	0.216741
	0.27108	2.745695	0.006685	0.216862
	0.256748	2.744112	0.006716	0.217172
SMO;LRRC4	-0.28767	-2.74492	0.0067	0.216949
	-0.2823	-2.74561	0.006687	0.216862
	0.142038	2.741867	0.00676	0.217421
	0.325738	2.746162	0.006676	0.216851
RNU1-4;RNU1-2	-0.25894	-2.74501	0.006698	0.216949
	0.30903	2.744885	0.006701	0.216949
PSMB8;LSM2	0.19867	2.744709	0.006704	0.217007
	0.219248	2.743842	0.006721	0.217203
HCP5;HLA-B;HLA-DRA;HSPA1A;LTB;PPP1R10;HLA-				
C;MICB;HSPA1B	0.358281	2.745652	0.006686	0.216862
	0.194542	2.742266	0.006752	0.217306
	0.342508	2.741298	0.006771	0.217575
	0.265105	2.744427	0.00671	0.217103
	-0.43162	-2.74561	0.006687	0.216862
	0.258114	2.743819	0.006722	0.217203
HECTD2	-0.40757	-2.74257	0.006746	0.217301
	-0.36213	-2.74464	0.006706	0.21702
	-0.3128	-2.74414	0.006715	0.217172
	-0.36975	-2.74409	0.006716	0.217172
	-0.32142	-2.74637	0.006672	0.216798
ENSG00000267107	-0.33128	-2.7441	0.006716	0.217172
	0.26644	2.744636	0.006706	0.21702
	0.371905	2.744155	0.006715	0.217172
DHRS3	-0.21757	-2.7415	0.006767	0.217539
MYOZ3;PDGFRB;ANXA6;SYNPO;HMGXB3;NDST1	-0.423	-2.74298	0.006738	0.217301
	0.23728	2.746118	0.006677	0.216851
	0.487462	2.742301	0.006751	0.217301
	-0.38064	-2.74494	0.0067	0.216949
	0.323097	2.743141	0.006735	0.217294
	0.296175	2.743681	0.006724	0.217203
	0.308289	2.743578	0.006726	0.217214
PPIAP29	-0.32288	-2.74187	0.00676	0.217421
	0.297023	2.742427	0.006749	0.217301
	0.320401	2.741824	0.006761	0.217421
MYO7A	-0.30489	-2.74128	0.006772	0.217575
	-1.07301	-2.74594	0.00668	0.216855
	0.182031	2.74104	0.006776	0.21762
	0.289126	2.743516	0.006728	0.217227
	-0.354	-2.74536	0.006691	0.216901

	0.179096	2.743717	0.006724	0.217203
	0.254307	2.745657	0.006686	0.216862
TPST1;INTS4L2	-0.40705	-2.74393	0.00672	0.217172
ENSG00000267056	0.28809	2.741834	0.006761	0.217421
BRD9	0.293114	2.742624	0.006745	0.217301
WDTC1	-0.26405	-2.741	0.006777	0.21762
	0.311803	2.741435	0.006769	0.217539
	0.137761	2.743216	0.006733	0.217294
HPSE2;RRP12;MARVELD1;FRAT2;FRAT1	-0.43772	-2.74362	0.006726	0.217203
SGCD	0.316858	2.742452	0.006749	0.217301
ABI3	-0.21362	-2.74298	0.006738	0.217301
	0.249258	2.742337	0.006751	0.217301
	-0.42195	-2.74209	0.006756	0.217368
EBF3	0.296072	2.742335	0.006751	0.217301
	0.259195	2.738375	0.006829	0.217995
	-0.17754	-2.74298	0.006738	0.217301
	0.264818	2.74284	0.006741	0.217301
TRAC;SLC7A7;RBM23	-0.4461	-2.74403	0.006718	0.217172
SLC35B1;LRRC59	0.240782	2.743634	0.006725	0.217203
TARSL2	0.286436	2.744773	0.006703	0.216983
	0.233785	2.743365	0.006731	0.217283
ZNF559;ADAMTS10;KANK3;ZNF358;CD320	0.264031	2.740285	0.006791	0.217676
	0.196731	2.740789	0.006781	0.217631
	0.267568	2.74238	0.00675	0.217301
ENSG00000257176	-0.15775	-2.741	0.006777	0.21762
WBSR22;ABHD11;CLDN4;CLIP2;LINC00035;LAT2	-0.39452	-2.74051	0.006787	0.217631
	-0.32781	-2.74351	0.006728	0.217227
DGKE;C17orf67	-0.34557	-2.74514	0.006696	0.216949
	0.330475	2.740611	0.006785	0.217631
	0.365482	2.74377	0.006723	0.217203
	0.214506	2.738729	0.006822	0.217995
ENSG00000268575;ENSG00000227775	0.34035	2.741806	0.006761	0.217421
	0.337694	2.74144	0.006768	0.217539
	0.243181	2.74109	0.006775	0.217617
	0.372993	2.742899	0.00674	0.217301
	0.302084	2.739859	0.0068	0.217808
	-0.23807	-2.74279	0.006742	0.217301
IRX5	0.329828	2.743254	0.006733	0.217294
	-0.21114	-2.74319	0.006734	0.217294
REV3L;FYN	-0.22626	-2.74235	0.00675	0.217301
THSD1	-0.30689	-2.74431	0.006712	0.217163
CAPG	-0.22642	-2.74148	0.006768	0.217539
	-0.24297	-2.74393	0.006719	0.217172
TTC26;JHDM1D-AS1	-0.37451	-2.74233	0.006751	0.217301
	-0.24256	-2.7422	0.006753	0.217315
ENSG00000269896;CEP104;SKI;MORN1;MEGF6;TTC34;FAM213B;ENSG00000271847;DFFB;LINC01134	-0.26422	-2.74451	0.006708	0.217087

IL32;TPSB2;CCDC64B;ENSG00000205890;TPSAB1;TPSD1	0.31911	2.743217	0.006733	0.217294
	-0.2055	-2.74109	0.006775	0.217617
	-0.25987	-2.74115	0.006774	0.217617
	-0.24924	-2.74252	0.006747	0.217301
POLR2K	0.392328	2.742727	0.006743	0.217301
	-0.35069	-2.74032	0.006791	0.217676
	-0.22019	-2.74333	0.006731	0.217286
	-0.3439	-2.74267	0.006744	0.217301
RNF223	-0.24692	-2.743	0.006738	0.217301
	0.26818	2.742559	0.006746	0.217301
	-0.24273	-2.74282	0.006741	0.217301
	0.122933	2.742242	0.006753	0.217306
CTBP2;LHPP;BCCIP;OAT;DHX32	0.29465	2.738929	0.006818	0.217995
	0.276526	2.740559	0.006786	0.217631
	-0.20345	-2.74187	0.00676	0.217421
	0.328461	2.741753	0.006762	0.217421
BOC;GTPBP8	0.32421	2.743225	0.006733	0.217294
	-0.29674	-2.74237	0.00675	0.217301
	-0.33387	-2.74294	0.006739	0.217301
	-0.37179	-2.74362	0.006726	0.217203
RNF166;CBFA2T3;PIEZO1;ENSG00000259881;ENSG00000261226;KLHDC4;ENSG00000224888;SNAI3	-0.20767	-2.73863	0.006824	0.217995
	0.276496	2.73948	0.006807	0.217864
	0.157472	2.742702	0.006744	0.217301
	0.286108	2.741316	0.006771	0.217575
OGFOD2	-0.19698	-2.74054	0.006786	0.217631
	-0.25764	-2.74263	0.006745	0.217301
	0.209779	2.739241	0.006812	0.217947
	0.151425	2.742451	0.006749	0.217301
TMCO3;TMEM255B;GAS6;ADPRHL1;CDC16;DCUN1D2;PCID2;T	0.303595	2.743661	0.006725	0.217203
	-0.18093	-2.73958	0.006805	0.217846
	0.202948	2.740551	0.006786	0.217631
	-0.3828	-2.73959	0.006805	0.217846
ST3GAL2;IL34;CDH1;SNTB2;ENSG00000261777;NQO1	-0.30989	-2.74076	0.006782	0.217631
	0.259321	2.740582	0.006785	0.217631
	-0.36807	-2.74234	0.006751	0.217301
	-0.27315	-2.74238	0.00675	0.217301
STXBP4	0.24355	2.741798	0.006761	0.217421
	-0.37021	-2.74048	0.006787	0.217631
	0.171388	2.741676	0.006764	0.217452
	0.244341	2.741751	0.006762	0.217421
	0.289968	2.741788	0.006762	0.217421
	-0.18309	-2.7425	0.006748	0.217301
	0.153987	2.739878	0.006799	0.217808
	-0.31456	-2.74047	0.006788	0.217631
	0.352549	2.740473	0.006788	0.217631



	-0.2263	-2.74028	0.006791	0.217676
OAS1	-0.32591	-2.7399	0.006799	0.217808
HLA-DOA	-0.39993	-2.74294	0.006739	0.217301
	0.393326	2.739959	0.006798	0.217808
CCM2L	0.252567	2.740646	0.006784	0.217631
CWC15	0.241379	2.739808	0.006801	0.217808
	0.172004	2.742325	0.006751	0.217301
	0.362335	2.739752	0.006802	0.217808
ENSG00000245466	-0.34299	-2.7404	0.006789	0.217656
	-0.24041	-2.73841	0.006828	0.217995
	-0.29226	-2.73855	0.006826	0.217995
	0.431495	2.741168	0.006774	0.217617
R3HDM4;HMHA1;CDC34	-0.291	-2.73846	0.006827	0.217995
	-0.52099	-2.73996	0.006798	0.217808
GIMAP5;GIMAP2;GIMAP7;GIMAP8;ATG9B;GIMAP4;GIMAP6;T MEM176A;GIMAP1;TMEM176B	-0.50653	-2.74085	0.00678	0.217631
	-0.24317	-2.73956	0.006806	0.217846
PIEZO1;GAS8;ENSG00000260259	-0.34056	-2.74136	0.00677	0.217573
KRT80;KRT7;TENC1;GRASP;ACVRL1	-0.20513	-2.74027	0.006792	0.217676
	0.345956	2.73742	0.006848	0.21817
	-0.35215	-2.738	0.006837	0.218086
	0.315507	2.737579	0.006845	0.21817
	-0.36381	-2.74061	0.006785	0.217631
TDRD10;SHE;JTB	0.313375	2.736981	0.006857	0.218193
	-0.36073	-2.73874	0.006822	0.217995
TNNT3	0.285666	2.738448	0.006828	0.217995
CTTN	0.197557	2.739149	0.006814	0.217947
	-0.2676	-2.73928	0.006811	0.217947
	0.217673	2.74075	0.006782	0.217631
	-0.34813	-2.74108	0.006776	0.217617
	0.291965	2.738816	0.00682	0.217995
	0.201059	2.738468	0.006827	0.217995
HES1	-0.29599	-2.73586	0.006879	0.218387
	-0.2147	-2.73912	0.006814	0.217947
	0.310802	2.738757	0.006822	0.217995
	0.239364	2.738099	0.006835	0.218086
	0.282004	2.738037	0.006836	0.218086
DALRD3;P4HTM;DHX30;PRKAR2A;NME6;MAP4;KIF9;PRKAR2A- AS1;LAMB2;FCF1P2;NDUF3;CSPG5	-0.48154	-2.74053	0.006786	0.217631
	0.23799	2.739963	0.006798	0.217808
	0.25557	2.739133	0.006814	0.217947
KIAA1841;BCL11A;ENSG00000233953;PAPOLG	-0.25148	-2.73852	0.006826	0.217995
CASZ1;AGTRAP	-0.28754	-2.74089	0.006779	0.217631
	0.330767	2.737735	0.006842	0.21817
FGFR4	-0.27171	-2.73753	0.006846	0.21817
TUBA4A	-0.21464	-2.73718	0.006853	0.218193
	0.373899	2.738031	0.006836	0.218086

ENSG00000242428	-0.2656	-2.73973	0.006802	0.217808
	-0.43662	-2.73794	0.006838	0.218108
	-0.42186	-2.73969	0.006803	0.21781
	-0.24785	-2.73855	0.006826	0.217995
PAN2	0.28976	2.737753	0.006841	0.21817
	-0.34718	-2.73523	0.006892	0.218532
	0.276626	2.738994	0.006817	0.217993
	-0.30609	-2.73858	0.006825	0.217995
RAD51AP1	0.166338	2.738152	0.006834	0.218086
	0.307754	2.740796	0.006781	0.217631
	0.172441	2.739735	0.006802	0.217808
	-0.1757	-2.73889	0.006819	0.217995
DNM1;CERCAM;COQ4;FNBP1	0.133181	2.735889	0.006879	0.218387
	-0.28377	-2.7392	0.006813	0.217947
	0.341682	2.733575	0.006925	0.218825
	-0.32853	-2.73926	0.006811	0.217947
ANKRD54;FAM227A	-0.30512	-2.73731	0.00685	0.21817
	0.286474	2.739092	0.006815	0.217947
	-0.27603	-2.73788	0.006839	0.218111
	-0.34014	-2.7377	0.006843	0.21817
FBXO6;AGTRAP	-0.30912	-2.73511	0.006894	0.21854
	-0.32429	-2.73868	0.006823	0.217995
	-0.41237	-2.73761	0.006844	0.21817
	-0.26205	-2.73686	0.006859	0.218193
C12orf73	-0.47554	-2.73698	0.006857	0.218193
	-0.37255	-2.73638	0.006869	0.218329
	-0.36872	-2.7381	0.006835	0.218086
	0.341771	2.739528	0.006806	0.21785
SPEG;WNT6;DES;TUBA4A	0.229234	2.737254	0.006851	0.218186
	0.290347	2.738106	0.006834	0.218086
	-0.31444	-2.73688	0.006859	0.218193
	0.278963	2.737426	0.006848	0.21817
RNF166;PIEZO1;CBFA2T3;ENSG00000260923	-0.33056	-2.73615	0.006874	0.218386
	0.2842	2.737536	0.006846	0.21817
	-0.34191	-2.73978	0.006801	0.217808
	0.221306	2.739723	0.006802	0.217808
DYNLT1;RSPH3;EZR;TMEM181				
PITPNC1;ENSG00000267731;C17orf58				
MEI1;ACO2;CENPM;SLC25A17				
PRIMA1				
ITPR2;SSPN				
ENSG00000258752				
NOVA2;EXOC3L2;ENSG00000267348;GIPR;PTGIR;ERCC1;HIF3A				
;RELB;DACT3;MARK4;PPP5C;PPM1N;MYPOP;GEMIN7;PPP1R13				
L	-0.41176	-2.73636	0.006869	0.218329
	0.219055	2.737144	0.006854	0.218193
	0.262072	2.735918	0.006878	0.218387
	0.254119	2.739162	0.006814	0.217947
	-0.38964	-2.73743	0.006848	0.21817
	-0.19129	-2.737	0.006856	0.218193
	0.212524	2.737646	0.006844	0.21817
	-0.23879	-2.73529	0.006891	0.218532
	0.295669	2.736696	0.006863	0.218215

	0.392983	2.738806	0.006821	0.217995
	0.244004	2.737324	0.00685	0.21817
	-0.14297	-2.73704	0.006856	0.218193
	0.269904	2.738483	0.006827	0.217995
	-0.18323	-2.73764	0.006844	0.21817
SLCO4A1;C20orf166-AS1;CABLES2	0.321482	2.738012	0.006836	0.218086
	0.178264	2.738408	0.006828	0.217995
RPP25	0.339905	2.738702	0.006823	0.217995
	-0.25264	-2.73694	0.006858	0.218193
PDLIM4;ACSL6;ENSG00000234290;P4HA2;C5orf56;SOWAHA;U				
QCRQ	0.279473	2.735838	0.00688	0.218387
	-0.26761	-2.73683	0.00686	0.218193
ENSG00000172974;AFTPH	-0.38112	-2.7367	0.006863	0.218215
	0.254201	2.736368	0.006869	0.218329
	0.72246	2.739097	0.006815	0.217947
	0.224836	2.738607	0.006825	0.217995
	0.343539	2.73623	0.006872	0.218365
	0.231246	2.738188	0.006833	0.218086
ENSG00000252778;STK33	-0.31584	-2.7354	0.006888	0.218532
	-0.37076	-2.73881	0.00682	0.217995
	0.270381	2.736926	0.006858	0.218193
	0.17788	2.735064	0.006895	0.21854
	-0.27497	-2.73737	0.006849	0.21817
	0.309709	2.736732	0.006862	0.218215
	0.221171	2.734613	0.006904	0.218611
GLRX3	-0.25567	-2.73448	0.006907	0.218649
	0.400569	2.738384	0.006829	0.217995
	0.317691	2.736559	0.006865	0.21827
BNIP1	-0.26742	-2.7373	0.00685	0.21817
	-0.21622	-2.73401	0.006916	0.218739
	-0.27257	-2.73584	0.00688	0.218387
LSM2;RNF5;CLIC1	0.199131	2.73657	0.006865	0.21827
LAMB2;MAP4;PRKAR2A-AS1	-0.21876	-2.73525	0.006891	0.218532
ADCY7;ZNF423;SNX20	-0.29348	-2.7346	0.006905	0.218611
	0.262944	2.734396	0.006909	0.218665
	0.228088	2.735597	0.006885	0.218443
CARD8;SEPW1	0.381938	2.73699	0.006857	0.218193
YIF1A	-0.28483	-2.73634	0.00687	0.218329
	-0.24226	-2.73748	0.006847	0.21817
	-0.23702	-2.73557	0.006885	0.218444
SENP7;IMPG2	-0.33332	-2.73791	0.006838	0.21811
	-0.30852	-2.7352	0.006893	0.218534
	0.279439	2.732669	0.006943	0.21898
	0.32943	2.736146	0.006874	0.218386
	0.144309	2.734963	0.006897	0.21854
	0.187113	2.735683	0.006883	0.218421
	0.324234	2.734145	0.006914	0.218734

LRRC59	0.260382	2.736282	0.006871	0.218348
	-0.22491	-2.73474	0.006902	0.218611
KIAA1009;UBE3D	-0.41503	-2.73672	0.006862	0.218215
	0.234498	2.734669	0.006903	0.218611
SLC44A4;NOTCH4;TNXB;C6orf25;DDR1;FKBPL;CLIC1	0.271511	2.734652	0.006903	0.218611
	-0.34032	-2.73606	0.006875	0.218387
SOX18	0.263704	2.737361	0.006849	0.21817
PARD6B;BCAS4;MOCS3;SNAI1	-0.24402	-2.73523	0.006892	0.218532
	-0.19848	-2.7347	0.006902	0.218611
NALCN;TM9SF2;TMTC4	-0.26607	-2.73473	0.006902	0.218611
	0.370069	2.735771	0.006881	0.218403
	-0.26901	-2.73459	0.006905	0.218611
	0.208246	2.73366	0.006923	0.218812
	-0.26292	-2.73496	0.006897	0.21854
	0.289505	2.735736	0.006882	0.218403
HSPA1A;HNRNPA1P2	0.207447	2.732405	0.006949	0.218998
PLCG1;ZHX3	-0.39494	-2.73653	0.006866	0.218271
	0.205389	2.736001	0.006876	0.218387
	0.275126	2.736904	0.006858	0.218193
	0.256255	2.736839	0.00686	0.218193
	0.249607	2.735163	0.006893	0.21854
	0.268096	2.735599	0.006885	0.218443
	0.363557	2.735057	0.006895	0.21854
	-0.15171	-2.73377	0.006921	0.218812
	0.387328	2.735762	0.006881	0.218403
	-0.25889	-2.73601	0.006876	0.218387
MYO9B;USHBP1;NR2F6	0.216058	2.735357	0.006889	0.218532
	-0.2164	-2.73453	0.006906	0.218635
	0.216038	2.734221	0.006912	0.218718
	-0.30092	-2.73734	0.00685	0.21817
ALS2CR11	-0.41672	-2.73598	0.006877	0.218387
TSPAN4;ENSG00000251661	0.348832	2.733677	0.006923	0.218812
	0.311497	2.737055	0.006855	0.218193
	-0.19478	-2.73215	0.006954	0.219082
	-0.22816	-2.73597	0.006877	0.218387
	0.332429	2.735335	0.00689	0.218532
	0.200244	2.736061	0.006875	0.218387
	-0.23219	-2.73585	0.00688	0.218387
	0.36745	2.732538	0.006946	0.218987
HIST1H4C	0.303822	2.735068	0.006895	0.21854
	0.402175	2.736935	0.006858	0.218193
	0.222174	2.734981	0.006897	0.21854
NUDT19	0.217025	2.733715	0.006922	0.218812
RASSF4	0.350739	2.735254	0.006891	0.218532
	-0.28623	-2.73438	0.006909	0.218665
	-0.18016	-2.73267	0.006943	0.21898
	0.41733	2.734993	0.006897	0.21854

SYNGR2	0.3042	2.734695	0.006903	0.218611
GFM2;FAM169A;ARHGEF28	-0.37924	-2.73357	0.006925	0.218825
	0.288587	2.731943	0.006958	0.219116
	-0.41801	-2.73405	0.006916	0.218739
THUMPD3	0.304345	2.733369	0.006929	0.218904
CAPN9;ENSG00000244137;GNPAT;SPRTN;COG2	-0.40377	-2.73289	0.006939	0.218953
	-0.19125	-2.73425	0.006912	0.218715
CD300LF	-0.33054	-2.73373	0.006922	0.218812
ARHGEF1	-0.18212	-2.73411	0.006914	0.218739
	0.351586	2.73401	0.006916	0.218739
	0.312432	2.733312	0.00693	0.218924
LY6G5C;SLC44A4;C6orf10;VWA7;TCF19;TNXB;NOTCH4;NELFE;E				
NSG00000225914;C6orf47;CCHCR1;HSPA1L;HSPA1A;ENSG000				
00272221	-0.29696	-2.732	0.006957	0.219099
	-0.37571	-2.73301	0.006937	0.218953
SPIRE2;RNF166;SNAI3	0.426399	2.732805	0.006941	0.218971
	0.263305	2.732332	0.00695	0.218998
	0.245508	2.733425	0.006928	0.218884
	0.291485	2.733687	0.006923	0.218812
	0.368313	2.732509	0.006947	0.218987
LDB2	-0.48454	-2.73415	0.006914	0.218734
FCHSD2;RELT;P2RY6	0.330605	2.734385	0.006909	0.218665
DIP2C;PRR26;IDI1;GTPBP4	-0.40921	-2.73491	0.006898	0.218555
	0.275954	2.733688	0.006923	0.218812
	0.279601	2.733017	0.006936	0.218953
	-0.19273	-2.73173	0.006962	0.219186
SURF6	-0.24419	-2.73326	0.006932	0.218943
CTNNA1;SNORA74A	0.428646	2.732846	0.00694	0.218962
HNRNPU-AS1	0.229935	2.734044	0.006916	0.218739
	0.315204	2.733183	0.006933	0.218947
KIF9-AS1	-0.21805	-2.73386	0.006919	0.218812
	0.210915	2.732574	0.006945	0.218987
SUN1;PSMG3;ENSG00000240859;GPR146;MAD1L1;PRKAR1B	-0.34778	-2.73083	0.006981	0.21957
	0.31815	2.733641	0.006924	0.218812
ZNF736	0.262899	2.732615	0.006945	0.21898
	0.290641	2.732885	0.006939	0.218953
UBXN10;CAMK2N1;AKR7A2;NBL1;UBXN10-AS1;PLA2G5	-0.44409	-2.73432	0.00691	0.218689
	0.30934	2.732686	0.006943	0.21898
	0.228932	2.733227	0.006932	0.218945
ENSG00000249574;PDGFA;PSMG3;ELFN1	0.412263	2.730946	0.006978	0.21957
MRPL21	-0.21725	-2.73317	0.006933	0.218947
	-0.37219	-2.73312	0.006934	0.218949
	-0.26418	-2.73249	0.006947	0.218987
PIGP	0.240914	2.732474	0.006947	0.218987
STX18;SH3BP2	-0.50912	-2.73202	0.006956	0.219097
	0.329225	2.731803	0.006961	0.219157

	0.223698	2.730109	0.006995	0.219704
	-0.32137	-2.73182	0.00696	0.219157
	-0.31026	-2.73204	0.006956	0.219097
PEX6	-0.40447	-2.73289	0.006939	0.218953
	-0.36527	-2.73344	0.006928	0.218884
	-0.3147	-2.73302	0.006936	0.218953
	-0.19416	-2.73314	0.006934	0.218949
ETF1P2	0.284824	2.731441	0.006968	0.219355
KRR1P1	0.328376	2.733747	0.006922	0.218812
	0.444241	2.732227	0.006952	0.219049
	0.447118	2.730868	0.00698	0.21957
	-0.23006	-2.73261	0.006944	0.21898
	0.311062	2.732934	0.006938	0.218953
C22orf34	-0.34557	-2.73294	0.006938	0.218953
	-0.27284	-2.73245	0.006948	0.218987
LAT2;NCF1	-0.30359	-2.73237	0.006949	0.218998
TRAF1;GGTA1P;NDUFA8;GSN;RAB14	-0.3924	-2.73309	0.006935	0.218949
	0.226691	2.728947	0.007019	0.220052
TSPAN4;TALDO1	0.265154	2.72976	0.007002	0.219764
RSPH3;C6orf99;ENSG00000213076;SLC22A3	0.358522	2.732636	0.006944	0.21898
	-0.29927	-2.73071	0.006983	0.219593
	-0.29553	-2.72865	0.007025	0.220052
	-0.24563	-2.72844	0.007029	0.220125
ENSG00000261744;ZFPM1	-0.32008	-2.73033	0.006991	0.21966
	0.145149	2.732042	0.006956	0.219097
C16orf71;CDIP1;CORO7;SMIM22;SRL	-0.40838	-2.73063	0.006985	0.219621
	-0.2538	-2.73234	0.00695	0.218998
SRI;ABCB1;TP53TG1;RUNDC3B;ABCB4;KIAA1324L	-0.42558	-2.73062	0.006985	0.219621
RPS13	-0.18724	-2.72927	0.007012	0.219968
CCM2L;BPIFB1	0.284906	2.730888	0.006979	0.21957
HLA-A	-0.23513	-2.72923	0.007013	0.219968
ERO1L	0.328855	2.730162	0.006994	0.219686
	0.268326	2.732653	0.006944	0.21898
CDK7;CCDC125;SLC30A5;ENSG00000250237	0.27896	2.730001	0.006997	0.219741
RELT	-0.29961	-2.72971	0.007003	0.219764
	-0.27877	-2.72887	0.007021	0.220052
	-0.15788	-2.72604	0.007078	0.220487
	-0.2567	-2.72918	0.007014	0.219968
PRKCDBP	-0.16236	-2.73023	0.006993	0.219686
	-0.2093	-2.73018	0.006994	0.219686
	0.322493	2.732088	0.006955	0.219097
	0.168022	2.729399	0.00701	0.219915
RUVBL1;COPG1;GATA2;RPN1	-0.32188	-2.73181	0.006961	0.219157
	-0.38459	-2.73043	0.006989	0.21966
	-0.18294	-2.73124	0.006972	0.219465
	-0.31206	-2.72792	0.00704	0.220243
	0.205751	2.730075	0.006996	0.21971

	-0.34909	-2.72978	0.007002	0.219764
	-0.14879	-2.72877	0.007023	0.220052
	-0.14337	-2.7288	0.007022	0.220052
	-0.15416	-2.73051	0.006987	0.219652
VIMP	0.370461	2.73109	0.006975	0.219531
	-0.21393	-2.73079	0.006981	0.219574
	-0.41302	-2.73042	0.006989	0.21966
	0.394302	2.730963	0.006978	0.21957
	-0.37475	-2.73122	0.006973	0.219465
MLK7-AS1	0.345664	2.730984	0.006977	0.21957
	0.193199	2.730374	0.00699	0.21966
	0.229281	2.730352	0.00699	0.21966
	-0.19595	-2.73084	0.00698	0.21957
	0.306289	2.729078	0.007016	0.220003
TRNP1;RCC1;TRNAU1AP;SNHG3;ATPIF1	-0.48999	-2.7279	0.00704	0.220243
MFNG;APOBEC3G	-0.32434	-2.73049	0.006987	0.219652
	0.257703	2.728672	0.007024	0.220052
	-0.15488	-2.7278	0.007042	0.220248
C15orf26	0.234098	2.730769	0.006982	0.219574
	0.24781	2.730334	0.006991	0.21966
	0.221707	2.728811	0.007022	0.220052
RGS13	0.415059	2.72923	0.007013	0.219968
	-0.21705	-2.72765	0.007045	0.220256
KLHDC7A	0.196553	2.727853	0.007041	0.220248
FAM198A;ZBTB47;ZNF662;TRAK1	0.481455	2.730164	0.006994	0.219686
	0.319814	2.729717	0.007003	0.219764
	-0.27234	-2.72872	0.007024	0.220052
	0.240233	2.729878	0.007	0.219757
KBTBD4;C11orf49;PTPRJ;NDUFS3;SPI1	-0.27642	-2.72757	0.007047	0.22028
DNAJC16;ARHGEF19	-0.33311	-2.72601	0.007079	0.220487
	-0.2993	-2.72383	0.007124	0.220854
CPNE5;PI16;FGD2;RNF8;PPIL1;CDKN1A	-0.32637	-2.7263	0.007073	0.220487
	-0.16092	-2.72774	0.007043	0.220248
SCARNA10;MRPL51	-0.26389	-2.7303	0.006991	0.21966
	-0.25983	-2.72873	0.007023	0.220052
RHPN2;LRP3;TSHZ3	0.305146	2.727384	0.007051	0.220318
KIF3A;SLC22A4;P4HA2;PDLIM4;GDF9;SEPT8;HSPA4	-0.22896	-2.72885	0.007021	0.220052
	0.244673	2.727677	0.007045	0.220256
	0.31377	2.72813	0.007036	0.220194
FAM92B;USP10;ENSG00000262601;C16orf74	-0.32494	-2.7298	0.007001	0.219764
SHH	-0.29878	-2.72882	0.007021	0.220052
	-0.30605	-2.72991	0.006999	0.219757
	-0.34988	-2.73084	0.00698	0.21957
PPP1R18;GABBR1;DDR1;NRM;PPP1R10;MDC1	-0.30299	-2.72792	0.00704	0.220243
	-0.18304	-2.72863	0.007025	0.220052
	0.2055	2.729536	0.007007	0.219851
PRR5L	0.250957	2.729874	0.007	0.219757

	-0.1623	-2.72736	0.007051	0.220318
	-0.35337	-2.72723	0.007054	0.220335
	0.381239	2.729928	0.006999	0.219757
STAB1	-0.33102	-2.72917	0.007014	0.219968
ENSG00000237234;ENSG00000270661;LAMA4;ENSG00000226440;GTF3C6;SLC16A10	0.329376	2.726372	0.007072	0.220487
ZNF334	-0.30646	-2.72713	0.007056	0.220347
TNFAIP8L1;CATSPERD;HSD11B1L;PTPRS;ZFR2;LRG1;SEMA6B;ANKRD24;C19orf70;SH3GL1	-0.29898	-2.72479	0.007104	0.22068
SUN1;HEATR2;FAM20C;PDGFA;PRKAR1B	-0.47926	-2.72974	0.007003	0.219764
	0.243608	2.727248	0.007054	0.220335
PLXDC1;SRCIN1;ARHGAP23	-0.30062	-2.72624	0.007074	0.220487
APOL3;MFNG;CSF2RB	-0.33581	-2.73052	0.006987	0.219652
PGD;TMEM201;APITD1;ANGPTL7;PIK3CD;UBE4B	-0.39462	-2.72598	0.007079	0.220487
	0.271485	2.724859	0.007103	0.220678
	0.338214	2.724283	0.007115	0.220738
	0.256181	2.727282	0.007053	0.220335
AES;GNA11;ZNF57	-0.41094	-2.72703	0.007058	0.220398
ENSG00000261664	0.239954	2.728158	0.007035	0.220194
	0.243814	2.728391	0.00703	0.22014
PIGV;ATPIF1	-0.31401	-2.72819	0.007034	0.220194
	-0.20441	-2.72661	0.007067	0.220475
	-0.27905	-2.72953	0.007007	0.219851
	0.278828	2.728161	0.007035	0.220194
CCDC78;NHLRC4;METRN;ENSG00000261659;HAGHL;ENSG0000196674;WDR90;RHBDF1;PIGQ;SOX8;NME4;HBA2;WDR24;RGS11;HBA1;SNRNP25;CHTF18;MSLN;ENSG00000260807	-0.34473	-2.72621	0.007075	0.220487
TM9SF2;FARP1	0.239713	2.72917	0.007014	0.219968
	0.292213	2.728491	0.007028	0.220124
	0.321901	2.728146	0.007035	0.220194
MT2A	-0.27092	-2.72642	0.00707	0.220487
	-0.44901	-2.72806	0.007037	0.220224
	0.150469	2.72178	0.007166	0.221161
	-0.35503	-2.72675	0.007064	0.220475
ISLR	-0.44453	-2.72488	0.007102	0.220678
B4GALT4	0.322917	2.726828	0.007062	0.220473
	-0.26235	-2.7247	0.007106	0.220713
PLAC8	0.310808	2.728261	0.007033	0.220194
	-0.43763	-2.72584	0.007082	0.220519
	0.266015	2.727789	0.007043	0.220248
MYO1F;PEX11G;CD320	-0.2919	-2.72845	0.007029	0.220125
SLC16A5;FDXR;SPHK1;SLC9A3R1;GALK1;ICT1;MRPS7;SAP30BP;HN1;CASKIN2;SMIM6	-0.32025	-2.72609	0.007077	0.220487
	0.211479	2.724204	0.007116	0.220738
PSMG3;GPR146	0.368507	2.724524	0.00711	0.220735
	0.343855	2.729059	0.007017	0.220003



	-0.36849	-2.72323	0.007136	0.220914
	0.303469	2.727695	0.007044	0.220256
CTDP1	-0.31249	-2.72214	0.007159	0.221091
	0.169805	2.726746	0.007064	0.220475
KCTD1;AQP4	-0.26831	-2.72508	0.007098	0.220632
	0.213055	2.724206	0.007116	0.220738
ATOX1	0.401845	2.72661	0.007067	0.220475
	0.312339	2.728018	0.007038	0.220233
HLA-F;PPP1R18;HLA-E;HCP5	0.364715	2.727446	0.00705	0.220318
	0.234121	2.724607	0.007108	0.220735
STX3;ENSG00000214797;TCN1;SLC25A47P1;ENSG0000022580 2	-0.4107	-2.72776	0.007043	0.220248
	0.281909	2.72657	0.007067	0.220477
FNDC4	0.218252	2.727379	0.007051	0.220318
CTSW;SIPA1;SLC25A45;NRXN2;BATF2;RASGRP2	-0.35939	-2.72865	0.007025	0.220052
	0.221244	2.72478	0.007104	0.22068
FYN	-0.34647	-2.72874	0.007023	0.220052
	0.297776	2.725899	0.007081	0.220519
	0.252946	2.723376	0.007133	0.220914
LIX1L;ITGA10;POLR3C;CHD1L;ANKRD35;CD160;PEX11B;FMO5; RBM8A	-0.39159	-2.72562	0.007087	0.220574
RAF1	0.278116	2.726642	0.007066	0.220475
	0.248191	2.727179	0.007055	0.220347
WDR45B;TBCD;ALYREF;PCYT2	-0.2645	-2.72777	0.007043	0.220248
	0.255946	2.725426	0.007091	0.220592
UNC79;PPP4R4;FAM181A;FAM181A-AS1;C14orf142;SERPINA1 KCNMB2	-0.31057	-2.72617	0.007076	0.220487
	0.283979	2.724481	0.00711	0.220735
	0.381747	2.723341	0.007134	0.220914
	0.182601	2.726451	0.00707	0.220487
	-0.24271	-2.72737	0.007051	0.220318
GSTK1;EPHA1;KEL	-0.36714	-2.72449	0.00711	0.220735
HK2;TACR1;ENSG00000270571;SEMA4F	-0.2472	-2.72792	0.00704	0.220243
TIMP2;SEC14L1;C1QTNF1	-0.25331	-2.72824	0.007033	0.220194
	-0.25706	-2.72541	0.007091	0.220592
LIFR	0.313266	2.727567	0.007047	0.22028
	0.276979	2.726615	0.007067	0.220475
	-0.30528	-2.72739	0.007051	0.220318
PLCG2;ENSG00000260682;C16orf46;DYNLRB2;CMIP	-0.46931	-2.72655	0.007068	0.220477
	-0.36274	-2.72447	0.007111	0.220735
	-0.33469	-2.72362	0.007128	0.220909
CALD1;FAM180A;EXOC4;C7orf73	0.287088	2.725016	0.007099	0.220632
	-0.33251	-2.72635	0.007072	0.220487
NDST1	0.222848	2.725394	0.007092	0.220592
	0.173789	2.724817	0.007104	0.22068
SERPINA1;IFI27	-0.28987	-2.72255	0.00715	0.220955
HLA-A;OR2I1P;TRIM27;HLA-F;PRR3	-0.25521	-2.7253	0.007093	0.220602

	-0.29707	-2.72583	0.007083	0.220519
GFM2;ARHGEF28	-0.40183	-2.7244	0.007112	0.220737
	0.363886	2.726076	0.007078	0.220487
PRB2;PRR4;PRB4;PRH2;PRB3;PRB1	-0.3965	-2.72397	0.007121	0.220781
	0.164588	2.725303	0.007093	0.220602
	0.347766	2.725491	0.00709	0.220592
B3GNT3	0.301768	2.727148	0.007056	0.220347
	0.300333	2.726228	0.007074	0.220487
	0.179633	2.726825	0.007062	0.220473
	0.398987	2.72439	0.007112	0.220737
PDCD7	-0.25413	-2.72502	0.007099	0.220632
	0.200903	2.725423	0.007091	0.220592
	0.305134	2.726974	0.007059	0.220417
	0.283383	2.726811	0.007063	0.220473
	0.190021	2.725766	0.007084	0.22053
	0.24048	2.72608	0.007078	0.220487
C10orf128;WDFY4;ARHGAP22;FRMPD2;PTPN20CP;VSTM4;ENS				
G00000232462	-0.30871	-2.72554	0.007089	0.220592
XYLB;ITGA9	0.23659	2.725778	0.007084	0.22053
MAP4;IP6K2;DALRD3	-0.24441	-2.72501	0.0071	0.220632
CHCHD3	0.298423	2.72413	0.007118	0.220743
	0.151603	2.72605	0.007078	0.220487
CD22;FXVD5;DMKN;ZNF792	0.317392	2.72523	0.007095	0.220619
LINC00478	0.325414	2.724444	0.007111	0.220735
	0.496291	2.722941	0.007142	0.220914
	0.299642	2.726619	0.007066	0.220475
	-0.3375	-2.72508	0.007098	0.220632
	0.365895	2.723198	0.007137	0.220914
NOP2	-0.22215	-2.72345	0.007132	0.220914
	0.316048	2.725632	0.007087	0.220574
CTSF;PC;CHKA	-0.24672	-2.72192	0.007163	0.221115
FUOM;TUBGCP2	-0.20033	-2.72585	0.007082	0.220519
	0.345509	2.725438	0.007091	0.220592
	-0.32987	-2.7238	0.007124	0.220858
MRGPRF;UNC93B1	0.237775	2.722362	0.007154	0.220993
GLT8D2;APPL2;TXNRD1;ENSG00000214198;C12orf75	0.408456	2.718826	0.007228	0.22182
SCARNA10	0.279334	2.725074	0.007098	0.220632
DOCK3	-0.30282	-2.72447	0.007111	0.220735
	-0.32919	-2.72629	0.007073	0.220487
TACC1;FGFR1;GPR124;DDHD2;PLEKHA2	0.185983	2.723024	0.007141	0.220914
	0.161784	2.723239	0.007136	0.220914
ENSG00000235669	-0.27057	-2.72337	0.007133	0.220914
GVINP1	-0.3058	-2.72727	0.007053	0.220335
MISP;FSTL3;ADAMTSL5;GNG7;PALM;ARID3A;SCAMP4;GAMT;G				
RIN3B;PCSK4;TCF3;REEP6;ENSG00000129951;CNN2;GPX4	-0.42349	-2.72617	0.007076	0.220487
	-0.26654	-2.72295	0.007142	0.220914

	-0.29906	-2.72523	0.007095	0.220619
	0.210159	2.723084	0.007139	0.220914
	-0.5272	-2.72673	0.007064	0.220475
SEPT4;MSI2;DGKE;MKS1;TRIM25;C17orf67	0.366744	2.721986	0.007162	0.221115
ENSG00000231980;PTPRN2;RNF32	-0.2892	-2.72271	0.007147	0.22094
RASAL3;NWD1;SYDE1	-0.46415	-2.72407	0.007119	0.220748
	0.291963	2.72572	0.007085	0.220544
	0.362619	2.724295	0.007114	0.220738
	0.197458	2.725071	0.007098	0.220632
CTSS;GOLPH3L;SELENBP1;POGZ;THEM4;SEMA6C;ADAMTSL4;S100A11;CGN;HRNR;PSMB4;PSMD4;ARNT;FLG;ENSA;FAM63A;RORC	-0.40058	-2.726	0.007079	0.220487
	0.213607	2.722041	0.007161	0.221115
RAB37;CASKIN2;GRB2;CD300A;MYO15B	-0.25859	-2.72298	0.007141	0.220914
	-0.19485	-2.72092	0.007184	0.221405
	-0.16162	-2.72115	0.007179	0.221389
	0.210453	2.723387	0.007133	0.220914
	0.384518	2.722416	0.007153	0.220993
	-0.34361	-2.72224	0.007157	0.221039
	0.205618	2.723292	0.007135	0.220914
CREB3L4;NPR1;ATP8B2;JTB;DENND4B;S100A6;CRTTC2;C1orf43;GATAD2B;SLC27A3;SNAPIN;S100A3;HAX1;ENSG00000223599	-0.28214	-2.72352	0.00713	0.220914
	0.385397	2.725006	0.0071	0.220632
	0.254473	2.723035	0.00714	0.220914
	-0.1689	-2.72007	0.007202	0.22162
SMIM5	-0.37524	-2.72633	0.007072	0.220487
	-0.39331	-2.72625	0.007074	0.220487
	0.336818	2.724102	0.007118	0.220745
ANKK1;CADM1;TTC12;NNMT	-0.32018	-2.72352	0.00713	0.220914
	-0.30433	-2.7195	0.007214	0.2217
	-0.3054	-2.72461	0.007108	0.220735
	0.243374	2.722944	0.007142	0.220914
	0.294862	2.724884	0.007102	0.220678
	0.277834	2.723549	0.00713	0.220914
ADAMTS10;KANK3;PEX11G;CERS4;CD320;INSR;CTXN1	-0.4294	-2.72299	0.007141	0.220914
	0.240529	2.726021	0.007079	0.220487
	0.321993	2.722737	0.007146	0.22094
SKI;MEGF6;TP73-AS1;RER1;LINC00982;LINC01134;CEP104;DFFB	0.3329	2.719924	0.007205	0.221635
	0.375893	2.722961	0.007142	0.220914
ENSG00000259881;ENSG00000261226;PIEZO1	0.28478	2.724011	0.00712	0.220772
	-0.41444	-2.72431	0.007114	0.220738
	0.206532	2.722396	0.007154	0.220993
	-0.33143	-2.72344	0.007132	0.220914
	0.212593	2.724188	0.007116	0.220738

UAP1L1;PTGDS;GPSM1;CAMSAP1;EGFL7;LCNL1;UBAC1;NOTCH1;TUBB4B;NPDC1	-0.46777	-2.72374	0.007126	0.220867
	0.175918	2.724148	0.007117	0.220743
	-0.26958	-2.72111	0.00718	0.221389
FLT4;ADAMTS2	-0.28744	-2.72454	0.007109	0.220735
	0.386504	2.725465	0.00709	0.220592
	0.14992	2.723208	0.007137	0.220914
DNTTIP2;GCLM;ABCD3;ARHGAP29	-0.35212	-2.72371	0.007126	0.220867
TPPP;PLEKHG4B	0.321755	2.724269	0.007115	0.220738
PVRL4;LY9;SLAMF1;CD84;FCRL6;LINC01133;SLAMF6;SLAMF8;CD244;FCGR2C	0.602305	2.724262	0.007115	0.220738
	-0.32154	-2.72322	0.007136	0.220914
RASSF1	-0.39328	-2.72531	0.007093	0.220602
	-0.31222	-2.7228	0.007145	0.22094
	-0.3415	-2.71912	0.007222	0.22182
	-0.26595	-2.72268	0.007148	0.22094
	-0.2818	-2.72042	0.007195	0.221502
	-0.445	-2.72118	0.007179	0.221389
ARHGAP42;ENSG00000248027	-0.39726	-2.71888	0.007227	0.22182
	-0.47992	-2.72209	0.00716	0.221109
SHISA6;DNAH9	-0.45197	-2.72267	0.007148	0.22094
	0.2177	2.721153	0.007179	0.221389
	0.221652	2.715413	0.0073	0.222576
	0.202633	2.723724	0.007126	0.220867
	-0.30486	-2.72277	0.007146	0.22094
	0.323945	2.722574	0.00715	0.220955
FOXA2;CD93	0.323343	2.722768	0.007146	0.22094
	-0.17827	-2.7227	0.007147	0.22094
	0.239224	2.723272	0.007135	0.220914
ESCO2	0.235117	2.720613	0.007191	0.221471
	0.233275	2.722914	0.007143	0.220914
	0.336458	2.720828	0.007186	0.221405
	0.315471	2.720168	0.0072	0.221605
	-0.224	-2.72249	0.007152	0.22098
	-0.2429	-2.72236	0.007154	0.220993
	0.297238	2.720599	0.007191	0.221471
LYN;TMEM68;SDR16C5;LINC00968	0.338799	2.717774	0.00725	0.222026
	0.231218	2.72023	0.007199	0.221596
	0.214003	2.721901	0.007164	0.221115
	-0.35944	-2.7189	0.007226	0.22182
	-0.4421	-2.72294	0.007142	0.220914
GMDS;ENSG00000230433	-0.29592	-2.71426	0.007324	0.222698
	0.296868	2.722627	0.007149	0.220954
	-0.37223	-2.7211	0.00718	0.221389
ENSG00000224570;ENSG00000226891;DNAJC6;LEPR;AK4;PDE4B	-0.34529	-2.72066	0.00719	0.221463
	0.276742	2.721688	0.007168	0.221204

ARID3B	0.272524	2.722341	0.007155	0.220993
	0.300448	2.720661	0.00719	0.221463
ARL10;DBN1;NSD1;ENSG00000170089;N4BP3;NOP16;RMND5 B;SIMC1;COL23A1	-0.28397	-2.71881	0.007228	0.22182
	-0.41057	-2.72317	0.007137	0.220914
	0.235248	2.72093	0.007184	0.221405
ICAM3;ACP5;RGL3;ICAM1;EPOR;CDKN2D	-0.33825	-2.72257	0.00715	0.220955
	0.266471	2.721161	0.007179	0.221389
CYTH3	-0.31753	-2.72185	0.007165	0.221134
	-0.27375	-2.72191	0.007164	0.221115
	-0.29579	-2.72091	0.007184	0.221405
	0.323205	2.719904	0.007205	0.221635
	-0.20486	-2.71767	0.007252	0.222037
	0.372319	2.719857	0.007206	0.221644
C1orf216;COL8A2	-0.33357	-2.72158	0.00717	0.221257
	0.244979	2.719333	0.007217	0.221773
	0.310952	2.717658	0.007252	0.222037
NSUN7	-0.25856	-2.71828	0.007239	0.221986
RASSF4;HNRNPF	0.292218	2.719596	0.007212	0.221684
	0.327683	2.720452	0.007194	0.221502
KLHL29;ENSG00000115128	-0.22464	-2.72002	0.007203	0.221621
	-0.46197	-2.72113	0.00718	0.221389
	-0.34502	-2.7208	0.007187	0.221405
	0.267709	2.718131	0.007242	0.221991
BAIAP2	0.514936	2.721973	0.007162	0.221115
FAM83H-AS1;LY6D;GPIHBP1;TSTA3;FAM83H;GPT;EEF1D	-0.32993	-2.72124	0.007178	0.221389
	0.270275	2.719305	0.007218	0.221776
	0.378674	2.721025	0.007182	0.221405
IRF4	0.242526	2.721195	0.007178	0.221389
MKLN1	-0.33488	-2.72013	0.007201	0.221605
MFAP2	0.345643	2.720455	0.007194	0.221502
	0.222092	2.71824	0.00724	0.221991
SLC44A4;TNXB;VWA7;LY6G5C;HSPA1L;NOTCH4;NELFE;C6orf10; EHMT2	-0.32776	-2.7183	0.007239	0.221986
	0.243022	2.718935	0.007226	0.22182
	0.316953	2.719436	0.007215	0.221723
	-0.26331	-2.72089	0.007185	0.221405
	0.27663	2.72142	0.007174	0.221344
	0.351571	2.719572	0.007212	0.221684
	-0.32941	-2.72098	0.007183	0.221405
TNFAIP3	0.37653	2.718748	0.00723	0.22182
MYL12B;MYOM1;EMILIN2;TGIF1	-0.43186	-2.7199	0.007206	0.221635
C6orf10	-0.43993	-2.71914	0.007221	0.22182
	0.337868	2.718125	0.007243	0.221991
ENTPD1;LCOR	0.265216	2.7213	0.007176	0.221389
CALHM2;C10orf32	-0.35994	-2.72194	0.007163	0.221115
	-0.18699	-2.72087	0.007185	0.221405

	-0.5866	-2.7169	0.007268	0.222293
GIMAP5;GIMAP2;GIMAP6;GIMAP7;GIMAP4	-0.32894	-2.71673	0.007272	0.222333
	0.213532	2.716022	0.007287	0.222489
	0.374584	2.720458	0.007194	0.221502
STK10	-0.35913	-2.71892	0.007226	0.22182
	0.215612	2.71807	0.007244	0.221991
	0.166309	2.718725	0.00723	0.22182
	0.226899	2.720132	0.007201	0.221605
	0.349976	2.719597	0.007212	0.221684
WNT9A	-0.38296	-2.7189	0.007226	0.22182
TSPAN4;LRRC56	-0.26153	-2.71901	0.007224	0.22182
CARF	0.338323	2.719529	0.007213	0.221695
SLC37A3	-0.36769	-2.71891	0.007226	0.22182
	-0.16863	-2.72087	0.007185	0.221405
	0.411739	2.719264	0.007219	0.221786
	-0.36618	-2.71788	0.007248	0.221991
	-0.26588	-2.72082	0.007186	0.221405
	-0.39343	-2.72012	0.007201	0.221605
S100P;HTRA3	-0.24749	-2.71837	0.007237	0.221962
POU3F1;RSPO1;DNALI1;GRIK3;ENSG00000224592	-0.43817	-2.71702	0.007266	0.222255
	0.160418	2.720408	0.007195	0.221502
PTCH2;ATP6V0B;TIE1;SLC2A1;TMEM53	-0.36999	-2.71902	0.007224	0.22182
	0.239283	2.717265	0.007261	0.222148
	0.290283	2.717882	0.007248	0.221991
STYXL1;SRRM3;ENSG00000259628;HIP1;RHBDD2;POM121C;HS PB1	-0.37747	-2.71861	0.007232	0.221869
YPEL4;APLNR;SERPING1;SLC43A1;TNKS1BP1;OR5BA1P;SLC43A 3	-0.47624	-2.71979	0.007208	0.221653
	0.155013	2.717634	0.007253	0.222037
	0.230834	2.715785	0.007292	0.222489
	-0.52194	-2.71601	0.007287	0.222489
	0.23845	2.719908	0.007205	0.221635
CD6;CD5	-0.31286	-2.71746	0.007257	0.222084
	0.303266	2.71961	0.007212	0.221684
CLIP1;ENSG00000256304	-0.34963	-2.71897	0.007225	0.22182
MLKL	0.361645	2.720024	0.007203	0.221621
	0.337205	2.7198	0.007208	0.221653
	0.324474	2.717264	0.007261	0.222148
	-0.24743	-2.71792	0.007247	0.221991
PTPRN2	0.309711	2.718195	0.007241	0.221991
	0.360543	2.71421	0.007325	0.222706
SHANK3;MAPK12;MAPK11	0.246412	2.717955	0.007246	0.221991
	0.285531	2.714751	0.007314	0.222673
	-0.3562	-2.71769	0.007252	0.222037
DGKE	-0.32347	-2.71758	0.007254	0.222054
ASPA;TRPV3;SPNS2	0.318086	2.718931	0.007226	0.22182
	0.329498	2.71577	0.007292	0.222489

SEC14L1;TK1	-0.50399	-2.71645	0.007278	0.222387
	0.184395	2.717273	0.00726	0.222148
LETM1;SPON2;ATP5I	-0.29007	-2.71799	0.007245	0.221991
	0.25429	2.717541	0.007255	0.222065
WDR45B;PCYT2;LRRC45	-0.47308	-2.71801	0.007245	0.221991
	0.170942	2.720402	0.007195	0.221502
SLC26A2;SYNPO;PDGFRB;HMGXB3	0.293715	2.71852	0.007234	0.221913
	0.311461	2.718828	0.007228	0.22182
CBX2;TIMP2;C1QTNF1;TNRC6C;USP36;ENSG00000178404;CYT H1;CBX8;CANT1	0.317493	2.716611	0.007274	0.222345
	0.333025	2.719596	0.007212	0.221684
CD22;KIAA0355;DMKN;ZNF792;FXYS5;ZNF599;CLIP3 BAI1	-0.25095	-2.71808	0.007243	0.221991
	-0.2553	-2.71768	0.007252	0.222037
	-0.25741	-2.71582	0.007291	0.222489
	-0.33868	-2.71874	0.00723	0.22182
	0.371706	2.716374	0.007279	0.222406
	-0.22035	-2.71519	0.007304	0.222635
THUMP3;OGG1;JAGN1	-0.35212	-2.71874	0.00723	0.22182
	-0.25489	-2.71579	0.007292	0.222489
	-0.35958	-2.71977	0.007208	0.221653
	0.29615	2.71801	0.007245	0.221991
STAB1;PARP3	0.2025	2.719593	0.007212	0.221684
	0.23152	2.716322	0.00728	0.222406
KLHDC8B;LAMB2;UBA7	-0.22805	-2.71183	0.007376	0.223018
	-0.26999	-2.71581	0.007291	0.222489
	-0.2413	-2.71846	0.007235	0.221933
	-0.65091	-2.71526	0.007303	0.222624
	-0.25728	-2.71317	0.007347	0.222806
MAP4K1;RINL;PLEKHG2	0.282458	2.717835	0.007249	0.222003
TNFRSF1B;PLOC1;TNFRSF8;MIIP;DHRS3;ENSG00000272482	-0.29661	-2.7149	0.007311	0.222654
	-0.50298	-2.71744	0.007257	0.222084
PRF1	-0.21239	-2.71872	0.00723	0.22182
	-0.32882	-2.7179	0.007247	0.221991
	0.183849	2.71479	0.007313	0.222673
	0.369488	2.713264	0.007345	0.222806
RAB17;MLPH;ACKR3;COL6A3;HES6	-0.42703	-2.7165	0.007277	0.222386
PTPLA;VIM	0.338084	2.716679	0.007273	0.222333
	0.245778	2.716865	0.007269	0.222293
	0.283288	2.71524	0.007303	0.222624
MYO1C;NXN;SLC43A2;GEMIN4;ENSG00000262003;YWHAH;SC ARF1;SMG6;HIC1;INPP5K;C17orf97;ENSG00000262810;PITPNA	0.285092	2.712117	0.00737	0.223018
	0.245182	2.71604	0.007286	0.222489
	-0.14383	-2.71596	0.007288	0.222489
TMC8;RHBDF2;TMC6;ST6GALNAC2;TNRC6C-AS1	-0.23164	-2.71465	0.007316	0.222689
	-0.15025	-2.71456	0.007318	0.22269

CEP85;CNKSR1;UBXN11;RPS6KA1	-0.33161	-2.71591	0.007289	0.222489
	0.316952	2.717141	0.007263	0.222221
MCM9;ENSG00000216316;CEP85L;PLN	-0.48221	-2.71455	0.007318	0.22269
TP73-AS1	-0.3409	-2.71296	0.007352	0.222806
	0.177687	2.718419	0.007236	0.221946
SHCBP1;GPT2	-0.23871	-2.71632	0.007281	0.222406
RB1CC1	0.388231	2.713795	0.007334	0.222708
	0.294611	2.716611	0.007274	0.222345
	0.151269	2.717039	0.007265	0.222255
SLC44A4;VWA7;LY6G5C;C6orf10;NOTCH4;NELFE;TNXB;TCF19; HSPA1L;ENSG00000225914;CCHCR1;BAG6;ENSG00000272221; HSPA1A;EHMT2;PBX2;CLIC1;BTNL2	-0.40387	-2.71413	0.007327	0.222708
DHX16	0.27199	2.71749	0.007256	0.222082
	0.215117	2.714955	0.007309	0.222654
INPP5D	0.330416	2.716771	0.007271	0.222322
	-0.25642	-2.71587	0.00729	0.222489
TBX19;RCSD1;MPC2;CD247	-0.36977	-2.71395	0.007331	0.222708
ASPA;HIC1;P2RX1;C17orf85;TRPV3	-0.29394	-2.71615	0.007284	0.222477
	-0.23389	-2.71505	0.007307	0.222636
PPP1R3B	-0.48012	-2.71316	0.007347	0.222806
	-0.38704	-2.71807	0.007244	0.221991
	0.337316	2.714353	0.007322	0.222698
CHN1;ENSG00000091436;RAPGEF4;MLK7-AS1	0.329902	2.71688	0.007269	0.222293
ENSG00000231720;RNASET2	0.329444	2.715998	0.007287	0.222489
	0.201754	2.714378	0.007322	0.222698
NGRN;PEX11A;CRTC3;ENSG00000259212	0.370609	2.714419	0.007321	0.222698
CXCR4	0.165595	2.713773	0.007334	0.222708
	-0.29515	-2.71525	0.007303	0.222624
	0.291845	2.712744	0.007356	0.222807
	0.163587	2.714278	0.007324	0.222698
	-0.16198	-2.71386	0.007332	0.222708
	0.24769	2.715509	0.007298	0.222551
ENSG00000236740	0.327706	2.715501	0.007298	0.222551
HCP5;HLA-F;HLA-E;HLA-B	-0.29992	-2.71697	0.007267	0.222276
	-0.24012	-2.71405	0.007329	0.222708
ZAP70;TMEM131	-0.28203	-2.71788	0.007248	0.221991
	0.279799	2.716698	0.007273	0.222333
	0.256084	2.716359	0.00728	0.222406
	0.295127	2.714694	0.007315	0.222673
	0.243658	2.716584	0.007275	0.222347
	0.242099	2.715173	0.007305	0.222635
	-0.27551	-2.71427	0.007324	0.222698
CYS1;CPSF3;GRHL1	0.305534	2.713821	0.007333	0.222708
	0.260748	2.714711	0.007314	0.222673
	0.287777	2.713484	0.00734	0.222765
TNFRSF1B;ENSG00000272482	-0.37809	-2.71479	0.007313	0.222673
WDR45B	-0.36125	-2.71677	0.007271	0.222322



	0.367744	2.712734	0.007356	0.222807
	0.214495	2.713756	0.007335	0.222708
	0.205037	2.715528	0.007297	0.222551
	0.297486	2.715593	0.007296	0.222551
ADRB1;AFAP1L2;TRUB1;C10orf118;DCLRE1A	-0.35711	-2.71487	0.007311	0.222654
	0.364043	2.71506	0.007307	0.222636
	-0.21773	-2.71533	0.007301	0.222613
BNIP1	-0.25069	-2.71351	0.00734	0.222765
MAD1L1;TTYH3	-0.2425	-2.71384	0.007333	0.222708
	-0.34026	-2.71561	0.007295	0.222551
	-0.28251	-2.71488	0.007311	0.222654
MEG3;DIO3OS	0.273701	2.714396	0.007321	0.222698
	0.250152	2.711124	0.007391	0.223188
	0.325116	2.715963	0.007288	0.222489
	-0.21038	-2.71272	0.007357	0.222807
	-0.23453	-2.71471	0.007314	0.222673
SUGCT	-0.39234	-2.71406	0.007328	0.222708
BBS4;HCN4	-0.22478	-2.71185	0.007375	0.223018
	0.280768	2.713862	0.007332	0.222708
	0.201545	2.710163	0.007411	0.223451
	0.267205	2.715464	0.007299	0.222559
GRAP2;ENSG00000225528;MCHR1;CACNA1I;XPNPEP3	-0.38566	-2.71627	0.007281	0.222419
SEMA3G;DOCK3;PCBP4;ITIH3;SPCS1;POC1A	-0.24414	-2.7149	0.007311	0.222654
CNOT11;IL1R2;PDCL3	-0.44911	-2.71262	0.007359	0.222823
	-0.28334	-2.71352	0.00734	0.222765
	0.311142	2.713058	0.00735	0.222806
	0.29657	2.716463	0.007277	0.222387
	0.321465	2.716135	0.007284	0.222477
IGLV1-40	0.400124	2.715553	0.007297	0.222551
	-0.28387	-2.71582	0.007291	0.222489
COL17A1;SLK	-0.43345	-2.71343	0.007342	0.222775
	-0.2931	-2.7151	0.007306	0.222636
ENSG00000228140;FHAD1;AGMAT;DNAJC16	-0.35779	-2.71176	0.007377	0.223018
	0.248141	2.715072	0.007307	0.222636
PARP14	-0.18754	-2.71409	0.007328	0.222708
	0.23165	2.711744	0.007377	0.223018
	0.43772	2.715627	0.007295	0.222551
	-0.37326	-2.71318	0.007347	0.222806
	0.338905	2.7142	0.007325	0.222706
	0.310072	2.712944	0.007352	0.222806
CUL4A	0.246612	2.714477	0.007319	0.222698
	0.184886	2.70953	0.007425	0.223579
IRX3;ENSG00000259725	0.282951	2.714546	0.007318	0.22269
	0.24447	2.713131	0.007348	0.222806
	0.242966	2.71204	0.007371	0.223018
	0.274374	2.713676	0.007336	0.222743
	0.261353	2.712529	0.007361	0.222865

	0.163314	2.708706	0.007443	0.223777
	0.344114	2.714399	0.007321	0.222698
	0.254334	2.712968	0.007351	0.222806
	0.265714	2.714584	0.007317	0.22269
	0.273917	2.711916	0.007374	0.223018
	0.201473	2.713902	0.007332	0.222708
	0.219695	2.712683	0.007357	0.222807
SLC39A7	0.235281	2.715075	0.007307	0.222636
PROZ	0.311743	2.713254	0.007345	0.222806
	0.229388	2.713629	0.007337	0.222758
ZNF34;FAM83H-AS1;TSTA3;FAM83H;GPIHBP1;EEF1D	-0.47628	-2.7149	0.007311	0.222654
BCL11A;PEX13	0.348223	2.712852	0.007354	0.222806
GRASP;ACVRL1;GALNT6;KRT7;TENC1	-0.28113	-2.71222	0.007367	0.223017
	-0.42266	-2.71127	0.007388	0.223163
RLTPR;CMTM4;CES4A;ZDHHC1;CDH5;RANBP10;GFOD2;ENKD1;				
TRADD;TPPP3	-0.39031	-2.71314	0.007348	0.222806
	-0.20593	-2.71067	0.0074	0.223277
	0.237853	2.711764	0.007377	0.223018
	-0.21513	-2.71313	0.007348	0.222806
	0.291718	2.712938	0.007352	0.222806
	0.257533	2.712192	0.007368	0.223018
	-0.18854	-2.71171	0.007378	0.223018
	-0.28437	-2.7144	0.007321	0.222698
	-0.18363	-2.71177	0.007377	0.223018
	-0.36022	-2.71284	0.007354	0.222806
WBSCR17	-0.47589	-2.71126	0.007388	0.223163
ZNHIT1;AP1S1	-0.21142	-2.7111	0.007391	0.223188
	0.374962	2.713787	0.007334	0.222708
	0.295615	2.71234	0.007365	0.222956
	0.361477	2.714045	0.007329	0.222708
	-0.30753	-2.71334	0.007344	0.222806
	-0.20238	-2.71147	0.007383	0.223106
ENSG00000231980	-0.40889	-2.71167	0.007379	0.223024
TWIST2;TRAF3IP1;HES6	0.345245	2.708524	0.007446	0.223777
	0.321694	2.708796	0.007441	0.223777
	0.385047	2.711704	0.007378	0.223018
	-0.25068	-2.71381	0.007334	0.222708
PRKCH	-0.42321	-2.71293	0.007352	0.222806
GALNT6;GRASP;DAZAP2;POU6F1;SLC11A2;METTL7A;ACVRL1;S				
LC4A8;KRT7;OR7E47P	-0.25416	-2.71024	0.00741	0.223448
	0.250679	2.711736	0.007378	0.223018
CD248;CTSF;AIP;UNC93B1;GSTP1;FAM86C2P;ALDH3B2;ALDH3				
B1;CCS;TBC1D10C	-0.24971	-2.71008	0.007413	0.223451
	0.528811	2.711965	0.007373	0.223018
	-0.45286	-2.71429	0.007323	0.222698
	0.238608	2.71347	0.007341	0.222765
	0.283125	2.712681	0.007358	0.222807

	-0.27923	-2.71396	0.00733	0.222708
	0.32212	2.712987	0.007351	0.222806
	0.265842	2.708287	0.007452	0.223777
CYCS	-0.19341	-2.7135	0.00734	0.222765
HSD17B1P1	0.20748	2.712906	0.007353	0.222806
	0.236254	2.712709	0.007357	0.222807
	-0.34703	-2.7116	0.007381	0.223057
	0.420758	2.712859	0.007354	0.222806
	0.407083	2.713482	0.007341	0.222765
TMEM254;DYDC2;DYDC1;MAT1A	-0.25825	-2.71088	0.007396	0.223224
	0.365582	2.71127	0.007388	0.223163
ARRB2;RAP1GAP2	-0.34425	-2.71067	0.0074	0.223277
PDE2A	0.245161	2.709744	0.00742	0.223558
	-0.20269	-2.71184	0.007375	0.223018
TNXB;TCF19;C6orf48;LY6G5C;C6orf10;LSM2	0.417564	2.71086	0.007396	0.223224
TRPM2	-0.25935	-2.71191	0.007374	0.223018
	0.300344	2.71107	0.007392	0.223191
ENSG00000271763;ENSG00000258676;ENSG00000260337	0.36447	2.712418	0.007363	0.222921
	0.276031	2.713021	0.00735	0.222806
	0.288564	2.704498	0.007533	0.224574
ZKSCAN1;ENSG00000239521;STAG3;ZNF3;AP1S1	-0.34605	-2.71308	0.007349	0.222806
	-0.23578	-2.7112	0.007389	0.223184
	-0.21807	-2.71129	0.007387	0.223163
HSD17B13	0.335407	2.712669	0.007358	0.222807
SPACA6P	-0.23169	-2.71077	0.007398	0.223245
	-0.25779	-2.71093	0.007395	0.223224
ABCD3;ARHGAP29;DNTTIP2;GCLM;FAM69A	0.265317	2.70769	0.007464	0.223877
	0.300098	2.709995	0.007415	0.223474
	-0.39523	-2.71085	0.007397	0.223224
	0.336049	2.70735	0.007472	0.223966
	0.28948	2.711721	0.007378	0.223018
XPNPEP3;PMM1;ZC3H7B;ENSG00000231993	-0.24217	-2.70807	0.007456	0.223798
	-0.17194	-2.71061	0.007402	0.223285
DENND4B;SNAPIN;S100A6;ATP8B2;SHE;TDRD10	-0.27913	-2.70885	0.00744	0.223777
	0.222915	2.708612	0.007445	0.223777
	-0.3864	-2.71216	0.007369	0.223018
	0.30362	2.714007	0.007329	0.222708
	-0.17391	-2.712	0.007372	0.223018
	-0.27456	-2.70951	0.007425	0.223579
	-0.21985	-2.70778	0.007463	0.223853
C2CD2L;PDZD3;OAF;USP2-				
AS1;CBL;ENSG00000254590;ENSG00000254561;MCAM;CCDC1				
53;PHLDB1;DPAGT1	-0.36342	-2.71197	0.007373	0.223018
	-0.19588	-2.70941	0.007427	0.223608
KRT15;CNTD1;TTC25;KRT13	-0.21015	-2.71089	0.007396	0.223224
PPIL1	-0.24343	-2.70814	0.007455	0.223789
	-0.27926	-2.71006	0.007414	0.223451

DLG2	0.331001	2.710468	0.007405	0.223358
	0.335719	2.711119	0.007391	0.223188
	-0.24981	-2.70806	0.007456	0.223798
CCDC78;IFT140;METRN;BAIAP3;NHLRC4;HN1L;GFER;HS3ST6;E				
NSG00000196674;HAGHL	-0.32067	-2.71009	0.007413	0.223451
RGS19	-0.28398	-2.71096	0.007394	0.223224
	0.358023	2.710176	0.007411	0.223451
CTSW;SLC25A45;CCDC88B;BATF2;SIPA1;NRXN2	-0.41006	-2.71155	0.007382	0.223068
KMT2E;RINT1;SYPL1	-0.4272	-2.71197	0.007373	0.223018
	-0.36319	-2.70857	0.007445	0.223777
	0.41917	2.70996	0.007416	0.223474
	0.307075	2.710437	0.007405	0.223362
	-0.71311	-2.7094	0.007428	0.223608
	0.247894	2.708835	0.00744	0.223777
	0.282612	2.709147	0.007433	0.223722
	0.335899	2.710887	0.007396	0.223224
	0.265477	2.711284	0.007387	0.223163
	-0.21525	-2.70576	0.007506	0.224327
	0.255898	2.709946	0.007416	0.223474
	-0.23312	-2.70794	0.007459	0.223825
SELL	0.38517	2.710808	0.007397	0.223234
	0.245356	2.70869	0.007443	0.223777
	0.219964	2.704425	0.007535	0.224574
TAB1;PLA2G6;SLC16A8;MGAT3;SYNGR1;KDEL3;NPTXR	0.27583	2.709609	0.007423	0.223566
	0.33515	2.710611	0.007402	0.223285
	0.264393	2.709263	0.007431	0.223677
	0.222114	2.70778	0.007462	0.223853
	0.444429	2.709544	0.007425	0.223579
	0.348762	2.707013	0.007479	0.223994
TTYH2;LINC00511	-0.45822	-2.70832	0.007451	0.223777
TOB2	0.325951	2.710093	0.007413	0.223451
BBS9;KBTBD2;RP9	-0.4185	-2.70876	0.007441	0.223777
	0.317353	2.709481	0.007426	0.223586
	0.224887	2.70963	0.007423	0.223566
	0.240239	2.71112	0.007391	0.223188
	-0.31168	-2.7084	0.007449	0.223777
	-0.20741	-2.70661	0.007488	0.224104
	-0.3788	-2.70854	0.007446	0.223777
GPIHBP1	0.157737	2.707986	0.007458	0.223825
	0.249752	2.708163	0.007454	0.223789
	-0.258	-2.70819	0.007454	0.223789
	-0.20474	-2.7073	0.007473	0.223973
	-0.30449	-2.7053	0.007516	0.224394
	0.349169	2.708245	0.007452	0.223777
	-0.38776	-2.70862	0.007444	0.223777
DDX52	-0.28038	-2.70684	0.007483	0.224016
PTP4A3	-0.28077	-2.70825	0.007452	0.223777

	-0.3026	-2.70962	0.007423	0.223566
	0.305593	2.707495	0.007469	0.223917
	-0.21893	-2.70876	0.007441	0.223777
ENSG00000261716;RPRD2;CTSK	0.318075	2.70964	0.007422	0.223566
	0.186592	2.705834	0.007504	0.224327
FAM83H-AS1;RHPN1-AS1;BAI1;GPIHBP1;TSTA3;RHPN1	0.319881	2.704605	0.007531	0.224574
RIN3	0.378116	2.709887	0.007417	0.223497
	0.213518	2.709109	0.007434	0.223728
	0.3673	2.706738	0.007485	0.224038
	0.210913	2.706448	0.007491	0.224129
INTS4L1;ENSG00000232906;ENSG00000229064	0.243514	2.707367	0.007471	0.223966
	0.269876	2.709647	0.007422	0.223566
TMEM212	-0.36894	-2.70587	0.007504	0.224327
	0.383859	2.709243	0.007431	0.223677
	-0.19143	-2.70849	0.007447	0.223777
TRIT1;SMAP2;MYCBP	-0.27167	-2.70839	0.007449	0.223777
	-0.2375	-2.70872	0.007442	0.223777
KIF26A;IGHG2;IGHA1;C14orf2;IGHGP;PLD4;C14orf79;JAG2;IGH				
A2;IGHG4	-0.31014	-2.71006	0.007414	0.223451
	0.312035	2.70749	0.007469	0.223917
MRPS31;LINC00332;LHFP	-0.35574	-2.70422	0.007539	0.224574
	-0.4217	-2.70679	0.007484	0.224036
	0.216043	2.706288	0.007495	0.224186
	0.412939	2.708077	0.007456	0.223798
	0.189871	2.709746	0.00742	0.223558
	0.176013	2.708994	0.007436	0.223774
	-0.18339	-2.70616	0.007497	0.224241
TBC1D10C;ALDH3B1;MRGPRF;UNC93B1;PITPNM1;GSTP1	-0.27395	-2.71031	0.007408	0.22343
MISP;FSTL3;ARID3A;SHC2;PPAP2C;MOB3A;HMHA1;REEP6;GPX				
4	-0.24177	-2.70273	0.007572	0.224846
MBOAT1;ENSG00000226786;ENSG00000228412	0.314329	2.708455	0.007448	0.223777
C1orf216	-0.4669	-2.70654	0.007489	0.224117
INPP5A	-0.2696	-2.7045	0.007533	0.224574
	0.318665	2.706903	0.007481	0.223994
	-0.6351	-2.71023	0.00741	0.223448
ZNF660	-0.27157	-2.70597	0.007502	0.224315
EBF2;DPYSL2	-0.28483	-2.70721	0.007475	0.223994
	-0.20623	-2.70824	0.007453	0.223777
	-0.25246	-2.7032	0.007562	0.224739
B3GNT7	-0.32797	-2.70839	0.007449	0.223777
	-0.17932	-2.70547	0.007512	0.224394
	-0.30153	-2.707	0.007479	0.223994
	0.271984	2.704072	0.007543	0.224597
	0.174293	2.704144	0.007541	0.224597
	0.346238	2.707334	0.007472	0.223966
PKD1L1;TNS3	-0.35194	-2.70702	0.007479	0.223994

TSPAN4;ENSG00000251661;IFITM3;TALDO1;IFITM1;DEAF1	-0.29493	-2.70711	0.007477	0.223994
NTF3;CCND2;ANO2	-0.18267	-2.70866	0.007444	0.223777
	0.256496	2.704953	0.007524	0.224502
ITIH5	0.337147	2.704891	0.007525	0.224511
DAK	0.241977	2.708626	0.007444	0.223777
	-0.2841	-2.70831	0.007451	0.223777
PHTF1;BCL2L15;OLFML3;HIPK1;LRIG2;SLC16A1-AS1;MAGI3	0.322332	2.706573	0.007488	0.224113
	0.311998	2.708428	0.007448	0.223777
TSTA3;BAI1;LY6D;MROH6	-0.25989	-2.70694	0.007481	0.223994
	0.236909	2.707948	0.007459	0.223825
ENSG00000213080	-0.32351	-2.70849	0.007447	0.223777
	0.306969	2.706953	0.00748	0.223994
PLCG1	0.300284	2.708331	0.007451	0.223777
	0.318901	2.706489	0.00749	0.224127
PRF1	-0.20143	-2.70586	0.007504	0.224327
	0.226908	2.707483	0.007469	0.223917
	0.189171	2.707637	0.007466	0.223882
DNAJA4;ACSBG1;CTSH;ADAMTS7;WDR61;RASGRF1;IDH3A	-0.35929	-2.70364	0.007552	0.224639
	-0.39242	-2.70909	0.007434	0.223728
	-0.2987	-2.70693	0.007481	0.223994
GDPD5;CAPN5;ARRB1;UVRAG;B3GNT6	-0.56408	-2.70697	0.00748	0.223994
	0.273853	2.705447	0.007513	0.224394
	-0.16135	-2.70147	0.007599	0.22499
	0.217918	2.70824	0.007453	0.223777
ZNF101P2	-0.48337	-2.70691	0.007481	0.223994
	-0.24689	-2.70781	0.007462	0.223853
	0.282804	2.707824	0.007461	0.223853
	0.177468	2.706478	0.007491	0.224127
	0.306906	2.70858	0.007445	0.223777
	0.195398	2.707779	0.007462	0.223853
	0.276436	2.702027	0.007587	0.224921
	-0.20265	-2.7032	0.007562	0.224739
	0.347065	2.705614	0.007509	0.224341
	-0.8072	-2.70369	0.007551	0.224639
	-0.35398	-2.70711	0.007477	0.223994
	0.323891	2.704385	0.007536	0.224574
	-0.28925	-2.70533	0.007515	0.224394
TCF21;MOXD1;SLC2A12;TBPL1;EYA4;VNN3;SLC18B1;ENSG00000227954	0.367132	2.704243	0.007539	0.224574
	0.263252	2.706948	0.00748	0.223994
FAM81A	0.284791	2.705293	0.007516	0.224394
	0.411405	2.705703	0.007507	0.224327
SUN2;PDGFB;CBX7;DNAL4;FAM83F	-0.27981	-2.7054	0.007514	0.224394
	0.349393	2.702233	0.007583	0.224906

KAZN;RNU1-1;DDI2	-0.2642	-2.70372	0.00755	0.224639
	0.25768	2.707634	0.007466	0.223882
	-0.32998	-2.70643	0.007492	0.224129
	-0.31584	-2.70703	0.007479	0.223994
DAXX	0.398553	2.705312	0.007516	0.224394
	0.300221	2.707063	0.007478	0.223994
FGD5;ZFYVE20;GRIP2;ANKRD28;TPRXL;TMEM43;BTD;HACL1;E				
NSG00000251576;ENSG00000228242	0.291187	2.70529	0.007516	0.224394
PDZD2;ENSG00000272086	-0.2824	-2.70749	0.007469	0.223917
	0.267806	2.703514	0.007555	0.224668
	-0.40829	-2.70496	0.007523	0.224502
	0.415535	2.704223	0.007539	0.224574
	0.326821	2.7039	0.007546	0.224605
	0.2646	2.702076	0.007586	0.224912
	0.260855	2.705733	0.007507	0.224327
	0.251127	2.704346	0.007537	0.224574
	0.229621	2.703937	0.007546	0.224597
HOOK3	-0.33139	-2.70605	0.0075	0.224276
	0.240105	2.705684	0.007508	0.224327
	-0.26282	-2.7053	0.007516	0.224394
	0.341562	2.704756	0.007528	0.224567
	0.267743	2.705739	0.007507	0.224327
FAM81B;ENSG00000225165;CAST;MCTP1	-0.33818	-2.70077	0.007615	0.225079
BCL11B;DEGS2;WARS;EVL;ENSG00000225746;MEG3	0.457615	2.705106	0.00752	0.224468
	0.270147	2.703978	0.007545	0.224597
ENSG00000269353	-0.32937	-2.70627	0.007495	0.224186
	0.200297	2.704921	0.007524	0.224507
	0.198722	2.706126	0.007498	0.224245
	0.278579	2.704324	0.007537	0.224574
	0.237862	2.707734	0.007463	0.223865
MRGPRF;ENSG00000256508	0.484082	2.706759	0.007484	0.224038
	0.233084	2.704268	0.007538	0.224574
CIAO1;ENSG00000259848	-0.32787	-2.70587	0.007504	0.224327
	0.362682	2.704954	0.007524	0.224502
ABHD2;KIF7;FANCI;MFGE8;NTRK3	-0.30523	-2.70636	0.007493	0.224157
	0.251933	2.704073	0.007543	0.224597
ENSG00000213222;C2orf27A;PLEKHB2;CCDC74A;CCDC74B;PT				
PN18	0.26996	2.704784	0.007527	0.224565
EVC;S100P;STK32B;EVC2	-0.37672	-2.7051	0.00752	0.224468
	0.249471	2.702994	0.007566	0.224761
	-0.31348	-2.70576	0.007506	0.224327
	-0.34925	-2.70472	0.007529	0.224574
	-0.24551	-2.70236	0.00758	0.224906
	0.256459	2.704623	0.007531	0.224574
DOC2B;YWHAE;GLOD4;SCARF1	-0.31032	-2.70245	0.007578	0.224887
	0.252439	2.704214	0.00754	0.224574
	0.256115	2.703264	0.00756	0.224739

FIZ1;LENG9;TMC4	0.375264	2.704444	0.007535	0.224574
	0.366468	2.703939	0.007546	0.224597
	0.489904	2.705709	0.007507	0.224327
	0.359036	2.705658	0.007508	0.224328
	-0.35798	-2.70433	0.007537	0.224574
	0.234334	2.705513	0.007511	0.224391
	0.320867	2.703131	0.007563	0.224744
	-0.3408	-2.70333	0.007559	0.224723
	-0.33419	-2.70296	0.007567	0.224761
	0.244106	2.701667	0.007595	0.224985
MSI2;DGKE;EPX PRF1	0.214241	2.700818	0.007614	0.225079
	0.30966	2.703781	0.007549	0.224639
	-0.38835	-2.70504	0.007522	0.224495
	0.2776	2.69625	0.007715	0.225928
	0.249895	2.704473	0.007534	0.224574
	0.295537	2.701967	0.007589	0.224921
	-0.37181	-2.70271	0.007572	0.224846
	-0.35916	-2.70526	0.007517	0.2244
	0.254477	2.70087	0.007613	0.225079
	0.196609	2.701588	0.007597	0.224985
LMCD1;THUMPD3 FYTTD1	-0.49626	-2.70221	0.007583	0.224906
	-0.29257	-2.7043	0.007538	0.224574
	0.201599	2.702608	0.007575	0.224886
	-0.17915	-2.70384	0.007548	0.224631
	0.264992	2.703696	0.007551	0.224639
	0.171065	2.704285	0.007538	0.224574
	0.299778	2.701286	0.007604	0.22499
	-0.16284	-2.70025	0.007626	0.225221
	-0.35614	-2.70402	0.007544	0.224597
	0.273279	2.701252	0.007604	0.22499
RN7SL517P	0.293773	2.70112	0.007607	0.225049
	HIST1H3A;HIST1H4C;HIST1H4H;HIST1H2BB;HIST1H3B;HIST1H2 BF;HIST1H3C;HIST1H4F;HIST1H3F;HIST1H3D;PPIAP29;HIST1H1 D;HIST1H2BH;HIST1H2AB;HIST1H4B;HIST1H1A;HIST1H2BC;HIST 1H2AE;HIST1H2BG			
	0.259894	2.700962	0.007611	0.225058
	-0.16324	-2.70253	0.007576	0.224886
	-0.65829	-2.69957	0.007641	0.225321
	0.437517	2.704404	0.007535	0.224574
	-0.36982	-2.69834	0.007668	0.22547
	-0.16914	-2.7034	0.007557	0.224722
	-0.20434	-2.70225	0.007582	0.224906
	0.423905	2.702235	0.007583	0.224906
BAI3;COL19A1	0.159956	2.702118	0.007585	0.224912
	ENSG00000231615;DNM3;ENSG00000203739			
	0.265719	2.70363	0.007552	0.224639
	0.220206	2.702465	0.007578	0.224887
	0.325552	2.702162	0.007584	0.224906
	-0.29205	-2.70258	0.007575	0.224886



NUMB	-0.18617	-2.69761	0.007684	0.225603
	0.313557	2.701932	0.007589	0.224927
	0.30712	2.703342	0.007559	0.224723
	0.224801	2.701976	0.007588	0.224921
PRSS22;IL32;ABCA3;PAQR4;CCDC64B;ENSG00000262370;ENSG00000205890;C16orf59;ZNF263	-0.24911	-2.70158	0.007597	0.224985
	-0.34119	-2.70321	0.007562	0.224739
	0.277345	2.704656	0.00753	0.224574
	0.231354	2.701264	0.007604	0.22499
	0.205298	2.704452	0.007534	0.224574
	0.322823	2.704044	0.007543	0.224597
	0.26386	2.702725	0.007572	0.224846
	-0.35563	-2.7037	0.007551	0.224639
PAX1	-0.3754	-2.70216	0.007584	0.224906
ENSG00000268172	0.188556	2.70126	0.007604	0.22499
	-0.18287	-2.70165	0.007596	0.224985
GPATCH8	0.214549	2.703132	0.007563	0.224744
RUNX1T1	0.321288	2.703382	0.007558	0.224722
	-0.42346	-2.70293	0.007568	0.224761
MXRA7	0.253841	2.700079	0.00763	0.225246
	-0.34373	-2.70008	0.00763	0.225246
	0.237079	2.700591	0.007619	0.225158
	0.311658	2.702081	0.007586	0.224912
	-0.28828	-2.70407	0.007543	0.224597
	-0.29958	-2.70298	0.007566	0.224761
	-0.30384	-2.70249	0.007577	0.224887
	0.388259	2.701596	0.007597	0.224985
ENSG00000213222;PLEKHB2	-0.20375	-2.70294	0.007567	0.224761
	-0.29291	-2.70398	0.007545	0.224597
	0.224614	2.703591	0.007553	0.224649
	0.224614	2.703591	0.007553	0.224649
ENSG00000261183;DLL4;RMDN3;C15orf52;LTK;MGA;ENSG00000259536;SRP14-AS1 SH2D2A	-0.28562	-2.70256	0.007576	0.224886
	0.302465	2.702159	0.007584	0.224906
	0.186557	2.700359	0.007624	0.225201
	0.186666	2.700761	0.007615	0.225079
	-0.37076	-2.69832	0.007669	0.22547
	-0.16871	-2.70352	0.007555	0.224668
	0.174488	2.703187	0.007562	0.224739
	0.247214	2.700492	0.007621	0.225191
CASS4	-0.23604	-2.7014	0.007601	0.22499
	-0.17918	-2.70186	0.007591	0.224942
	-0.38416	-2.70051	0.00762	0.225191
TBC1D4	-0.26143	-2.70123	0.007605	0.22499
	0.222442	2.701278	0.007604	0.22499
	-0.26833	-2.70366	0.007552	0.224639
	-0.2125	-2.70099	0.00761	0.225058
	0.348141	2.701828	0.007592	0.224947

AIM2;ENSG00000213080;FCRL6;LY9	0.269073	2.702919	0.007568	0.224761
CNIH1	0.31204	2.701966	0.007589	0.224921
ARHGAP29;ABCD3;GCLM;DNTTIP2;TMED5	-0.32132	-2.70231	0.007581	0.224906
	0.180336	2.701299	0.007603	0.22499
	0.285136	2.699656	0.007639	0.225318
PPP1R10	-0.37481	-2.6968	0.007702	0.22584
	0.264405	2.702158	0.007584	0.224906
PARVG	-0.53887	-2.70291	0.007568	0.224761
	0.214519	2.699275	0.007648	0.225436
	-0.27849	-2.70097	0.007611	0.225058
	-0.2792	-2.69631	0.007713	0.225928
	-0.21511	-2.70013	0.007629	0.225246
C1orf186;SLC41A1;RAB7L1;KLHDC8A	0.294057	2.699248	0.007648	0.225439
	-0.50187	-2.70308	0.007564	0.224758
	0.307864	2.701039	0.007609	0.225058
	0.28046	2.701806	0.007592	0.224947
	0.319755	2.698433	0.007666	0.22547
SERPINB6;SERPINB1;WRNIP1;SLC22A23;FAM50B	-0.22231	-2.69973	0.007638	0.225318
CORO2B;ENSG00000245750;PAQR5;ENSG00000259641;ENSG00000259426	-0.33833	-2.70124	0.007605	0.22499
	-0.29286	-2.69985	0.007635	0.225299
	0.256534	2.702194	0.007584	0.224906
TNRC6C;ST6GALNAC2;ST6GALNAC1;ENSG00000267506	-0.25421	-2.69842	0.007667	0.22547
HEBP1;LRP6;GRIN2B	0.296571	2.699625	0.00764	0.225318
	0.278257	2.700278	0.007626	0.225221
CLUAP1;ZNF263	0.378496	2.701748	0.007593	0.224953
	0.337901	2.701444	0.0076	0.22499
ZNF3;PCOLCE;ZKSCAN1;STAG3;BUD31;KPNA7;GAL3ST4;ENSG0000239521;AP4M1	0.337692	2.698442	0.007666	0.22547
	0.261065	2.700297	0.007625	0.225221
TTC16;ST6GALNAC6;COQ4;C9orf117;ANGPTL2;AK1;SNORA65;TOR2A;DNM1;CDK9;GARNL3;STXBP1;RALGPS1	-0.28889	-2.7013	0.007603	0.22499
	0.249199	2.70132	0.007603	0.22499
	-0.20455	-2.70254	0.007576	0.224886
	0.239536	2.701008	0.00761	0.225058
	-0.24444	-2.69348	0.007776	0.226543
	0.22274	2.698727	0.00766	0.22547
	-0.20296	-2.701	0.00761	0.225058
AHNAK2;GPR132	-0.20988	-2.70178	0.007593	0.224951
	0.307342	2.701265	0.007604	0.22499
	0.383335	2.700383	0.007623	0.225201
LINC00964	-0.25206	-2.69802	0.007675	0.225498
	0.266569	2.698188	0.007672	0.22549
	-0.29693	-2.69645	0.00771	0.225914
	-0.23249	-2.69503	0.007742	0.226117
	0.278199	2.698433	0.007666	0.22547
TPCN2;CTTN;ANO1	-0.23221	-2.69891	0.007656	0.22547

EFEMP2;TM7SF2;NRXN2;LTBP3;CST6;PRDX5;PYGM;VEGFB;ZNH				
IT2;NAALADL1;SF3B2;SNX15;MRPL49;FIBP	-0.32209	-2.69836	0.007668	0.22547
RALGPS2	-0.30926	-2.70045	0.007622	0.225201
	0.160687	2.698691	0.007661	0.22547
	-0.2354	-2.69801	0.007676	0.225498
	-0.30806	-2.70036	0.007624	0.225201
C4A;NOTCH4;ENSG00000225914	-0.48781	-2.69991	0.007634	0.225272
	0.208841	2.698694	0.007661	0.22547
	0.230931	2.699338	0.007646	0.225436
	0.360809	2.698765	0.007659	0.22547
PWWP2B	-0.29061	-2.69957	0.007641	0.225321
NT5C3A;BBS9	-0.33251	-2.69872	0.00766	0.22547
	0.241445	2.699935	0.007633	0.225272
	-0.57352	-2.69793	0.007677	0.225509
	0.292753	2.700036	0.007631	0.225254
	0.486993	2.700899	0.007612	0.225079
GSTM3;HENMT1;CYB561D1;CSF1	0.217169	2.699631	0.00764	0.225318
	0.287066	2.700381	0.007623	0.225201
GOLGA3	0.353128	2.699952	0.007633	0.225272
	-0.285	-2.70189	0.00759	0.224938
	-0.27496	-2.6985	0.007665	0.22547
	0.305867	2.700072	0.00763	0.225246
IL32;ENSG00000262370;C16orf71;CDIP1;CLUAP1;GLIS2	-0.31612	-2.70077	0.007615	0.225079
	-0.36372	-2.69965	0.007639	0.225318
ATP2C2;TLDC1	-0.248	-2.69803	0.007675	0.225498
	0.234381	2.6988	0.007658	0.22547
USP49	0.277785	2.699012	0.007653	0.22547
	-0.31292	-2.6986	0.007663	0.22547
TSSC1	0.31631	2.697487	0.007687	0.225666
	0.289118	2.698522	0.007664	0.22547
	0.344726	2.699767	0.007637	0.225318
	-0.2465	-2.69824	0.007671	0.225472
SRPR	-0.22315	-2.69651	0.007709	0.225914
	0.233387	2.699968	0.007632	0.225272
	-0.18583	-2.69783	0.00768	0.225509
	0.228244	2.697333	0.007691	0.225729
	-0.16774	-2.69387	0.007767	0.226459
C11orf21;TSPAN32	-0.48953	-2.70077	0.007615	0.225079
	0.237325	2.700635	0.007618	0.225145
	-0.26667	-2.69971	0.007638	0.225318
	0.266674	2.695888	0.007723	0.225977
HOXA-AS2;HOXA2;HOXA5;HOXA3;TAX1BP1	-0.38915	-2.69897	0.007654	0.22547
	0.144596	2.697837	0.007679	0.225509
	-0.39153	-2.69918	0.00765	0.225467
CCDC109B	-0.43275	-2.7001	0.007629	0.225246
TRIM25	0.384372	2.696143	0.007717	0.225928
GPSM3;LTB;TAPSAR1;HCP5	-0.26152	-2.69839	0.007667	0.22547

IL17RD;DENND6A;FLNB;RNF7P1;ERC2;ASB14;DNAH12 LTBP4;PRX;AXL	0.303519	2.696018	0.00772	0.225939
	-0.35737	-2.6997	0.007638	0.225318
	0.272482	2.697737	0.007682	0.225535
	0.146258	2.699067	0.007652	0.22547
	-0.35834	-2.69843	0.007666	0.22547
ACACB	-0.31931	-2.69887	0.007657	0.22547
	0.243797	2.697439	0.007688	0.225682
	-0.2286	-2.69717	0.007694	0.225757
	0.275365	2.698262	0.00767	0.225472
	0.310398	2.700108	0.007629	0.225246
DNAJB9 MISP;ARID3A;PPAP2C;HMHA1;SHC2;GPX4;REEP6 CALHM2;USMG5;NT5C2;MGEA5	0.457846	2.698967	0.007654	0.22547
	0.343165	2.696839	0.007702	0.225839
	-0.26833	-2.69585	0.007724	0.225977
	-0.24944	-2.69928	0.007648	0.225436
	-0.42077	-2.69808	0.007674	0.225498
SMOC2;MLLT4	-0.24972	-2.69855	0.007664	0.22547
	-0.44955	-2.69783	0.00768	0.225509
	0.324642	2.698534	0.007664	0.22547
	-0.36176	-2.69787	0.007679	0.225509
	-0.37103	-2.69884	0.007657	0.22547
GPR157;ENO1	0.269349	2.69931	0.007647	0.225436
	0.270056	2.697169	0.007694	0.225757
	-0.38805	-2.69835	0.007668	0.22547
	-0.36735	-2.6985	0.007665	0.22547
	0.305869	2.698137	0.007673	0.225498
SLBP	-0.30395	-2.69591	0.007722	0.225977
	-0.21006	-2.69716	0.007694	0.225757
	0.279157	2.697231	0.007693	0.225755
	0.220902	2.697096	0.007696	0.225765
	-0.37494	-2.69379	0.007769	0.226478
PCDH1;CD14;PCDH12;TMCO6;KIAA0141	0.263481	2.696588	0.007707	0.22591
	0.301369	2.695388	0.007734	0.22607
	-0.40202	-2.69616	0.007717	0.225928
	-0.28849	-2.69697	0.007699	0.225832
	-0.22208	-2.69639	0.007711	0.225928
TENC1 CCDC158	0.389049	2.69849	0.007665	0.22547
	0.219677	2.699549	0.007642	0.225321
	0.25099	2.69664	0.007706	0.22591
	0.253452	2.692812	0.007791	0.226667
	0.339945	2.69899	0.007654	0.22547
TBC1D10C PPOX;SLAMF1;OLFML2B;USP21;NR1I3	0.363887	2.69891	0.007656	0.22547
	-0.37358	-2.69828	0.00767	0.225472
	0.284752	2.69837	0.007668	0.22547
	0.350111	2.696438	0.00771	0.225914
	0.256361	2.69679	0.007703	0.22584
TMEM255B;GAS6	0.254767	2.695952	0.007721	0.225967
	-0.38354	-2.6979	0.007678	0.225509

TSG101;UEVLD;NUCB2;SPTY2D1	0.247424	2.693904	0.007767	0.226459
WNT9A	-0.3405	-2.69257	0.007797	0.22676
	0.368882	2.697874	0.007679	0.225509
	-0.38517	-2.69622	0.007715	0.225928
	-0.27581	-2.69838	0.007667	0.22547
	-0.33865	-2.69873	0.00766	0.22547
	0.452695	2.693429	0.007777	0.226543
	-0.35298	-2.69774	0.007682	0.225535
C12orf49;MED13L;RNFT2;HRK	-0.35302	-2.69831	0.007669	0.22547
PTP4A2P2	0.196889	2.694783	0.007747	0.226187
	0.180439	2.695762	0.007725	0.225998
THEM4;SNAPIN	0.343202	2.69649	0.007709	0.225914
	-0.2908	-2.69385	0.007768	0.226459
ZMIZ1;PPIF;TMEM254	0.242247	2.695077	0.007741	0.226105
	0.240747	2.691741	0.007815	0.226959
	-0.41061	-2.69687	0.007701	0.225839
CMKLR1	-0.24006	-2.6956	0.007729	0.22607
	0.240851	2.695075	0.007741	0.226105
	0.267702	2.698103	0.007674	0.225498
	-0.35498	-2.69555	0.00773	0.22607
	0.398702	2.696314	0.007713	0.225928
	0.354847	2.696844	0.007701	0.225839
CCT5;ENSG00000250001	-0.46026	-2.69478	0.007747	0.226187
	0.264738	2.696886	0.0077	0.225839
HNF4G	-0.47411	-2.69614	0.007717	0.225928
	0.208202	2.696629	0.007706	0.22591
FLI1;TP53AIP1	0.331254	2.695353	0.007735	0.22607
	0.205779	2.696172	0.007716	0.225928
	0.342079	2.694546	0.007752	0.226248
PRKCZ;SKI	-0.66221	-2.69812	0.007673	0.225498
ARHGEF10L;AKR7A2	0.230023	2.695259	0.007737	0.22607
ENSG00000272144	0.174471	2.696906	0.0077	0.225839
FANK1;ADAM12;FANK1-				
AS1;LHPP;DHX32;BCCIP;ENSG00000258539	-0.41381	-2.69522	0.007737	0.22607
	0.340629	2.694552	0.007752	0.226248
ANKH;RBBP4P1;DNAH5;TRIO	-0.43043	-2.69713	0.007695	0.22576
GNA12;IQCE;CHST12	-0.58616	-2.69726	0.007692	0.225755
TNXB;HLA-DOA	0.354669	2.697318	0.007691	0.225729
	-0.16514	-2.69543	0.007733	0.22607
CPXM2;LHPP	-0.36006	-2.6951	0.00774	0.226105
	-0.31663	-2.69293	0.007789	0.226667
	0.221014	2.696249	0.007715	0.225928
	0.2386	2.692912	0.007789	0.226667
PVRL4;F11R;ENSG00000213080;SDHC;MPZ;TSTD1;ATP1A2;UFC				
1;NCSTN;OLFML2B;ADAMTS4;C1orf192	-0.28654	-2.69529	0.007736	0.22607
	-0.30726	-2.6966	0.007707	0.22591
	-0.27739	-2.6947	0.007749	0.226198

	0.376719	2.69627	0.007714	0.225928
PAQR3	-0.43195	-2.69119	0.007828	0.227093
	-0.3332	-2.69469	0.007749	0.226198
SELPLG	-0.26018	-2.69207	0.007808	0.226877
	-0.37022	-2.69607	0.007719	0.225928
	0.274144	2.692326	0.007802	0.226783
	0.325488	2.695117	0.00774	0.226105
	-0.14368	-2.69413	0.007762	0.226346
HUS1	0.261262	2.695306	0.007736	0.22607
	0.334308	2.69606	0.007719	0.225928
	0.351414	2.696088	0.007718	0.225928
BLOC1S4	0.343848	2.694973	0.007743	0.22614
	0.253816	2.696516	0.007709	0.225914
	0.251819	2.694228	0.00776	0.226346
	0.286874	2.694885	0.007745	0.226166
DNASE1L3;FLNB	0.286476	2.696482	0.007709	0.225914
ENSG00000260977;EPCAM;EPAS1;SOCS5	0.249073	2.691287	0.007825	0.227093
	0.205043	2.694148	0.007761	0.226346
	0.405707	2.694461	0.007754	0.226257
	0.331178	2.695485	0.007732	0.22607
	-0.31085	-2.6942	0.00776	0.226346
DOPEY2;TTC3;CBR3-AS1;HLCS	-0.47662	-2.69362	0.007773	0.226543
	0.151373	2.694847	0.007746	0.226175
SLC37A1;ICOSLG;CSTB;PDE9A;TRAPPC10;ENSG00000225331;C BS;UBASH3A	-0.74641	-2.69371	0.007771	0.226511
	-0.3115	-2.69584	0.007724	0.225977
	0.261207	2.693841	0.007768	0.226459
	0.237465	2.695571	0.00773	0.22607
	0.282068	2.69535	0.007735	0.22607
	0.217945	2.695635	0.007728	0.226065
	-0.2038	-2.69168	0.007817	0.226959
	-0.18365	-2.69333	0.00778	0.226561
	-0.22373	-2.69095	0.007833	0.227174
HN1;ENSG00000263786;ST6GALNAC1;UBALD2	-0.23394	-2.69451	0.007753	0.226252
RPL13AP5;ENSG00000269948	0.236339	2.694615	0.007751	0.226234
	-0.21416	-2.69581	0.007724	0.225984
LTBP3;PYGM;NAALADL1;VEGFB;BATF2;NRXN2;STIP1;TM7SF2;R NASEH2C	0.516935	2.696098	0.007718	0.225928
CHD7	-0.28962	-2.69527	0.007736	0.22607
ADAMTS9-AS2	0.399562	2.693947	0.007766	0.226452
SNORA20	0.224869	2.692887	0.00779	0.226667
	0.313024	2.693027	0.007786	0.226667
SLC35F2;CWF19L2;KDELC2;ELMOD1;EXPH5	-0.30699	-2.69078	0.007837	0.227207
THBS2	0.490808	2.693	0.007787	0.226667
MEIG1;C10orf111;CDNF;RPP38;FAM107B;ACBD7	-0.28755	-2.69342	0.007778	0.226543
PDZD8	0.308507	2.693407	0.007778	0.226543

NRXN2;PRDX5;EFEMP2;TM7SF2;PYGM;LTBP3;CST6;RASGRP2; MAP4K2;PPP2R5B;YIF1A;EHBP1L1;SIPA1;SF3B2;ZNHIT2;MAP3K 11;SLC25A45;NAALADL1;MRPL49;CNIH2;SNX15;FIBP;BANF1	-0.37771	-2.69489	0.007745	0.226166
	0.338577	2.69539	0.007734	0.22607
	-0.36109	-2.69449	0.007754	0.226252
	-0.23472	-2.69535	0.007735	0.22607
CLN8;ARHGEF10	-0.29074	-2.69155	0.00782	0.227012
ENSG00000261889	0.225633	2.689305	0.00787	0.227768
	0.237155	2.694168	0.007761	0.226346
	-0.22937	-2.68997	0.007855	0.227588
	0.193395	2.694273	0.007759	0.226333
ZBTB46;STMN3;PTK6	-0.27343	-2.69524	0.007737	0.22607
	0.16333	2.692044	0.007808	0.226877
C5orf42;ENSG00000248969;SPEF2	-0.37869	-2.69341	0.007778	0.226543
	0.240927	2.692472	0.007799	0.22678
	0.296506	2.692007	0.007809	0.226877
	-0.32886	-2.69442	0.007755	0.226265
	-0.41511	-2.69298	0.007788	0.226667
	0.302365	2.693282	0.007781	0.226561
BDKRB2;CLMN;SYNE3;LINC00341	0.250999	2.69117	0.007828	0.227093
FBXO11	0.155448	2.693587	0.007774	0.226543
	-0.47679	-2.69355	0.007775	0.226543
	0.285315	2.694711	0.007749	0.226198
	0.194011	2.693607	0.007773	0.226543
	0.167106	2.691949	0.007811	0.226877
	0.310316	2.689376	0.007869	0.227737
	-0.18957	-2.69538	0.007734	0.22607
PDLIM7;ARL10;FGFR4;DBN1;PRR7;TSPAN17	-0.45236	-2.69061	0.007841	0.227238
	-0.26237	-2.69432	0.007758	0.22632
	-0.25567	-2.69296	0.007788	0.226667
	-0.33221	-2.69119	0.007828	0.227093
	-0.233	-2.69258	0.007797	0.22676
FGD3	-0.24318	-2.69099	0.007832	0.227161
PCYT2;WDR45B;LRRC45;MAFG- AS1;CCDC57;ENSG00000265678;METRNL;B3GNTL1	-0.33466	-2.69247	0.007799	0.22678
KHK;KRTCAP3	-0.44548	-2.69331	0.00778	0.226561
	0.317923	2.691127	0.007829	0.227102
RNF216;CYTH3;ENSG00000230733;AIMP2;RAC1	-0.41296	-2.68943	0.007867	0.227737
COASY;KRT19;PSME3	-0.29835	-2.6932	0.007782	0.226596
EFHD1;NGEF	-0.30722	-2.69349	0.007776	0.226543
	0.243114	2.690688	0.007839	0.227235
C5AR1	0.238738	2.692333	0.007802	0.226783
	0.254875	2.692873	0.00779	0.226667
	0.381861	2.687857	0.007903	0.228161
SMOC2	0.307034	2.692813	0.007791	0.226667
	0.284917	2.692819	0.007791	0.226667

RASAL3;TECR;DNAJB1;SYDE1;GIPC1;AP1M1	0.339378	2.692784	0.007792	0.226669
	-0.18625	-2.69286	0.00779	0.226667
PILRA	0.340194	2.692386	0.007801	0.22678
	-0.25577	-2.69165	0.007817	0.22696
	0.287258	2.692108	0.007807	0.226877
	0.341944	2.69263	0.007795	0.226754
	-0.32079	-2.69147	0.007821	0.227047
	0.34521	2.688704	0.007884	0.227856
	-0.29645	-2.69345	0.007777	0.226543
	0.209723	2.69178	0.007814	0.226956
ACVR1B;GRASP;ITGB7;ACVRL1;OR7E47P;KRT18;KRT80;ATP5G2	-0.36272	-2.69061	0.007841	0.227238
	-0.2355	-2.69252	0.007798	0.22678
	0.456068	2.691252	0.007826	0.227093
	0.185769	2.687242	0.007917	0.228277
	-0.32512	-2.68322	0.008009	0.229065
TNS1;SPEG	-0.23909	-2.68848	0.007889	0.227941
	0.2558	2.688958	0.007878	0.227841
	0.22155	2.691421	0.007822	0.227065
	-0.29597	-2.6917	0.007816	0.226959
TEAD2;PLA2G4C;CPT1C;EHD2;RUVBL2;EMP3;RASIP1;CA11;RRAS;RCN3;FAM83E;SEPW1;CCDC114;PPFIA3;NTF4;DBP;HRC;PRRG2;ZNF114;CYTH2;ADM5;FUT1;PLEKHA4;FCGRT;MAMSTR;PPP1R15A;GYS1	-0.3447	-2.69116	0.007828	0.227093
	0.249395	2.689661	0.007862	0.227705
	-0.2677	-2.69239	0.007801	0.22678
	-0.31916	-2.69199	0.00781	0.226877
	-0.26257	-2.69178	0.007814	0.226956
PCYT2;MAFG-AS1;LRRC45	-0.22091	-2.69169	0.007816	0.226959
	0.360365	2.69082	0.007836	0.227195
	0.366302	2.693302	0.00778	0.226561
ZBTB9	-0.27917	-2.69106	0.007831	0.22713
SNX33	-0.2999	-2.69087	0.007835	0.227192
UBXN7-AS1	0.277322	2.690876	0.007835	0.227192
	-0.2316	-2.69066	0.00784	0.227238
	-0.21564	-2.68938	0.007868	0.227737
	0.395723	2.69196	0.00781	0.226877
	-0.27159	-2.69204	0.007808	0.226877
EZR;FNDC1;DYNLT1;RSPH3;TAGAP;TCP1	0.340015	2.691238	0.007827	0.227093
	-0.34842	-2.68569	0.007952	0.228596
	-0.33417	-2.68982	0.007859	0.227649
	-0.30288	-2.69212	0.007807	0.226877
	-0.33322	-2.68945	0.007867	0.227737
	0.423954	2.692402	0.0078	0.22678
	0.430805	2.692378	0.007801	0.22678
	0.227846	2.691944	0.007811	0.226877
	-0.23355	-2.69014	0.007851	0.227512



	0.196529	2.689515	0.007865	0.227737
	-0.2933	-2.68871	0.007884	0.227856
	0.259576	2.689818	0.007859	0.227649
LYPLA1	-0.17703	-2.68865	0.007885	0.227856
COASY;ACLY;ENSG00000236194	0.213143	2.689434	0.007867	0.227737
	-0.32774	-2.69135	0.007824	0.227093
	-0.35565	-2.68836	0.007892	0.227976
SDC4;WFDC3;PIGT;DNTTIP1;TOMM34;PCIF1;SYS1;WISP2;WFD				
C2;CD40;ADA;HSPD1P21	-0.28624	-2.69085	0.007835	0.227192
DYNLL1;COX6A1	-0.26432	-2.68652	0.007933	0.228424
	-0.2428	-2.689	0.007877	0.227841
	0.303605	2.682848	0.008017	0.229162
	0.337708	2.685692	0.007952	0.228596
MLH3	-0.22086	-2.68948	0.007866	0.227737
	0.315663	2.687896	0.007902	0.228161
	-0.36509	-2.68897	0.007878	0.227841
	0.264578	2.689768	0.00786	0.227666
CGN;ENSG00000269621;RORC	0.250749	2.690739	0.007838	0.227217
RBM23;C14orf119;CDH24;SLC22A17	0.284273	2.690482	0.007844	0.227308
	0.353524	2.688679	0.007884	0.227856
GLB1L3	-0.29826	-2.68707	0.007921	0.228277
	0.529529	2.689959	0.007855	0.227588
ZDHC18;PTAFR;XKR8	-0.25674	-2.68866	0.007885	0.227856
	0.226683	2.690026	0.007854	0.227575
CD2	-0.36217	-2.6876	0.007909	0.228222
TIE1;ATP6V0B;ELOVL1;C1orf210;TMEM125;SLC2A1;EBNA1BP2;				
SZT2;ERI3	-0.28907	-2.69122	0.007827	0.227093
ABHD3	-0.42163	-2.68857	0.007887	0.227898
	0.172187	2.689026	0.007876	0.227841
	-0.34314	-2.68942	0.007868	0.227737
	0.239161	2.689735	0.00786	0.227672
	-0.27377	-2.68767	0.007907	0.228207
CLSTN3;IFFO1;CD9;CD27;PLEKHG6;LEPREL2;VWF;SCNN1A;ANO				
2;RBP5;C1R;C1S;C1RL	-0.34917	-2.68927	0.007871	0.227774
	0.356877	2.68896	0.007878	0.227841
SEMA3G;ITIH3;STAB1;PRKCD;PBRM1;SPCS1	0.214511	2.689586	0.007864	0.227737
FOXJ2;ATN1;ENSG00000257084;LEPREL2;FAM66C;SPSB2	-0.35365	-2.68872	0.007883	0.227856
ACACB;WSCD2;FICD	-0.33215	-2.68527	0.007962	0.228686
CACNA1C-AS4	-0.28081	-2.68799	0.0079	0.228124
IQCE	-0.39966	-2.68457	0.007978	0.22893
	-0.37897	-2.6889	0.007879	0.227856
	-0.19508	-2.68837	0.007891	0.227976
PFKM;FMNL3;RAPGEF3;VDR;ENSG00000205537;DDX23;TMBI				
M6;TUBA1C;LMBR1L	-0.21522	-2.68737	0.007914	0.228277
	-0.34391	-2.6881	0.007897	0.228093
	-0.2606	-2.68663	0.007931	0.228398
	-0.19539	-2.68835	0.007892	0.227976

SLC22A23;SERPINB6;WRNIP1;TUBB2A;GMDS	-0.31457	-2.68872	0.007883	0.227856
	0.250899	2.686747	0.007928	0.228365
TSPAN1;LURAP1	-0.30382	-2.68952	0.007865	0.227737
	-0.37311	-2.68707	0.007921	0.228277
FHL2	0.309289	2.687124	0.00792	0.228277
	-0.23738	-2.68868	0.007884	0.227856
ADPRHL1	-0.23368	-2.68786	0.007903	0.228161
	0.277339	2.687218	0.007917	0.228277
DSP	-0.35063	-2.68768	0.007907	0.228207
PTPRN2	0.447009	2.688754	0.007883	0.227856
	0.274567	2.685852	0.007949	0.228565
	0.212863	2.687984	0.0079	0.228124
CLIC6	-0.43373	-2.68694	0.007924	0.228313
LILRB1;SUV420H2	-0.66247	-2.68729	0.007916	0.228277
	0.287184	2.68718	0.007918	0.228277
	0.280325	2.68556	0.007955	0.228637
	0.34744	2.689217	0.007872	0.227795
	0.271359	2.687439	0.007912	0.228277
CRTC3;FES;CIB1;WDR93;PEX11A;ENSG00000259561;KIF7	-0.30848	-2.68487	0.007971	0.228856
NLRP2;GP6	0.342376	2.686261	0.007939	0.22851
	0.280179	2.68611	0.007943	0.228512
	-0.24873	-2.68597	0.007946	0.228554
	0.224724	2.682975	0.008014	0.229151
	0.410784	2.688304	0.007893	0.227992
HSPG2	-0.31611	-2.68713	0.007919	0.228277
EXOC3L4;TNFAIP2;WDR20;MOK	-0.22133	-2.6876	0.007909	0.228222
SMIM5;SLC16A5;FDXR;RNF157-AS1	0.268422	2.687397	0.007913	0.228277
CCR4	0.271184	2.68783	0.007904	0.228164
AZGP1;AGFG2;CNPY4;ENSG00000239521;STAG3	-0.27469	-2.68267	0.008021	0.22921
	-0.23852	-2.68412	0.007988	0.228955
CCDC37;CHCHD6;PODXL2	-0.33242	-2.68657	0.007932	0.228419
ZMAT4	0.34012	2.688008	0.0079	0.228124
	-0.24071	-2.68692	0.007924	0.228315
	0.504202	2.684126	0.007988	0.228955
	-0.16783	-2.68635	0.007937	0.228489
LSP1	-0.20286	-2.68533	0.00796	0.228682
UQCC2;PFDN6	-0.2809	-2.68906	0.007876	0.227841
EVI2B	-0.27066	-2.6829	0.008016	0.229162
ENSG00000262601;COX4I1	0.332726	2.687394	0.007913	0.228277
NOVA2	-0.24076	-2.68684	0.007926	0.228334
	-0.34941	-2.68551	0.007956	0.228643
	-0.33277	-2.68505	0.007967	0.2288
ZNF44	-0.19354	-2.68312	0.008011	0.229094
PHLDB1;ENSG00000255176	0.329402	2.686148	0.007942	0.228512
	0.313371	2.687102	0.00792	0.228277
	0.25622	2.686762	0.007928	0.228365
	-0.28104	-2.68712	0.00792	0.228277

APBB2;RBM47 PARP11	0.269567	2.687437	0.007912	0.228277
	0.361478	2.687169	0.007919	0.228277
	0.227854	2.687671	0.007907	0.228207
	0.400896	2.687332	0.007915	0.228277
	-0.2838	-2.68489	0.00797	0.228856
	0.318145	2.686883	0.007925	0.228322
	-0.18318	-2.68653	0.007933	0.228424
	-0.26874	-2.68473	0.007974	0.228889
	-0.22019	-2.68366	0.007999	0.229018
	0.26475	2.687086	0.00792	0.228277
	0.292356	2.687687	0.007907	0.228207
	-0.37108	-2.68666	0.00793	0.22839
	-0.28598	-2.68866	0.007885	0.227856
	0.277858	2.689133	0.007874	0.227835
	-0.36931	-2.68865	0.007885	0.227856
ENSG00000262601	-0.51758	-2.68389	0.007993	0.228955
	0.178365	2.686673	0.00793	0.22839
EXOSC4	-0.30733	-2.68696	0.007923	0.228313
CXCL12;ZNF239;RASGEF1A	-0.18516	-2.68615	0.007942	0.228512
	0.270413	2.682841	0.008017	0.229162
ZNF831	0.351329	2.68898	0.007877	0.227841
	0.235034	2.683784	0.007996	0.228987
	0.370296	2.686998	0.007922	0.228308
	-0.38355	-2.68403	0.00799	0.228955
	0.225177	2.686245	0.00794	0.22851
	-0.33981	-2.68514	0.007965	0.228757
	0.370693	2.684077	0.007989	0.228955
	0.400778	2.688272	0.007894	0.227997
CARD11	0.307685	2.685325	0.007961	0.228682
	0.137319	2.68569	0.007952	0.228596
ARHGEF25	0.396985	2.685501	0.007957	0.228643
TPPP	-0.29363	-2.68729	0.007916	0.228277
NSUN7;ENSG00000249241;CHRNA9	-0.23769	-2.68473	0.007974	0.228889
MGST2;ELMOD2;RNF150;H3F3AP6;SCOC	-0.23268	-2.6861	0.007943	0.228512
	0.19298	2.686022	0.007945	0.228532
	0.266162	2.683049	0.008013	0.229117
	-0.27469	-2.68591	0.007947	0.228562
	-0.33359	-2.68263	0.008022	0.22921
	-0.24184	-2.68591	0.007947	0.228562
	-0.25895	-2.68636	0.007937	0.228489
	0.390795	2.684386	0.007982	0.22894
	-0.27676	-2.6853	0.007961	0.228685
	-0.46128	-2.68628	0.007939	0.22851
C1orf174	0.253246	2.683593	0.008	0.229018
	-0.40031	-2.68611	0.007943	0.228512
	0.227808	2.685558	0.007955	0.228637
	0.285163	2.683283	0.008007	0.229048

	0.350018	2.685332	0.00796	0.228682
ARRB2;P2RX1	-0.29008	-2.68565	0.007953	0.22861
CACNA1I;ATF4	0.184645	2.684288	0.007984	0.228955
DFFB;SKI	0.357872	2.684812	0.007972	0.228865
	0.197022	2.682928	0.008015	0.229162
ZNF57	-0.38735	-2.68389	0.007993	0.228955
UBASH3A;ENSG00000225431;TMPRSS2	-0.21101	-2.68484	0.007972	0.228863
	-0.31987	-2.68496	0.007969	0.228845
IK;CYSTM1;ZMAT2;PCDHGC3;PCDHGA5;PCDHGA6;PCDHAC1;P CDHB18;NRG2;PCDHGB2;PCDHGA2;PCDHGA12;PCDHB1;FCHS D1;NDUFA2;PCDHGA4;TMCO6;PCDHGB7;PCDHB9;PCDHGA11; PCDHB12	-0.39011	-2.68329	0.008007	0.229048
	0.170705	2.68416	0.007987	0.228955
	0.260379	2.685831	0.007949	0.228565
	-0.43881	-2.68603	0.007944	0.228532
	0.268035	2.681899	0.008039	0.229295
	0.207609	2.684535	0.007979	0.22893
AMOTL1;FUT4	-0.26956	-2.68533	0.007961	0.228682
HTRA3;SH3TC1	-0.42041	-2.68635	0.007937	0.228489
ATP6V1D	-0.43724	-2.6828	0.008019	0.229176
FZD4;ENSG00000255471;DLG2;SYTL2	0.399268	2.683879	0.007994	0.228955
	-0.19074	-2.68205	0.008036	0.229295
	-0.30961	-2.68451	0.007979	0.22893
	-0.47199	-2.6839	0.007993	0.228955
DNM1P47	0.304543	2.685806	0.00795	0.228566
	0.397858	2.684502	0.007979	0.22893
ENSG00000235096	-0.22207	-2.68439	0.007982	0.22894
FAM13A-AS1	-0.28682	-2.68392	0.007993	0.228955
	-0.3394	-2.68317	0.00801	0.229086
MYH14;KLK11;ZNF577	0.312847	2.681213	0.008055	0.229393
UNC93B1;GSTP1;ALDH3B1;ALDH3B2;CDK2AP2;ENSG00000255 306;PITPNM1;FAM86C2P;CARNS1	-0.41454	-2.68492	0.00797	0.228853
	0.289161	2.682873	0.008017	0.229162
	-0.18415	-2.68612	0.007942	0.228512
	0.408659	2.683272	0.008008	0.229048
	-0.16218	-2.68366	0.007999	0.229018
	0.19141	2.681617	0.008046	0.229336
ENSG00000197015;SSBP3;CYB5RL;LDLRAD1;MROH7	-0.35086	-2.68411	0.007988	0.228955
	-0.26834	-2.68458	0.007978	0.22893
	0.208274	2.679094	0.008104	0.229966
	0.384187	2.684706	0.007975	0.228889
	0.331661	2.682023	0.008036	0.229295
NRN1;FARS2;F13A1	0.316629	2.682603	0.008023	0.229211
FLT1;WASF3;LINC00412;MTIF3	-0.36224	-2.68027	0.008077	0.229721
HCP5;TAPSAR1;TAP1;RPL32P1	-0.2406	-2.67972	0.00809	0.229837

ALDH3B1;UNC93B1;PITPNM1;FAM86C2P;ENSG00000255306; MRGPRF;TPCN2;ENSG00000254610;RAD9A;CDK2AP2;ENSG00 000251637;GSTP1;CHKA;ALG1L8P	-0.5024	-2.6801	0.008081	0.229781
BST2;ENSG00000269640	0.297419	2.685848	0.007949	0.228565
ADAM19;ITK;HAVCR2;ENSG00000253519	0.283375	2.682165	0.008033	0.229295
	-0.26106	-2.68414	0.007988	0.228955
CIRBP;MISP;GAMT	-0.46378	-2.68221	0.008032	0.229295
	0.214231	2.684108	0.007988	0.228955
	-0.2039	-2.68359	0.008	0.229018
	0.335738	2.684546	0.007978	0.22893
PVT1;CCAT1	-0.31863	-2.68343	0.008004	0.22902
	0.226881	2.685399	0.007959	0.228682
	0.29579	2.68411	0.007988	0.228955
MCF2L2;FAM131A	0.301321	2.684068	0.007989	0.228955
	0.233818	2.683382	0.008005	0.229036
RNF213;BAIAP2	-0.50012	-2.68191	0.008039	0.229295
	0.290626	2.682532	0.008025	0.229211
	-0.31599	-2.68395	0.007992	0.228955
	-0.17825	-2.68273	0.00802	0.229203
	0.185697	2.682027	0.008036	0.229295
NUDC;UBXN11;PIGV;HMG2	0.289158	2.683442	0.008004	0.22902
	0.186247	2.68155	0.008047	0.229336
	-0.2635	-2.6835	0.008002	0.22902
IQCA1	-0.42763	-2.68444	0.007981	0.22894
	0.294039	2.682165	0.008033	0.229295
	0.2308	2.683932	0.007992	0.228955
TAX1BP1;HOXA3;HIBADH;HOXA5;HOXA-AS2	-0.2867	-2.68191	0.008039	0.229295
COX19	0.272328	2.683785	0.007996	0.228987
PLCD3;ENSG00000267121;FMNL1	-0.25958	-2.67486	0.008203	0.230708
ENSG00000187905;TUBA3FP	0.293455	2.679502	0.008095	0.229866
IFNGR1	0.267175	2.680355	0.008075	0.229721
	0.309219	2.683507	0.008002	0.22902
	0.38852	2.682569	0.008024	0.229211
SLC23A1;SNORA74A	-0.29145	-2.6823	0.00803	0.229295
	-0.16568	-2.68368	0.007998	0.229018
	0.249458	2.682094	0.008035	0.229295
CXCL14;TGFB1	-0.33537	-2.68344	0.008004	0.22902
	0.298755	2.680077	0.008081	0.229781
	0.216378	2.678918	0.008108	0.229966
ADSSL1	-0.31391	-2.684	0.007991	0.228955
FASTKD2	-0.24464	-2.6836	0.008	0.229018
RNF6;MTMR6;WASF3	-0.41205	-2.68144	0.00805	0.229336
	0.347992	2.683885	0.007994	0.228955
	-0.22979	-2.68143	0.00805	0.229336
	0.124244	2.679864	0.008086	0.229827
PBLD	-0.40884	-2.68345	0.008004	0.22902
	0.253689	2.681914	0.008039	0.229295

ADA;EPPIN;SDC4;SYS1;ZNF335;CD40;TOMM34	-0.22774	-2.68219	0.008033	0.229295
	0.285548	2.680744	0.008066	0.22959
	0.250026	2.681435	0.00805	0.229336
ENSG00000255334;SDHD	-0.3943	-2.68175	0.008043	0.229315
LCMT2;PATL2	-0.31583	-2.68333	0.008006	0.229048
LCN2;PKN3;ENG	-0.43313	-2.68437	0.007982	0.22894
DLEU2	0.335022	2.683108	0.008011	0.229094
	-0.49326	-2.68438	0.007982	0.22894
CCDC64B	-0.25901	-2.6822	0.008032	0.229295
	-0.48382	-2.67944	0.008096	0.229866
	0.300329	2.680911	0.008062	0.229512
	-0.38341	-2.68149	0.008049	0.229336
	0.148375	2.681823	0.008041	0.229295
	-0.21793	-2.68232	0.008029	0.229295
	0.36637	2.682644	0.008022	0.22921
	-0.22757	-2.68169	0.008044	0.229334
	0.354351	2.681827	0.008041	0.229295
	0.275723	2.682046	0.008036	0.229295
	0.168708	2.681447	0.00805	0.229336
	0.366515	2.680627	0.008069	0.229622
	-0.34976	-2.68085	0.008063	0.229536
	0.240399	2.6807	0.008067	0.22959
	-0.43859	-2.68153	0.008048	0.229336
	-0.66361	-2.68255	0.008024	0.229211
	-0.27162	-2.67952	0.008094	0.229866
IRX3;IRX5;FTO	-0.20567	-2.67834	0.008122	0.230184
USP49;ADCY10P1	0.243017	2.68188	0.00804	0.229295
	0.270515	2.681603	0.008046	0.229336
CAP2;KDM1B	-0.30735	-2.67816	0.008126	0.230202
	0.190312	2.681472	0.008049	0.229336
	0.321401	2.680268	0.008077	0.229721
HCP5	0.175274	2.679922	0.008085	0.229826
	0.257569	2.681072	0.008058	0.229421
KIF21B	-0.31785	-2.68185	0.00804	0.229295
	-0.46596	-2.68114	0.008057	0.229393
UQCC2	-0.24384	-2.6813	0.008053	0.229393
	-0.31499	-2.68357	0.008001	0.229018
BAIAP2;PCYT2;MAFG-AS1;C17orf62;BAIAP2-AS1	-0.3022	-2.67826	0.008123	0.230186
CYCS	0.281006	2.677112	0.00815	0.230296
NUP210;ENSG00000251576;ENSG00000228242	0.342746	2.681149	0.008056	0.229393
CECR7;ENSG00000273203	-0.33611	-2.67958	0.008093	0.229866
RAP1GAP2;SERPINF1	-0.26299	-2.67979	0.008088	0.229827
RB1CC1	0.395618	2.679803	0.008088	0.229827
	-0.25445	-2.68209	0.008035	0.229295
COL4A1;COL4A2	-0.30516	-2.68199	0.008037	0.229295
	0.204719	2.680422	0.008073	0.229719
PEX6;POLR1C;GLTSCR1L	-0.34924	-2.68177	0.008042	0.229314

NYAP1;AP1S1;PCOLCE	-0.51421	-2.68003	0.008082	0.229785
	-0.40857	-2.6819	0.008039	0.229295
CRNDE;IRX3;FTO-IT1;FTO;IRX5;CES1P1;CES1	-0.39121	-2.67831	0.008122	0.230186
	-0.25608	-2.68033	0.008075	0.229721
	0.24431	2.677714	0.008136	0.230279
SLC6A16	0.244684	2.67763	0.008138	0.230279
	0.18426	2.681954	0.008038	0.229295
SH2D2A;SYT11;HDGF;PEAR1;LRRC71	0.283145	2.681224	0.008055	0.229393
	0.252717	2.680172	0.008079	0.229759
CCNA2	-0.15988	-2.67987	0.008086	0.229827
UNC93B1;PITPNM1	0.266014	2.678057	0.008128	0.230202
	-0.17953	-2.67968	0.00809	0.229847
ADAMTS2	-0.32785	-2.68006	0.008082	0.229781
PEAR1;NES;RAB25;SYT11;SMG5;IQGAP3;BCAN;LAMTOR2	-0.26239	-2.67722	0.008148	0.230296
C1QTNF2	0.282162	2.679013	0.008106	0.229966
	-0.18361	-2.67805	0.008128	0.230202
ENSG00000093100;TUBA8;ATP6V1E1;MICAL3	-0.315	-2.68271	0.008021	0.229203
	0.31068	2.681176	0.008056	0.229393
	0.338245	2.677334	0.008145	0.230296
	-0.37843	-2.68146	0.008049	0.229336
	0.192034	2.676983	0.008153	0.230331
	0.254553	2.681219	0.008055	0.229393
	0.245713	2.679352	0.008098	0.229866
	-0.46299	-2.68223	0.008031	0.229295
	0.263565	2.677166	0.008149	0.230296
	0.242282	2.680717	0.008066	0.22959
	0.227655	2.678925	0.008108	0.229966
	0.334051	2.680163	0.008079	0.229759
TPPP;NKD2;PDCD6;TRIP13	0.308331	2.678066	0.008128	0.230202
	0.317522	2.678888	0.008109	0.229966
UBE2C	-0.49538	-2.67488	0.008202	0.230708
ELTD1;IFI44L	0.366748	2.678667	0.008114	0.230042
HIST2H4B	0.231276	2.679056	0.008105	0.229966
	-0.308	-2.6772	0.008148	0.230296
	0.287587	2.68118	0.008056	0.229393
MXRA8;SKI;SSU72	0.168336	2.678472	0.008118	0.23014
CPSF3;KLF11	-0.32973	-2.68027	0.008077	0.229721
	-0.38973	-2.67712	0.00815	0.230296
	0.289298	2.676659	0.008161	0.230387
GMDS;FOXC1	-0.81184	-2.67673	0.008159	0.230387
ENSG00000204581	-0.29171	-2.67883	0.00811	0.229966
	0.160534	2.679369	0.008098	0.229866
	-0.35883	-2.68041	0.008074	0.229719
	0.271354	2.678038	0.008129	0.230202
	-0.3161	-2.67759	0.008139	0.230279
	-0.17704	-2.67614	0.008173	0.230459

CD34;CD46;PIGR;C4BPA	-0.24536	-2.67886	0.008109	0.229966
	0.430446	2.681306	0.008053	0.229393
	-0.32788	-2.67727	0.008147	0.230296
	-0.49966	-2.67931	0.008099	0.229876
	0.21997	2.677775	0.008135	0.230264
	-0.30941	-2.67977	0.008088	0.229827
	-0.25245	-2.67895	0.008107	0.229966
ENSG00000261269	0.210013	2.679397	0.008097	0.229866
	0.356666	2.679427	0.008096	0.229866
	0.235002	2.676583	0.008162	0.230387
	-0.31169	-2.67919	0.008102	0.229926
	0.287696	2.675022	0.008199	0.230671
ARHGEF1;CD79A	0.315137	2.679758	0.008089	0.229827
	0.127861	2.674886	0.008202	0.230708
	0.294348	2.678831	0.00811	0.229966
	-0.3102	-2.67938	0.008097	0.229866
	-0.38708	-2.67976	0.008089	0.229827
PFKFB2	-0.49656	-2.6805	0.008072	0.229693
	0.266724	2.677327	0.008145	0.230296
ARHGEF25;ENSG00000224713;LRP1;TSPAN31;PTGES3	-0.25569	-2.67657	0.008163	0.230387
	-0.25635	-2.68031	0.008076	0.229721
	-0.34312	-2.67661	0.008162	0.230387
	0.170841	2.678343	0.008121	0.230184
	-0.3444	-2.67851	0.008118	0.230133
GPR180;SOX21-AS1	-0.34139	-2.67803	0.008129	0.230202
ENSG00000244625	0.400912	2.679488	0.008095	0.229866
SLC9C2	0.277926	2.678436	0.008119	0.230149
	-0.35077	-2.6781	0.008127	0.230202
	0.254867	2.677521	0.008141	0.230296
	0.218193	2.678864	0.008109	0.229966
	0.239054	2.67414	0.00822	0.230822
LRRC59;ANKRD40;COL1A1;SGCA;LUC7L3;CACNA1G	0.291947	2.679469	0.008095	0.229866
	-0.48877	-2.67594	0.008178	0.230505
	0.238765	2.679372	0.008098	0.229866
	0.434401	2.67724	0.008147	0.230296
	-0.29853	-2.67745	0.008142	0.230296
SHC2;ARID3A;PPAP2C;SBNO2 IFFO1;CLSTN3;SCNN1A;VWF;CD27;C1R;LRRC23;ANO2;RBP5;C1 RL-AS1;ENSG00000257084	-0.34419	-2.67957	0.008093	0.229866
	-0.27368	-2.67791	0.008132	0.230264
	-0.20166	-2.67785	0.008133	0.230264
PIGU;DYNLRB1	0.285065	2.67995	0.008084	0.229824
	0.220358	2.679265	0.0081	0.229892
	-0.30839	-2.67593	0.008178	0.230505
	-0.3824	-2.67647	0.008165	0.230419
	0.493329	2.675754	0.008182	0.230537
HLA-F;HLA-E;HCG14	-0.37724	-2.67621	0.008171	0.230455
COA1;SPDYE1				
BAIAP2;CCDC40;PCYT2;LRRC45;MAFG-AS1;BAIAP2-AS1				
ENSG00000245750;ENSG00000259641;CALML4;PAQR5;CORO 2B;ITGA11				
HSD17B2;GAN				
CCR5;CSPG5				



C12orf68;SLC48A1	0.233607	2.677792	0.008134	0.230264
FRMD4A;FAM107B;ACBD7;MEIG1;ITGA8;RPP38	-0.32079	-2.67415	0.008219	0.230822
CERK	0.237581	2.678832	0.00811	0.229966
B3GNT7	0.330239	2.674321	0.008215	0.230807
ENSG00000259225	-0.50836	-2.67464	0.008208	0.230763
OSR1	0.417647	2.676829	0.008157	0.230339
	0.300163	2.677487	0.008141	0.230296
POM121C;STYXL1	-0.30298	-2.6776	0.008139	0.230279
RNF166	-0.26764	-2.67879	0.008111	0.22998
	-0.35855	-2.67736	0.008144	0.230296
	0.252132	2.675691	0.008183	0.230537
	-0.31211	-2.6769	0.008155	0.230331
	-0.26526	-2.67577	0.008181	0.230537
	-0.33971	-2.67884	0.00811	0.229966
COX17	0.223907	2.677215	0.008148	0.230296
	0.141256	2.675179	0.008195	0.230637
PEX6	-0.29231	-2.67808	0.008128	0.230202
	0.304193	2.676413	0.008166	0.230419
	-0.23219	-2.6727	0.008254	0.231057
PSMG3;PRKAR1B;SUN1	-0.29859	-2.6776	0.008139	0.230279
HSPBAP1;PARP15	0.318376	2.677301	0.008146	0.230296
	-0.29936	-2.6736	0.008232	0.230965
	-0.39356	-2.67636	0.008168	0.230419
	0.20587	2.674086	0.008221	0.230827
HEBP2;ABRACL;PERP;NHSL1	-0.43077	-2.67637	0.008167	0.230419
	0.240706	2.678265	0.008123	0.230186
	0.284884	2.678061	0.008128	0.230202
	0.322217	2.677174	0.008149	0.230296
	0.214159	2.677256	0.008147	0.230296
	0.309284	2.677805	0.008134	0.230264
	0.304897	2.676048	0.008175	0.230481
NME4;TMEM8A;SOX8	-0.36653	-2.67639	0.008167	0.230419
	0.264919	2.677826	0.008134	0.230264
	-0.3208	-2.67695	0.008154	0.230331
	-0.37621	-2.67255	0.008257	0.231057
	0.248604	2.676279	0.00817	0.230428
	-0.35898	-2.67789	0.008132	0.230264
GSTO1	-0.18147	-2.67543	0.008189	0.230537
	-0.19207	-2.67614	0.008173	0.230459
	0.285684	2.676549	0.008163	0.230387
	-0.30573	-2.67562	0.008185	0.230537
CLIP2;ENSG00000232415;WBSCR22;ABHD11;LINC00035;WBSCR27;CLDN3;POM121;SBDSP1	-0.25198	-2.67708	0.008151	0.230296
ENSG00000260337;ENSG00000258676;FAM174B;LINC00930;ENSG00000271763	0.423697	2.674452	0.008212	0.230786
	0.272667	2.676608	0.008162	0.230387
	-0.69331	-2.67087	0.008297	0.231345

SFMBT2;PRKCQ	-0.39517	-2.67197	0.008271	0.231136
	-0.2421	-2.67556	0.008187	0.230537
	0.236441	2.675689	0.008183	0.230537
	0.162347	2.676308	0.008169	0.230424
	0.254326	2.676887	0.008155	0.230331
	0.310853	2.675502	0.008188	0.230537
	0.239808	2.676645	0.008161	0.230387
	-0.22289	-2.67457	0.00821	0.230786
	-0.32837	-2.67685	0.008156	0.230339
	-0.43579	-2.67565	0.008184	0.230537
	-0.26338	-2.6754	0.00819	0.230537
	-0.32415	-2.67504	0.008199	0.230671
	0.225287	2.67709	0.008151	0.230296
	-0.35864	-2.67761	0.008139	0.230279
	0.29313	2.675137	0.008196	0.230649
	0.133701	2.670105	0.008315	0.231638
	0.169106	2.677108	0.00815	0.230296
DCTPP1	0.197243	2.673191	0.008242	0.231057
	0.396616	2.676679	0.00816	0.230387
	-0.32351	-2.67551	0.008188	0.230537
	-0.23338	-2.67744	0.008143	0.230296
PSMA3	0.276529	2.676083	0.008174	0.230481
	-0.28961	-2.67602	0.008176	0.230481
	0.250137	2.674101	0.008221	0.230827
	0.371036	2.675724	0.008183	0.230537
	0.317921	2.674814	0.008204	0.230725
	-0.43682	-2.67245	0.00826	0.231057
ITGAL;BCKDK;SRCAP;ITGAX ARHGEF10;ERICH1	-0.19806	-2.67392	0.008225	0.23089
	0.313955	2.675589	0.008186	0.230537
	-0.39852	-2.67759	0.008139	0.230279
	0.374963	2.671557	0.008281	0.231243
	0.234821	2.676936	0.008154	0.230331
	0.333622	2.671164	0.00829	0.231342
CES3;RLTPR JAM3;ENSG00000255545	-0.39683	-2.67353	0.008234	0.230979
	-0.40314	-2.67617	0.008172	0.230459
	-0.22851	-2.67285	0.00825	0.231057
	-0.37774	-2.67272	0.008253	0.231057
METTL16;ENSG00000263050;ENSG00000262777	-0.25118	-2.67544	0.008189	0.230537
	0.333721	2.673239	0.008241	0.231057
TTLL1;PMM1;L3MBTL2;MCAT	-0.26682	-2.67415	0.00822	0.230822
	-0.26932	-2.67423	0.008218	0.23081
	-0.23738	-2.66935	0.008333	0.23168
CACNA2D4	0.341114	2.673156	0.008243	0.231057
	-0.28345	-2.67601	0.008176	0.230481
	-0.28893	-2.67091	0.008296	0.231345
	-0.30022	-2.67389	0.008226	0.230894

EFCAB6;TTLL12;EFCAB6-AS1;PHF21B;TTLL1;PACSIN2;MPPED1	-0.29726	-2.67037	0.008309	0.231556
	0.334069	2.675615	0.008185	0.230537
	0.291147	2.673659	0.008231	0.230965
	0.196589	2.672971	0.008247	0.231057
	0.215399	2.675467	0.008189	0.230537
	0.361559	2.673371	0.008238	0.231011
	0.281795	2.67445	0.008212	0.230786
DGKE;MSI2	0.437319	2.676899	0.008155	0.230331
SARDH;ADAMTSL2;SLC2A6;GBGT1;GTF3C5;SURF2 C3orf52;SLC9C1;ENSG00000261488;GCSAM;PHLDB2;TMPRSS7 ;GTPBP8;ENSG00000239482;CD200;ABHD10	-0.3062	-2.6756	0.008185	0.230537
	-0.29815	-2.67304	0.008246	0.231057
	-0.48228	-2.67363	0.008232	0.230965
	0.211912	2.673614	0.008232	0.230965
	-0.38614	-2.67445	0.008213	0.230786
	0.248734	2.672995	0.008247	0.231057
	-0.28392	-2.67633	0.008168	0.230423
	0.398858	2.67543	0.008189	0.230537
	0.35062	2.674654	0.008208	0.230763
	0.276953	2.673005	0.008246	0.231057
	-0.31027	-2.67263	0.008255	0.231057
	0.319249	2.675509	0.008188	0.230537
	-0.24799	-2.67565	0.008184	0.230537
	0.228281	2.674558	0.00821	0.230786
	0.240081	2.673399	0.008237	0.231011
KLHL8;MAPK10;C4orf36;ABCG2;NUDT9	-0.41648	-2.67153	0.008281	0.231243
	-0.21232	-2.66995	0.008319	0.231654
	-0.20783	-2.67476	0.008205	0.230746
OTUD4;TTC29	-0.36005	-2.67131	0.008287	0.231321
	-0.22206	-2.67266	0.008255	0.231057
BTN3A1;BTN3A3;ZNF391;BTN2A2	-0.36073	-2.6747	0.008207	0.230761
	0.22606	2.671287	0.008287	0.231321
FUT6;FUT3;PTPRS;RFX2	-0.3499	-2.67427	0.008217	0.23081
	-0.38909	-2.6728	0.008251	0.231057
	0.273446	2.672653	0.008255	0.231057
ARID4A	0.269097	2.674	0.008223	0.230869
	-0.27403	-2.67351	0.008235	0.230981
	0.312102	2.676373	0.008167	0.230419
	0.307463	2.674691	0.008207	0.230761
	0.297614	2.672527	0.008258	0.231057
CGN;RORC;CTSK;RIIAD1;BNIPL;GOLPH3L;ENSG00000269621;LI NGO4;SELENBP1;CTSS;HRNR	-0.30916	-2.66797	0.008366	0.231833
	0.254802	2.668832	0.008345	0.23178
	0.227511	2.674227	0.008218	0.23081
	0.248529	2.675268	0.008193	0.230608
	0.228618	2.672345	0.008262	0.231057
RPA3;ICA1	0.346895	2.669488	0.00833	0.23168

ARHGEF15;BCL6B;MPDU1;NLGN2	0.131669	2.672343	0.008262	0.231057
	0.355048	2.67123	0.008288	0.231321
	0.244873	2.675418	0.00819	0.230537
	0.356342	2.672424	0.00826	0.231057
MAPK15;FAM83H-AS1;RHPN1- AS1;BAI1;RHPN1;LY6H;ENSG00000254973;TOP1MT;PYCRL;ZNF 623	-0.33144	-2.67249	0.008259	0.231057
	-0.25267	-2.67339	0.008237	0.231011
	0.305773	2.672361	0.008262	0.231057
	0.344481	2.67198	0.008271	0.231136
PRR15	-0.28449	-2.67239	0.008261	0.231057
MISP	-0.2059	-2.67378	0.008228	0.230926
	0.296857	2.671253	0.008288	0.231321
	-0.24125	-2.67148	0.008283	0.231258
	0.344196	2.674518	0.008211	0.230786
COPS6	-0.24974	-2.6749	0.008202	0.230708
NARF;C17orf62;CD7	-0.26352	-2.67507	0.008198	0.230671
	-0.34627	-2.67198	0.008271	0.231136
	0.24118	2.673578	0.008233	0.230965
	-0.51185	-2.67522	0.008194	0.230628
ADAM8;INPP5A	0.337276	2.674452	0.008212	0.230786
	-0.32971	-2.67301	0.008246	0.231057
	0.298205	2.67174	0.008276	0.231181
	0.332204	2.673472	0.008235	0.23099
IGLC3;IGLV3-1	0.400625	2.673604	0.008232	0.230965
KEL;ARHGEF34P;ARHGEF5;TPK1;OR2A1-AS1;TRBC2;FAM115C IGFBP4;PLXDC1;LINC00672;PCGF2;MED24;TNS4;CCR7;STARD3; ENSG00000266208;MIEN1;LRRC37A11P;NEUROD2;TOP2A;RAP GEFL1	-0.41683	-2.6727	0.008254	0.231057
	-0.36753	-2.66883	0.008345	0.23178
	-0.19704	-2.67256	0.008257	0.231057
	0.271261	2.673321	0.008239	0.231028
ALDH3A1;TRIM16L;TVP23B;PRPSAP2	-0.30595	-2.6721	0.008268	0.231136
	0.551501	2.672757	0.008252	0.231057
	0.344027	2.665253	0.008431	0.232541
	0.328646	2.672672	0.008254	0.231057
ENSG00000231720	-0.38132	-2.67055	0.008304	0.231466
IQCE;PSMG3-AS1 ENSG00000258699	-0.28721	-2.672	0.00827	0.231136
	0.138112	2.673793	0.008228	0.230926
	-0.27784	-2.67434	0.008215	0.230807
	-0.25903	-2.67146	0.008283	0.231258
ZNF469;GALNS	0.265469	2.670587	0.008304	0.231466
	-0.31719	-2.67377	0.008228	0.230926
	-0.22873	-2.67501	0.008199	0.230671
	0.269313	2.672301	0.008263	0.231057
SSU72	-0.22226	-2.67244	0.00826	0.231057
	0.229348	2.674377	0.008214	0.230802

	0.314797	2.674408	0.008213	0.230796
	-0.23259	-2.67233	0.008262	0.231057
RPS6KA1;CEP85;TRNP1;PAFAH2;C1orf172;CD164L2;MAN1C1;P DIK1L;FAM110D;NUDC;PIGV;WDTC1;CNKSR1;UBXN11	-0.28204	-2.672	0.00827	0.231136
	0.261581	2.672813	0.008251	0.231057
	0.171359	2.673958	0.008224	0.230881
	-0.40824	-2.67315	0.008243	0.231057
	0.282598	2.671007	0.008294	0.231345
CPNE5;TBC1D22B;FGD2	0.287748	2.66698	0.00839	0.232055
ENSG00000221817	-0.18525	-2.67057	0.008304	0.231466
	0.245223	2.672762	0.008252	0.231057
	0.397937	2.673176	0.008242	0.231057
	0.311632	2.671828	0.008274	0.23118
HERC1;TPM1	0.1745	2.669228	0.008336	0.23171
	-0.25989	-2.66791	0.008367	0.231833
PFDN6	0.337655	2.674299	0.008216	0.230807
	0.370867	2.672293	0.008263	0.231057
	0.29924	2.671319	0.008286	0.231321
	-0.165	-2.66769	0.008373	0.231849
	0.229247	2.666942	0.008391	0.232065
DYNC2LI1;THADA	-0.27929	-2.67238	0.008261	0.231057
TSPAN4;PSMD13;TMEM80	-0.34082	-2.67252	0.008258	0.231057
	0.340652	2.671113	0.008291	0.231345
	0.309569	2.671085	0.008292	0.231345
	-0.34529	-2.67108	0.008292	0.231345
ARID5A;CIAO1	0.441412	2.668588	0.008351	0.231817
	0.287964	2.672014	0.00827	0.231136
	-0.24602	-2.6709	0.008296	0.231345
HK2;LOXL3;TACR1;ALMS1;WDR54;MOGS;TET3;TTC31;POLE4;C 2orf81	0.189714	2.672327	0.008262	0.231057
KIAA0895;ELMO1	-0.27796	-2.67006	0.008316	0.231638
RASIP1;PRR12;TEAD2;HRC;RPS11;PNKP;HSD17B14	0.291723	2.670134	0.008314	0.231638
	-0.29775	-2.67203	0.008269	0.231136
LIMS2;MYO7B;GPR17;ERCC3	-0.41154	-2.67177	0.008276	0.23118
	0.167531	2.671267	0.008288	0.231321
ENSG00000260432;GRIN2A	-0.51332	-2.67297	0.008247	0.231057
HSPG2;HP1BP3;LDLRAD2;EIF4G3;CDC42	0.27574	2.671592	0.00828	0.231243
	0.285086	2.668291	0.008358	0.231833
	0.243783	2.67285	0.00825	0.231057
	-0.24224	-2.67115	0.00829	0.231342
	0.22257	2.670884	0.008297	0.231345
	0.297038	2.669065	0.00834	0.231758
NT5C3A	-0.36823	-2.66659	0.008399	0.232178
	0.297982	2.672978	0.008247	0.231057
	-0.78483	-2.67094	0.008295	0.231345
	0.267279	2.669886	0.00832	0.231654

HEBP1;BCL2L14;LRP6;C12orf36;LOH12CR1	-0.36664	-2.66988	0.00832	0.231654
	-0.3462	-2.6697	0.008325	0.23168
GMFG;MAP4K1;RINL;RASGRP4;PLEKHG2;ENSG00000183760	0.281445	2.671554	0.008281	0.231243
ADARB1;TRAPPC10;COL18A1-				
AS1;COL18A1;ICOSLG;ENSG00000267857;LRRC3;COL18A1-				
AS2;ENSG00000268805;LRRC3DN	-0.35865	-2.66609	0.008411	0.232327
	0.336256	2.669776	0.008323	0.231659
	0.34525	2.671858	0.008274	0.23118
	0.429279	2.668905	0.008344	0.23178
	0.326735	2.668111	0.008363	0.231833
KIF9;KIF9-AS1;DHX30;NME6	-0.40411	-2.66976	0.008323	0.231659
	-0.39719	-2.66932	0.008334	0.23168
ENSG00000247373;TMED2	0.270735	2.672433	0.00826	0.231057
	0.21628	2.666885	0.008392	0.232088
IQCE;GNA12	0.497608	2.667942	0.008367	0.231833
SPIDR	-0.2487	-2.67157	0.00828	0.231243
CYCS	0.261522	2.66831	0.008358	0.231833
FERMT3;NRXN2;CDC42BPG;CCDC88B;BATF2	-0.43196	-2.67178	0.008275	0.23118
	0.190906	2.670032	0.008317	0.231638
	-0.4783	-2.66625	0.008407	0.232251
	0.179318	2.670259	0.008311	0.231616
	0.23289	2.667745	0.008371	0.231833
	-0.22007	-2.66748	0.008378	0.231907
	0.208359	2.671786	0.008275	0.23118
ARHGEF10	-0.32084	-2.66519	0.008432	0.232563
C10orf128;VSTM4;FRMPD2;ENSG00000232462;ARHGAP22;PT				
PN20CP;WDFY4	0.347351	2.669477	0.00833	0.23168
	-0.23035	-2.66917	0.008337	0.231732
S100A2	-0.22972	-2.66898	0.008342	0.23178
SLC37A1;PDE9A;ICOSLG;CBS	-0.26732	-2.67072	0.008301	0.231403
KLHL2;ENSG00000248771;MSMO1	-0.33796	-2.66779	0.00837	0.231833
	-0.28286	-2.6678	0.00837	0.231833
	-0.26136	-2.67078	0.008299	0.231378
CDC42BPA	0.242935	2.667549	0.008376	0.231884
CYB561D1	-0.19086	-2.67198	0.008271	0.231136
	-0.26846	-2.66883	0.008345	0.23178
LPCAT1	-0.33891	-2.66959	0.008327	0.23168
MICB;TRIM39	-0.58877	-2.66944	0.008331	0.23168
	0.572009	2.671763	0.008276	0.23118
	0.348647	2.670958	0.008295	0.231345
	-0.42553	-2.66937	0.008333	0.23168
	0.347788	2.668843	0.008345	0.23178
	0.286609	2.66912	0.008338	0.231749
	-0.21932	-2.66957	0.008328	0.23168
	0.214343	2.666656	0.008397	0.232149
	-0.16923	-2.66574	0.008419	0.232469

	0.21164	2.668403	0.008356	0.231833
	0.200117	2.663481	0.008474	0.232983
	0.376523	2.668493	0.008353	0.231833
CYP2S1	0.48319	2.668378	0.008356	0.231833
	0.234746	2.668122	0.008362	0.231833
MUC5AC	-0.29831	-2.66833	0.008357	0.231833
	-0.28447	-2.67002	0.008317	0.231638
OR2I1P;HLA-F	-0.40003	-2.66984	0.008321	0.231659
	0.248422	2.667079	0.008387	0.23202
	-0.25455	-2.66646	0.008402	0.232196
TRPV2	-0.25757	-2.66966	0.008326	0.23168
	0.336222	2.668714	0.008348	0.231784
FUOM	-0.26542	-2.67012	0.008315	0.231638
	0.144936	2.667556	0.008376	0.231884
SLC2A10	-0.36261	-2.6709	0.008296	0.231345
BDH1;TCTEX1D2;RNF168	-0.43659	-2.67097	0.008294	0.231345
	-0.24948	-2.66675	0.008395	0.232117
MAD1L1;CYP2W1;HEATR2	-0.25628	-2.66607	0.008411	0.232327
	0.244193	2.669913	0.00832	0.231654
XRCC1;PINLYP;SMG9;LYPD3;PLAUR;ZNF227	-0.35527	-2.66705	0.008388	0.232024
	-0.28327	-2.67081	0.008298	0.231376
	0.213795	2.669525	0.008329	0.23168
	-0.27501	-2.66876	0.008347	0.231784
	0.298224	2.666428	0.008403	0.232196
	-0.34196	-2.67023	0.008312	0.231618
	-0.21028	-2.66788	0.008368	0.231833
	-0.46008	-2.66871	0.008348	0.231784
	-0.31248	-2.66943	0.008331	0.23168
	-0.33668	-2.66932	0.008334	0.23168
	-0.33968	-2.66933	0.008333	0.23168
	0.233984	2.668639	0.00835	0.231813
MT1F;CES1;GNAO1;CES1P1	0.300028	2.669767	0.008323	0.231659
	0.14996	2.669499	0.008329	0.23168
	0.275997	2.661194	0.008529	0.233342
	0.250831	2.670022	0.008317	0.231638
	0.605642	2.667554	0.008376	0.231884
	0.379102	2.666329	0.008405	0.232223
WLS	-0.35536	-2.66837	0.008356	0.231833
	0.244007	2.669409	0.008332	0.23168
SPAG8;FAM166B;NPR2;GLIPR2;HINT2;FANCG;PIGO;CLTA;FAM2 21B;TESK1;TPM2;DNAJB5;TLN1	-0.35944	-2.66419	0.008457	0.23281
	-0.35495	-2.66814	0.008362	0.231833
	0.382966	2.669882	0.00832	0.231654
GAS6;TMEM255B;TMCO3;TFDP1	0.348802	2.668543	0.008352	0.231832
	0.231499	2.670495	0.008306	0.23149
	0.316038	2.668347	0.008357	0.231833
FLT4;ADAMTS2;CNOT6	-0.359	-2.66806	0.008364	0.231833

CERK;WNT7B;ENSG00000234869;FBLN1;CELSR1	0.239102	2.664529	0.008448	0.232715
	-0.27465	-2.66783	0.008369	0.231833
	-0.18813	-2.66678	0.008394	0.232117
ZNF638	0.302518	2.667351	0.008381	0.231974
	0.268865	2.669804	0.008322	0.231659
	-0.27794	-2.66879	0.008346	0.231784
THEM4;ENSA;BNIPL;POGZ;PSMB4	-0.31199	-2.66652	0.008401	0.232191
	-0.28591	-2.66788	0.008368	0.231833
	0.408741	2.667288	0.008382	0.231986
PTPRN2	-0.21029	-2.67003	0.008317	0.231638
	0.366577	2.668011	0.008365	0.231833
	0.301921	2.66924	0.008336	0.23171
ELOVL5;GCLC;TRAM2;EFHC1;GSTA1;TMEM14A;PAQR8	0.237142	2.666318	0.008405	0.232223
	0.281969	2.667753	0.008371	0.231833
	-0.2161	-2.6689	0.008344	0.23178
ZNR2	-0.39204	-2.66558	0.008423	0.232533
	-0.48803	-2.6658	0.008418	0.232445
	0.290818	2.667962	0.008366	0.231833
TMEM204;HN1L	-0.33719	-2.66952	0.008329	0.23168
	0.136286	2.667962	0.008366	0.231833
	-0.2451	-2.66963	0.008326	0.23168
HLA-B;HLA-DPB1;HLA-DOA;HLA-C;TAP1;HCP5	0.130082	2.665132	0.008434	0.232574
	0.152675	2.668932	0.008343	0.23178
	0.262084	2.667295	0.008382	0.231986
ZNF366;ARHGEF28;ENSG00000261269	0.272555	2.667966	0.008366	0.231833
	-0.23537	-2.66708	0.008387	0.23202
	0.278443	2.667895	0.008368	0.231833
SCUBE1;NUP50;ENSG00000226328;PARVB	0.40748	2.669101	0.008339	0.231749
	0.33001	2.66884	0.008345	0.23178
	0.172105	2.667886	0.008368	0.231833
ZBTB12	-0.27249	-2.66638	0.008404	0.232214
	0.261175	2.665156	0.008433	0.232573
	-0.34663	-2.66669	0.008397	0.232142
NR5A2	-0.31964	-2.66873	0.008348	0.231784
SLC5A4	0.280878	2.665482	0.008426	0.232539
PDZD2;CDH6;GOLPH3;TPT1P5	0.303151	2.666544	0.0084	0.232191
ITGAE;ASPA;P2RX5;GSG2	0.294628	2.662263	0.008503	0.233131
	-0.38745	-2.66534	0.008429	0.232539
	0.307949	2.665345	0.008429	0.232539
SAMD11;LINC01128	-0.32224	-2.6686	0.008351	0.231817
	0.220843	2.665381	0.008428	0.232539
	-0.16978	-2.66686	0.008393	0.232092
	-0.19871	-2.66717	0.008385	0.23202
	0.27034	2.668263	0.008359	0.231833
	-0.30668	-2.6651	0.008435	0.232577
	0.264659	2.663001	0.008485	0.232983
	0.206996	2.66711	0.008387	0.23202



ARHGEF25;METTL21B	-0.36662	-2.66775	0.008371	0.231833
NBL1;KLHDC7A	-0.22047	-2.6647	0.008444	0.232698
	0.306118	2.665583	0.008423	0.232533
	-0.32996	-2.66795	0.008366	0.231833
ADD2;ANXA4	0.320992	2.667891	0.008368	0.231833
PLA2G4C;EHD2	-0.36715	-2.66388	0.008464	0.232868
EMR2;BRD4;TECR	0.37662	2.663335	0.008477	0.232983
	-0.19726	-2.66494	0.008439	0.232628
FAM174B;ENSG00000260337;ENSG00000258676	-0.36907	-2.66507	0.008436	0.232577
FBLN1;ENSG00000226328;NUP50;ENSG00000238120;LDOC1L	-0.27677	-2.66604	0.008412	0.232335
TRIP13;NKD2;LPCAT1;ENSG00000188002;TPPP;ZDHHC11;MRP				
L36	-0.33441	-2.6635	0.008473	0.232983
	0.286824	2.66845	0.008354	0.231833
SDK2	-0.2618	-2.66381	0.008466	0.232868
	0.237873	2.66831	0.008358	0.231833
ROR1;EFCAB7	0.320051	2.666762	0.008395	0.232117
	0.303355	2.667533	0.008376	0.231884
	-0.21794	-2.66273	0.008492	0.233018
MKI67;ENSG00000227076	-0.32688	-2.66157	0.00852	0.233295
DAP3;SLC50A1	0.345739	2.666435	0.008403	0.232196
	0.295546	2.667224	0.008384	0.232014
PYGM;NRXN2;CD248;LTBP3;ENSG00000254510;EFEMP2;TM7S				
F2;BANF1;DPP3;PPP2R5B;YIF1A;PELI3;MRPL49;MAP3K11	-0.3211	-2.66506	0.008436	0.232577
FKBP10;MED24;IGFBP4;ACLY;TTC25	0.371454	2.66482	0.008441	0.232691
SLC7A5	0.21516	2.663822	0.008466	0.232868
FAM83H;MROH6;FAM83H-AS1	-0.72318	-2.66768	0.008373	0.231849
PDE6B	-0.24043	-2.6665	0.008401	0.232191
	0.19425	2.664128	0.008458	0.232821
TSPAN32;C11orf21	-0.22713	-2.66417	0.008457	0.23281
	0.232236	2.668042	0.008364	0.231833
	-0.27434	-2.66055	0.008545	0.233377
PLEKHA7;TMEM86A	-0.61879	-2.66427	0.008455	0.232801
	-0.18184	-2.66318	0.008481	0.232983
WBSCR22;ABHD11;ELN;CLDN4;ENSG00000233369;CLIP2	-0.29867	-2.66431	0.008454	0.232787
	0.206036	2.667193	0.008385	0.232019
	0.128015	2.663047	0.008484	0.232983
	0.230309	2.66136	0.008525	0.233328
	0.250729	2.66162	0.008519	0.233289
	0.130907	2.664698	0.008444	0.232698
	0.320115	2.665363	0.008428	0.232539
	-0.18385	-2.66534	0.008429	0.232539
ANTXRPL1;SYT15;PTPN20A;ENSG00000231187	0.220854	2.662009	0.008509	0.233162
	-0.32034	-2.66531	0.00843	0.232539
TRAF1	-0.48195	-2.66395	0.008462	0.232868
PLCG2	0.255491	2.665316	0.00843	0.232539

GRASP;ACVRL1;TENC1;ITGB7;KRT7;KRT80;KRT18	-0.32895	-2.66386	0.008465	0.232868
WDR19;UGDH;SMIM14	-0.41135	-2.66443	0.008451	0.232737
	-0.31967	-2.66712	0.008386	0.23202
TBC1D10C;ENSG00000255306;RBM14;ALDH3B1;FAM86C2P	0.384226	2.665918	0.008415	0.232398
CCDC19;IFI16;ENSG00000225670;CADM3;DARC;PEA15;ATP1A				
2;VANG2;AIM2	-0.4446	-2.66228	0.008503	0.233131
	0.272861	2.662171	0.008505	0.233162
FKBP4;TULP3;CACNA1C;PRMT8;TEAD4	0.251598	2.662002	0.00851	0.233162
	0.287712	2.66386	0.008465	0.232868
TRNP1;SFN;FGR;AIM1L;CEP85	-0.49918	-2.66425	0.008455	0.232801
GALNS	-1.04438	-2.66417	0.008457	0.23281
NOS2;LYRM9;SLC46A1	-0.45912	-2.66525	0.008431	0.232541
HN1	-0.19151	-2.66617	0.008409	0.232289
	0.412115	2.661785	0.008515	0.23327
	-0.19318	-2.66454	0.008448	0.232715
	0.397951	2.663313	0.008478	0.232983
NUDT5;CCDC3;USP6NL;CAMK1D	-0.40983	-2.66293	0.008487	0.232983
	0.180177	2.661678	0.008517	0.233289
ADAMTSL5;MUM1	0.205416	2.663719	0.008468	0.232912
CCDC89	-0.26272	-2.66475	0.008443	0.232697
	-0.39997	-2.6644	0.008451	0.232742
	-0.36489	-2.66252	0.008497	0.233062
UNC13B;GLIPR2;STOML2;RMRP	0.222957	2.665523	0.008425	0.232539
	0.301104	2.663336	0.008477	0.232983
	0.373634	2.665862	0.008416	0.23242
OLFM1	-0.34135	-2.66572	0.00842	0.232471
	0.344409	2.665432	0.008427	0.232539
	0.307598	2.664614	0.008446	0.232709
	-0.23419	-2.66394	0.008463	0.232868
COBL;GRB10	-0.33723	-2.66047	0.008547	0.233386
ENSG00000236295	0.248624	2.663925	0.008463	0.232868
ECHS1	0.288201	2.662072	0.008508	0.233162
CCDC34	-0.47876	-2.66294	0.008487	0.232983
	-0.35813	-2.66461	0.008446	0.232709
	0.396133	2.662301	0.008502	0.233131
	0.321973	2.665007	0.008437	0.232597
	0.272011	2.664774	0.008443	0.232697
	0.335938	2.663637	0.00847	0.232952
TIMP2;CBX2;C1QTNF1;CBX8;CANT1	0.280534	2.659853	0.008562	0.233556
	0.26045	2.663092	0.008483	0.232983
	-0.16491	-2.6623	0.008502	0.233131
	0.277203	2.662465	0.008498	0.233087
	0.315652	2.663045	0.008484	0.232983
RPL27	-0.25305	-2.66311	0.008483	0.232983
	0.265108	2.664507	0.008449	0.232715
ENSG00000251455	0.271314	2.665307	0.00843	0.232539

	0.175794	2.663434	0.008475	0.232983
	0.258821	2.662601	0.008495	0.233041
	0.342933	2.662847	0.008489	0.232983
	-0.47014	-2.66361	0.008471	0.232957
	0.195834	2.663349	0.008477	0.232983
	0.211524	2.662673	0.008493	0.233027
	0.223699	2.659312	0.008575	0.233611
	0.185969	2.660465	0.008547	0.233386
BCL2;SERPINB2;SERPINB3	0.336615	2.665299	0.00843	0.232539
	-0.20735	-2.66021	0.008553	0.233463
	0.360704	2.664504	0.008449	0.232715
	0.295277	2.662938	0.008487	0.232983
	-0.1975	-2.66165	0.008518	0.233289
	0.262625	2.660585	0.008544	0.233374
ENSG00000231063	-0.30319	-2.66291	0.008488	0.232983
HEATR2	0.349909	2.662786	0.008491	0.233008
	-0.26868	-2.66346	0.008474	0.232983
	0.266224	2.662935	0.008487	0.232983
AFAP1L2	0.25042	2.66114	0.008531	0.233342
	0.434436	2.66449	0.008449	0.232715
	0.350057	2.661364	0.008525	0.233328
	0.231358	2.663894	0.008464	0.232868
ABCA10;ABCA6;ENSG00000267361;ABCA8	0.269994	2.662614	0.008495	0.233041
	0.245356	2.663505	0.008473	0.232983
	-0.42742	-2.6619	0.008512	0.233207
	0.277155	2.662668	0.008493	0.233027
	-0.28361	-2.66323	0.00848	0.232983
HHAT	0.292195	2.662035	0.008509	0.233162
	-0.19928	-2.66014	0.008555	0.233463
	-0.31551	-2.65884	0.008587	0.233611
	-0.13734	-2.66119	0.008529	0.233342
PRPH	-0.24887	-2.66082	0.008538	0.233342
MATN2	-0.37582	-2.66474	0.008443	0.232697
	-0.29932	-2.65934	0.008574	0.233611
	-0.38071	-2.66214	0.008506	0.233162
	0.193993	2.661663	0.008518	0.233289
NAP1L4;MRPL23;TSPAN32;CARS	-0.42985	-2.66325	0.008479	0.232983
ATP6V0A1;COASY;FKBP10;STAT5B;PTRF;KRT23;ENSG00000267				
758;ACLY	0.217645	2.660377	0.008549	0.233399
C6orf47;HLA-C;HLA-B;PPP1R18	0.157081	2.660985	0.008534	0.233342
RUNX3	0.396811	2.664048	0.00846	0.232859
FERMT3;MAP4K2;RASGRP2;CCDC88B	-0.27302	-2.66467	0.008445	0.232698
SLIRP	-0.37318	-2.66079	0.008539	0.233342
	0.322747	2.661631	0.008519	0.233289
	-0.17734	-2.66101	0.008534	0.233342
	-0.41526	-2.66322	0.00848	0.232983
	0.189977	2.663062	0.008484	0.232983

	0.284156	2.663206	0.00848	0.232983
ZNF618;BSPRY;RNF183;FKBP15;SLC31A1;HDHD3;COL27A1;WD R31;AKNA;KIAA1958	-0.30625	-2.65889	0.008585	0.233611
	0.206115	2.663091	0.008483	0.232983
FLI1;TP53AIP1;ARHGAP32;ETS1	-0.39114	-2.66315	0.008482	0.232983
	-0.3977	-2.66285	0.008489	0.232983
	-0.24754	-2.6602	0.008553	0.233463
DNAJB2;PNKD;TTLL4;CCDC108;C2orf62;GLB1L;STK36;TUBA4B; RQCD1;STK16	-0.47498	-2.66384	0.008465	0.232868
	0.337179	2.659979	0.008559	0.233524
	-0.19362	-2.65927	0.008576	0.233611
	-0.21626	-2.66113	0.008531	0.233342
	-0.19791	-2.66073	0.00854	0.233342
	0.273383	2.66084	0.008538	0.233342
	0.383759	2.655761	0.008662	0.234214
C9orf116	0.24584	2.661043	0.008533	0.233342
	0.316398	2.66071	0.008541	0.233342
COL5A3;KANK2;AP1M2;CNN1;DOCK6;PDE4A;ZNF440;CDKN2D; ZNF441;RGL3;UBL5;OLFM2;ICAM3	0.479185	2.658762	0.008588	0.233611
MLLT4;FGFR1OP;SMOC2;ENSG00000228648;ENSG000002317 20;DACT2;MLLT4-AS1	-0.23189	-2.65612	0.008653	0.234151
	-0.36142	-2.66297	0.008486	0.232983
IFT80	-0.23322	-2.6578	0.008612	0.233835
	0.15577	2.660791	0.008539	0.233342
	0.2565	2.658842	0.008587	0.233611
	-0.30025	-2.65845	0.008596	0.233689
LILRB1;LILRB2;LAIR1	0.353507	2.660987	0.008534	0.233342
	0.305473	2.661327	0.008526	0.233335
HIF3A	-0.20279	-2.66095	0.008535	0.233342
	0.29756	2.661655	0.008518	0.233289
	0.20821	2.662851	0.008489	0.232983
	0.365561	2.66237	0.008501	0.23312
	0.328934	2.659651	0.008567	0.233607
NRXN2	-0.23993	-2.66297	0.008486	0.232983
	0.257634	2.66064	0.008543	0.233364
GPR124;PPAPDC1B;DDHD2;RAB11FIP1	0.405272	2.659831	0.008562	0.233556
PIK3CD	-0.29407	-2.65537	0.008672	0.234261
	-0.2697	-2.66109	0.008532	0.233342
YARS;RNF19B;HDAC1;TMEM54;MTMR9LP;TXLNA;EIF3I	0.235402	2.658198	0.008602	0.233689
COL18A1;ICOSLG	-0.19567	-2.66274	0.008492	0.233018
	0.260055	2.659894	0.008561	0.233556
	0.322194	2.659214	0.008577	0.233611
FAM126A;FAM221A;CDCA7L;RAPGEF5;GPNMB;DNAH11;ENSG 00000228649;ENSG00000226329	0.387256	2.659965	0.008559	0.233524
ADD2	0.269407	2.662541	0.008497	0.233062
	0.366674	2.658866	0.008586	0.233611
	0.226801	2.662415	0.0085	0.233105

	0.304559	2.659444	0.008572	0.233611
	0.142893	2.659617	0.008568	0.233607
	-0.3891	-2.66042	0.008548	0.233386
NRN1;FARS2;F13A1;DSP	0.383618	2.660175	0.008554	0.233463
PHYHIP1;SLC16A9;ANK3	-0.50977	-2.66057	0.008544	0.233374
CYTIP	-0.39415	-2.66157	0.00852	0.233295
RHPN1-AS1	0.33535	2.660847	0.008538	0.233342
SERPINH1;ENSG00000179240;LRRC32;MAP6;SLCO2B1;DGAT2; ENSG00000255434;C11orf30;ENSG00000255135	-0.57008	-2.6611	0.008531	0.233342
	0.210734	2.65703	0.008631	0.233944
	0.247208	2.657541	0.008618	0.233848
PDCD6;TRIP13;NKD2;TPPP;ENSG00000188002;LPCAT1;AHRR;Z DHHC11	0.282124	2.654655	0.008689	0.234466
MCHR1;PMM1;XPNPEP3;ENSG00000231993;L3MBTL2;DESI1;N FAM1	-0.29328	-2.66213	0.008506	0.233162
	0.267492	2.658827	0.008587	0.233611
CXCR6;CCR5;XCR1	0.386687	2.659828	0.008562	0.233556
COBL	0.325166	2.661068	0.008532	0.233342
	0.213576	2.658914	0.008585	0.233611
ENO1-IT1;ENSG00000234546	-0.31492	-2.65732	0.008624	0.233881
	0.245541	2.660203	0.008553	0.233463
	0.313038	2.661401	0.008524	0.233328
FUT3;UHRF1;PTPRS;FUT6	0.33954	2.66141	0.008524	0.233328
	0.22412	2.657874	0.00861	0.233799
CCT3;HDGF;RAB25;PEAR1;RIT1;C1orf85	-0.2664	-2.66076	0.00854	0.233342
	0.313719	2.660162	0.008554	0.233463
	0.33345	2.65679	0.008637	0.234031
	-0.37096	-2.66148	0.008522	0.233328
	0.370082	2.657911	0.008609	0.23379
NBL1;KLHDC7A	-0.41145	-2.65922	0.008577	0.233611
FAM96A;RBPM52;FBXL22;SNX1;CSNK1G1;TPM1;ENSG0000025 9498	-0.25175	-2.66047	0.008547	0.233386
ELMO1;TRGC2	-0.29996	-2.66074	0.00854	0.233342
	-0.22062	-2.65911	0.00858	0.233611
SUN1;HEATR2	0.42254	2.661285	0.008527	0.233342
	-0.2709	-2.65807	0.008605	0.233741
	0.321851	2.65998	0.008559	0.233524
	0.24253	2.656472	0.008645	0.234095
C7orf49;TMEM140	-0.40597	-2.66143	0.008524	0.233328
ENSG00000237070;MEOX2	-0.40693	-2.66111	0.008531	0.233342
	-0.27227	-2.66213	0.008507	0.233162
TRAC;ZFH2	-0.22398	-2.6611	0.008531	0.233342
	0.426058	2.659387	0.008573	0.233611
	-0.23773	-2.65892	0.008584	0.233611
FCGR3A;FCGR2A	-0.42391	-2.65664	0.008641	0.234043
	0.224685	2.659622	0.008567	0.233607
	-0.35976	-2.65935	0.008574	0.233611

	-0.26899	-2.65884	0.008586	0.233611
NPR1;ATP8B2;JTB;GATAD2B;C1orf43;S100A6;CREB3L4;ILF2;TP				
M3;S100A8;S100A9;S100A14	-0.3865	-2.659	0.008583	0.233611
ARHGEF1	-0.27441	-2.65888	0.008586	0.233611
ABI3;SKAP1;PHOSPHO1;PRR15L;ENSG00000235300	0.358731	2.659548	0.008569	0.233611
	0.15551	2.654781	0.008686	0.234466
CHRD;YEATS2;KLHL6	-0.23087	-2.65688	0.008635	0.233985
SLC22A23	0.330386	2.662017	0.008509	0.233162
FENDRR;FOXF1;USP10;FOXL1;FAM92B;KIAA0513;CRISPLD2	-0.27972	-2.66043	0.008548	0.233386
NME4;HN1L;SOX8;ENSG00000260807;TMEM204;UNKL	-0.32281	-2.65751	0.008619	0.233848
	0.342126	2.657995	0.008607	0.233749
	0.257057	2.660914	0.008536	0.233342
FAM20B	-0.15655	-2.65924	0.008577	0.233611
	0.502705	2.66074	0.00854	0.233342
	-0.39372	-2.65859	0.008593	0.233663
	0.350204	2.661992	0.00851	0.233162
DVL2;MIR497HG;CLDN7;BCL6B;ZBTB4;CHRNB1;CHD3;KIAA075				
3;SLC2A4;ALOX12P2;SCARNA21	-0.23253	-2.65889	0.008585	0.233611
	0.263825	2.658381	0.008598	0.233689
	0.257899	2.658303	0.0086	0.233689
EIF4BP3	0.326405	2.66139	0.008524	0.233328
TFAP2C;AURKA;CASS4;RAE1	0.498692	2.660632	0.008543	0.233364
PDE2A;ARHGEF17;P2RY2	-0.20039	-2.65672	0.008639	0.234034
	-0.17301	-2.65899	0.008583	0.233611
	0.252734	2.659422	0.008572	0.233611
	-0.44033	-2.65824	0.008601	0.233689
PEAK1	0.227854	2.657479	0.00862	0.233848
	-0.30898	-2.65872	0.00859	0.233611
	-0.28861	-2.65928	0.008576	0.233611
FAM13C;CDK1;ANK3	0.331294	2.658675	0.008591	0.233623
	-0.17268	-2.65919	0.008578	0.233611
CHCHD4	-0.38406	-2.66013	0.008555	0.233463
FBLIM1;DNAJC16;ENSG00000238142;FHAD1;PLEKHM2	-0.30985	-2.65721	0.008626	0.233885
	0.311427	2.657247	0.008626	0.233885
	-0.30867	-2.65845	0.008596	0.233689
TEKT2;C1orf216	0.285741	2.660947	0.008535	0.233342
	-0.29058	-2.65648	0.008644	0.234095
	0.36279	2.657627	0.008616	0.233848
	0.281743	2.659005	0.008583	0.233611
IRX2	0.356004	2.658716	0.00859	0.233611
	-0.39036	-2.65841	0.008597	0.233689
	-0.24617	-2.65759	0.008617	0.233848
	0.240127	2.658823	0.008587	0.233611
NKD2;PDCD6;TRIP13	-0.30985	-2.65557	0.008667	0.23422
PTP4A3;ENSG00000261655;ENSG00000271959	0.338945	2.656171	0.008652	0.234151

ASPA;PLD2;SPNS2;ALOX15;C17orf85;TRPV3;CYB5D2;MINK1	-0.28329	-2.65454	0.008692	0.234487
	-0.22959	-2.65901	0.008582	0.233611
	0.250575	2.658722	0.008589	0.233611
	0.28372	2.65931	0.008575	0.233611
TBCD;FN3K;SECTM1 CCDC11	-0.30051	-2.65673	0.008638	0.234034
	-0.2681	-2.65826	0.008601	0.233689
	0.242132	2.65567	0.008664	0.234214
	0.322036	2.657529	0.008619	0.233848
	0.243623	2.658846	0.008586	0.233611
	0.255842	2.656485	0.008644	0.234095
SPCS1;ITIH3;SEMA3G;ALAS1;ENSG00000243696;NISCH;PCBP4; GNL3;SFMBT1	0.232042	2.658024	0.008607	0.233745
	-0.23894	-2.65441	0.008695	0.234526
MRGPRF;UNC93B1;PITPNM1;ALDH3B1;FAM86C2P;ENSG00000255306;AIP;ALDH3B2;ENSG00000261625;GSTP1;ENSG00000251637;CDK2AP2;ENSG00000254610	0.367138	2.657724	0.008614	0.233848
	-0.29498	-2.65845	0.008596	0.233689
	-0.21496	-2.65826	0.008601	0.233689
	-0.27006	-2.65608	0.008654	0.234151
AHNAK2	0.350796	2.656659	0.00864	0.234043
ENSG00000204380 DKK3	0.236059	2.65521	0.008676	0.234301
	0.318608	2.658384	0.008598	0.233689
	0.216649	2.656665	0.00864	0.234043
ANGEL1;AHSA1;CIPC;IFT43;VASH1;SAMD15;GPATCH2L;SPTLC2	-0.37136	-2.65325	0.008724	0.234754
	0.238846	2.657405	0.008622	0.233848
	0.374583	2.659743	0.008565	0.233582
	-0.34602	-2.6598	0.008563	0.233562
PRDX3;SEC23IP;ENSG00000220842;GRK5;GRK5- IT1;CACUL1;MCMBP	0.341119	2.65763	0.008616	0.233848
	0.298811	2.658038	0.008606	0.233745
NEK6;PSMB7;ARPC5L GPR183	-0.40915	-2.65931	0.008575	0.233611
	0.287483	2.656228	0.008651	0.234151
	-0.25219	-2.65763	0.008616	0.233848
	-0.31693	-2.65962	0.008568	0.233607
DNAJB3;ENSG00000224814;UGT1A6;ENSG00000248705 PRKCA	-0.34152	-2.6582	0.008602	0.233689
	-0.45232	-2.65924	0.008577	0.233611
SMIM5;RNF157- AS1;RHBDF2;UNC13D;ST6GALNAC2;SPHK1;FOXJ1 PSMG3	-0.35835	-2.65817	0.008603	0.233691
	-0.24084	-2.65584	0.00866	0.234214
	-0.31552	-2.65826	0.008601	0.233689
	0.468197	2.657306	0.008624	0.233881
	-0.13733	-2.6537	0.008713	0.234698
	-0.35805	-2.65901	0.008582	0.233611
	0.2927	2.65464	0.00869	0.234466
	0.333007	2.653294	0.008723	0.234754

	0.304123	2.656105	0.008654	0.234151
	-0.26265	-2.65742	0.008621	0.233848
	0.233658	2.657401	0.008622	0.233848
	0.276954	2.658227	0.008602	0.233689
VAMP8;ATOH8;TCF7L1;TCF7L1-IT1	-0.38388	-2.65415	0.008702	0.234606
PLEKHM2	-0.20018	-2.6557	0.008664	0.234214
INPP5K;SCARF1;MYO1C;HIC1;FAM101B;RPH3AL	-0.21828	-2.65115	0.008777	0.235368
	0.351031	2.657463	0.00862	0.233848
ICT1	0.323776	2.65746	0.00862	0.233848
	-0.22916	-2.65922	0.008577	0.233611
FASTKD5	0.241014	2.656345	0.008648	0.234135
	-0.24839	-2.6553	0.008674	0.234272
	0.243811	2.65572	0.008663	0.234214
	0.304851	2.655185	0.008676	0.234301
	-0.25458	-2.65701	0.008631	0.233944
	0.198182	2.657172	0.008627	0.233896
	-0.25263	-2.65598	0.008657	0.234171
IFFO1;CLSTN3;VWF;ANO2;C1R;C1RL;NTF3;SCNN1A;LEPREL2;C1S;RBP5;CD27;C1RL-				
AS1;LRRC23;CD9;ATN1;GPR162;SPSB2;GNB3;ENSG0000025708				
4	-0.49363	-2.65412	0.008703	0.23461
CIITA	-0.36864	-2.65586	0.00866	0.234214
TRAF3IP1;RAB17;MLPH;COL6A3;TWIST2;ENSG00000232306;LIN				
NC01107;HES6	-0.31979	-2.65378	0.008711	0.234698
	0.241983	2.656914	0.008634	0.233979
MBOAT2;GRHL1;CPSF3	-0.37219	-2.65873	0.008589	0.233611
ACACB;KCTD10	0.227613	2.655383	0.008671	0.234261
	0.349271	2.65721	0.008627	0.233885
ATPIF1;WDTC1;TRNAU1AP;CD164L2;RPS6KA1;ENSG000002706				
05;NUDC;PIGV	-0.22193	-2.65542	0.008671	0.234261
	0.350127	2.656768	0.008637	0.234031
	-0.25074	-2.65585	0.00866	0.234214
	0.263835	2.657759	0.008613	0.233847
	-0.21066	-2.65842	0.008597	0.233689
HSP90AB1;POLR1C	-0.2019	-2.65636	0.008647	0.234135
CHD1L	-0.28276	-2.65166	0.008764	0.235277
	0.213075	2.653387	0.008721	0.234747
TRGV10;TRGC2;TRGV2	-0.40584	-2.65644	0.008646	0.234103
	-0.33508	-2.65618	0.008652	0.234151
	0.30219	2.656472	0.008645	0.234095
	0.204521	2.653221	0.008725	0.234754
	-0.25618	-2.65608	0.008654	0.234151
	-0.23087	-2.65612	0.008653	0.234151
RNF8	0.33514	2.656942	0.008633	0.233975
CAPN9;ENSG00000244137;SPRTN	-0.46418	-2.65603	0.008655	0.234151
	-0.25361	-2.65745	0.008621	0.233848
	-0.55794	-2.65751	0.008619	0.233848



	-0.33453	-2.65724	0.008626	0.233885
	0.217155	2.653977	0.008706	0.234663
	-0.34697	-2.65825	0.008601	0.233689
	-0.20242	-2.65571	0.008663	0.234214
	0.204438	2.654697	0.008688	0.234466
FAM174B;ENSG00000258551;RGMA;SLCO3A1	-0.26565	-2.65266	0.008739	0.234935
	-0.39264	-2.65705	0.00863	0.233944
	0.460513	2.655295	0.008674	0.234272
PARD6B	-0.28434	-2.65463	0.00869	0.234466
	0.251663	2.65488	0.008684	0.23442
LDB2;FBXL5	-0.33434	-2.6544	0.008696	0.234526
	-0.27268	-2.65616	0.008652	0.234151
	-0.31449	-2.65178	0.008761	0.235245
	-0.3495	-2.65261	0.00874	0.234947
	0.435252	2.654205	0.008701	0.234606
AGTRAP;MTHFR;CASZ1	-0.33576	-2.6551	0.008678	0.234328
	-0.20325	-2.65466	0.008689	0.234466
FRMPD2P1;FRMPD2;GDF10;ENSG00000232462;BMS1P7;CTGLF12P	0.289689	2.654287	0.008699	0.234589
SLFN13;UNC45B;ENSG00000266947;LIG3;SLFN11;GAS2L2;RFFL	-0.22716	-2.65309	0.008728	0.234764
	0.306593	2.653099	0.008728	0.234764
CROCC;KLHDC7A	0.292057	2.65555	0.008667	0.23422
	-0.34927	-2.65561	0.008666	0.23422
	0.218786	2.654528	0.008693	0.234487
	0.271494	2.653667	0.008714	0.234698
DOCK3;SEMA3G;POC1A	-0.22032	-2.6534	0.00872	0.234747
	-0.23197	-2.65114	0.008777	0.235368
ESRP2; CIRH1A; HAS3; CDH1	-1.41804	-2.6556	0.008666	0.23422
	0.31355	2.655388	0.008671	0.234261
	0.330812	2.657018	0.008631	0.233944
	0.354822	2.656032	0.008655	0.234151
MYOF	-0.33548	-2.65315	0.008727	0.234757
	0.345747	2.652583	0.008741	0.234947
	-0.28498	-2.65575	0.008662	0.234214
	0.196088	2.653187	0.008726	0.234754
	0.283945	2.653859	0.008709	0.234675
	-0.24038	-2.65612	0.008653	0.234151
PLEKHO1;CGN;ADAMTSL4;SELENBP1	-0.25923	-2.65556	0.008667	0.23422
KCNA3;ENSG00000259834	-0.30221	-2.65574	0.008663	0.234214
	0.284059	2.655405	0.008671	0.234261
	-0.37583	-2.65128	0.008773	0.235368
	0.295233	2.653732	0.008712	0.234698
	0.246274	2.653925	0.008708	0.234668
	-0.27829	-2.65401	0.008705	0.234663
	0.249539	2.65476	0.008687	0.234466
ARPC1A;COPS6;RPS3AP26	0.202917	2.655355	0.008672	0.234261

	-0.31285	-2.65487	0.008684	0.23442
	0.269425	2.655683	0.008664	0.234214
	-0.30478	-2.65052	0.008792	0.235544
SMO	0.254569	2.652402	0.008745	0.235034
LRRC71;MTX1;NES;ASH1L;PEAR1;SYT11;HDGF;IQGAP3;MEF2D	-0.31861	-2.64903	0.008829	0.235855
	0.200472	2.651792	0.00876	0.235245
	-0.33797	-2.65385	0.008709	0.234675
	-0.35568	-2.64953	0.008817	0.235757
KIAA0586	0.308972	2.652842	0.008734	0.234844
	0.296976	2.651042	0.008779	0.235401
	0.218457	2.651836	0.008759	0.235245
ENSG00000268362	0.319667	2.653992	0.008706	0.234663
ZNF70	-0.22611	-2.65182	0.00876	0.235245
NUP210	-0.33058	-2.65618	0.008652	0.234151
NOS3;GIMAP8;REPIN1;ACTR3C;GIMAP6;CHPF2;RARRES2	-0.34616	-2.65496	0.008682	0.234389
	0.207602	2.646788	0.008886	0.236242
TTLL9;RNU1-94P;BCL2L1;DEFB124	-0.40277	-2.65519	0.008676	0.234301
ENSG00000237478	-0.32953	-2.64968	0.008813	0.235736
	-0.18726	-2.65499	0.008681	0.234386
	-0.33457	-2.6534	0.008721	0.234747
	0.273127	2.649833	0.008809	0.235701
ODF2L	-0.29356	-2.65415	0.008702	0.234606
TRIM26;HLA-A	-0.25734	-2.6529	0.008733	0.234821
	-0.23701	-2.65459	0.008691	0.234476
	-0.32519	-2.65088	0.008783	0.235447
	0.213567	2.653264	0.008724	0.234754
	0.244965	2.65363	0.008715	0.234698
INPP5A;ECHS1;TUBGCP2;LRRC27	-0.38006	-2.65214	0.008752	0.235138
	-0.27462	-2.65385	0.008709	0.234675
	-0.26921	-2.65162	0.008765	0.235289
	-0.20009	-2.65158	0.008766	0.23529
	-0.36911	-2.65514	0.008678	0.234317
	-0.29129	-2.65297	0.008731	0.23482
	-0.22954	-2.65034	0.008797	0.235586
	0.262767	2.651907	0.008758	0.235217
	-0.15421	-2.65154	0.008767	0.2353
SNRPD1	0.272342	2.653394	0.008721	0.234747
RNF157-AS1;RHBDF2;SMIM5;UNC13D;SLC16A5	-0.30662	-2.65267	0.008739	0.234935
	-0.30981	-2.65441	0.008695	0.234526
	-0.26186	-2.65365	0.008714	0.234698
	0.212955	2.649165	0.008826	0.235811
	-0.27449	-2.65423	0.0087	0.234606
PARP12;TBXAS1;JHDM1D-AS1	-0.39218	-2.65339	0.008721	0.234747
GALNS	0.259761	2.650096	0.008803	0.235624
PYHIN1	-0.34925	-2.65415	0.008702	0.234606

	0.254115	2.653235	0.008725	0.234754
	-0.20734	-2.65361	0.008715	0.234698
SLC20A2;HOOK3;AP3M2;VDAC3	-0.4154	-2.65472	0.008688	0.234466
	-0.26105	-2.65363	0.008715	0.234698
	0.246485	2.651938	0.008757	0.235217
	0.290512	2.649607	0.008815	0.235757
PFN4;KLHL29;TP53I3	-0.36061	-2.65129	0.008773	0.235368
ANKRD35;PIAS3;CHD1L;FMO5;LIX1L;CCT8P1	0.29753	2.653256	0.008724	0.234754
THEMIS2;WDTC1;TRNP1	-0.28492	-2.65394	0.008707	0.234668
ENSG00000198580	0.391902	2.651151	0.008776	0.235368
	-0.21416	-2.65349	0.008718	0.234747
	-0.23982	-2.65192	0.008757	0.235217
	0.261401	2.651129	0.008777	0.235368
	0.216505	2.650276	0.008798	0.235599
ZNF831	-0.3247	-2.65376	0.008711	0.234698
TIMP2;CBX2;C1QTNF1;CYTH1	0.212247	2.647482	0.008868	0.236183
SKAP1	0.341142	2.652899	0.008733	0.234821
CTBP1-AS2	0.260871	2.649327	0.008822	0.235766
	0.242733	2.651238	0.008774	0.235368
FYB	0.378115	2.652553	0.008742	0.234947
	-0.2493	-2.65233	0.008747	0.235065
ZNF415	-0.44197	-2.65014	0.008802	0.235624
SKP1	0.318098	2.649991	0.008805	0.235642
	-0.17212	-2.65051	0.008792	0.235544
DIO3OS;DIO3;MEG3;MEG8;RTL1	-0.23074	-2.65073	0.008787	0.235529
	0.254163	2.651437	0.008769	0.235324
SRSF12	0.235443	2.651008	0.00878	0.235401
CHSY1;DNM1P47;ENSG00000272808;ENSG00000259236	0.237509	2.646037	0.008905	0.236381
SAR1A	-0.22868	-2.65292	0.008732	0.234821
ATXN10	-0.28631	-2.64843	0.008845	0.235991
LIPH;C3orf70;MAP3K13;DNAJB11;DGKG;ST6GAL1;EHHADH	-0.33544	-2.65229	0.008748	0.235065
	0.31329	2.65068	0.008788	0.235544
	0.26027	2.650087	0.008803	0.235624
AKR1C2;AKR1C3	-0.32791	-2.64139	0.009023	0.237409
TIMP3;FBXO7	0.310686	2.653047	0.008729	0.23478
LINC00205	-0.29852	-2.6476	0.008865	0.236168
	-0.24459	-2.65041	0.008795	0.235568
	-0.25631	-2.65016	0.008801	0.235624
HOOK1	-0.44103	-2.65099	0.00878	0.235401
NPEPPS;HOXB6;PRR15L;TBKBP1;HOXB4	0.199829	2.653202	0.008725	0.234754
P2RX7;P2RX4	0.488197	2.652289	0.008748	0.235065
C16orf71;GLIS2;VASN;GLYR1;CDIP1;SMIM22;C16orf89;SEC14L				
5;TFAP4	0.292306	2.650462	0.008794	0.235548
SLBP	0.301695	2.651991	0.008756	0.235217
	0.217647	2.651184	0.008776	0.235368
IRX3;CRNDE;IRX5;FTO;RPGRIP1L	0.342747	2.651455	0.008769	0.235324

	0.229796	2.65169	0.008763	0.235277
	-0.27236	-2.65317	0.008726	0.234754
	0.247567	2.651926	0.008757	0.235217
RFX2;LRG1;TNFAIP8L1;CAPS;SEMA6B;CATSPERD;HSD11B1L;PTP RS;ENSG00000266983	-0.26817	-2.65054	0.008792	0.235544
	0.278801	2.648239	0.008849	0.236019
	-0.32368	-2.65359	0.008716	0.234698
	0.201025	2.651305	0.008773	0.235368
	0.271178	2.650623	0.00879	0.235544
COL9A3;PTK6;STMN3	-0.30347	-2.64723	0.008875	0.236199
	0.191965	2.650063	0.008804	0.235624
ZBTB37	-0.21926	-2.64973	0.008812	0.235728
	-0.22132	-2.65102	0.00878	0.235401
DENND5A;STK33;C11orf16;TUB;OR5P3;TMEM41B;SBF2;WEE1; TMEM9B	-0.42217	-2.64956	0.008816	0.235757
	0.307442	2.650358	0.008796	0.235586
	0.268042	2.650118	0.008802	0.235624
	0.381486	2.651675	0.008763	0.235277
	0.258726	2.650006	0.008805	0.235642
	0.21311	2.651518	0.008767	0.2353
FAM167A;FDFT1	-0.28252	-2.64696	0.008882	0.236199
ITGB7	0.325417	2.652574	0.008741	0.234947
GDF10	0.211963	2.648253	0.008849	0.236019
LHPP;DHX32;FANK1	-0.4131	-2.65061	0.00879	0.235544
	-0.32146	-2.64905	0.008829	0.235855
	0.264968	2.64885	0.008834	0.235926
EMBP1	0.291745	2.648071	0.008854	0.236073
	-0.15681	-2.64629	0.008898	0.236341
ROPN1B;HEG1;FAM86JP;ALG1L;MUC13;SNX4 GALNT16	-0.38287	-2.6472	0.008876	0.236199
	-0.30471	-2.64932	0.008822	0.235766
	-0.28006	-2.65092	0.008782	0.235432
	-0.19018	-2.64945	0.008819	0.235761
	-0.40836	-2.6516	0.008765	0.235289
MBOAT1;ID4;ENSG00000226786	0.286022	2.648573	0.008841	0.235972
ENSG00000270055;ENSG00000215302	0.258948	2.650218	0.0088	0.235623
	0.229653	2.650519	0.008792	0.235544
ABHD17C;IL16;KIAA1199	-0.39461	-2.65116	0.008776	0.235368
	-0.26652	-2.64934	0.008822	0.235766
ASPA	0.181102	2.649794	0.00881	0.235701
	-0.20454	-2.64868	0.008838	0.235952
	0.173446	2.650081	0.008803	0.235624
ST7-OT4	0.392847	2.648632	0.008839	0.235952
CRLS1	0.294114	2.646917	0.008883	0.236199
	0.179796	2.648639	0.008839	0.235952
	-0.33119	-2.64979	0.00881	0.235701
	0.202198	2.651191	0.008775	0.235368
	0.355085	2.649896	0.008808	0.235676

	0.278033	2.649937	0.008807	0.235664
	-0.4675	-2.6471	0.008878	0.236199
PIEZO1;CBFA2T3;RNF166;TRAPPC2L;ANKRD11;ENSG00000224888;ENSG00000259881;ENSG00000261226	0.266936	2.647091	0.008878	0.236199
TEAD2;PIH1D1;MYH14;FUZ	0.289658	2.647669	0.008864	0.236151
	0.330832	2.650637	0.008789	0.235544
	0.484146	2.652209	0.00875	0.235104
	-0.16543	-2.64845	0.008844	0.235991
	-0.30454	-2.64729	0.008873	0.236199
WNT4;USP48	-0.40852	-2.64761	0.008865	0.236168
AGO3;ADPRHL2;TEKT2;ENSG00000201448;OSCP1;CSF3R;GRIK3	-0.35656	-2.64805	0.008854	0.236073
TK2	0.124085	2.647477	0.008869	0.236183
FAM115C;MGAM	0.264188	2.649585	0.008816	0.235757
SLC17A9	0.217818	2.648487	0.008843	0.235991
DCTPP1	0.228906	2.645857	0.008909	0.236396
EBF1;ENSG00000253811;ENSG00000253456;RNF145	-0.24894	-2.64772	0.008862	0.236146
	0.246986	2.64717	0.008876	0.236199
IMPA1;PAG1;SLC10A5;CHMP4C;ENSG00000254162	0.509998	2.647752	0.008862	0.236141
	0.299641	2.648054	0.008854	0.236073
	-0.26071	-2.64942	0.00882	0.235761
	0.315029	2.650569	0.008791	0.235544
GPR133	-0.33987	-2.64465	0.00894	0.236741
	0.252862	2.647021	0.00888	0.236199
DENND2D;KCND3-AS1	0.246818	2.649545	0.008817	0.235757
	0.287136	2.647939	0.008857	0.236088
	-0.3237	-2.64875	0.008837	0.235948
	0.211236	2.64775	0.008862	0.236141
	-0.33475	-2.64883	0.008834	0.235926
MYO9B;NWD1	-0.31802	-2.64891	0.008833	0.235909
	-0.33148	-2.65031	0.008797	0.235592
HOXB3;HOXB4;PRR15L;HOXB-AS2;NPEPPS;SKAP1;TBKBP1	-0.29936	-2.64768	0.008863	0.236151
SLC22A15;AMPD1;CASQ2;DENND2C;ENSG00000233730	0.322759	2.64433	0.008948	0.23675
TLN1;RUSC2;TPM2;DNAJB5;RECK;UNC13B;GNE;STOML2;RNF38;CLTA;PIGO;GLIPR2;VCP;CCL19;CCL21;HINT2;IL11RA;FAM166B	0.257786	2.647468	0.008869	0.236183
	-0.28892	-2.64713	0.008877	0.236199
	0.174264	2.647011	0.00888	0.236199
NEK2	0.245456	2.648934	0.008832	0.235908
FCHSD2;PDE2A	-0.37962	-2.6446	0.008941	0.236741
	0.249584	2.644449	0.008945	0.236741
LPIN2	-0.23674	-2.64575	0.008912	0.23644
	0.306507	2.649309	0.008822	0.235766
LY6H	-0.13348	-2.64968	0.008813	0.235736
	0.241509	2.646944	0.008882	0.236199
	-0.84153	-2.64882	0.008835	0.235926

ITPR2	-0.37617	-2.6479	0.008858	0.236101
	0.317814	2.645919	0.008908	0.236381
	0.135811	2.646297	0.008898	0.236341
	0.29353	2.648005	0.008855	0.236073
	0.229125	2.648347	0.008847	0.236019
HPCAL1	-0.36233	-2.6493	0.008823	0.235766
	0.273985	2.64465	0.00894	0.236741
	0.228363	2.648095	0.008853	0.236073
	-0.32025	-2.64945	0.008819	0.235761
	-0.17138	-2.64924	0.008824	0.235788
KIF3A;SLC22A4;P4HA2;PDLIM4;GDF9;SEPT8;SOWAHA;SHROOM1;HSPA4;SLC22A5;ENSG00000230612	-0.40783	-2.64569	0.008914	0.236465
	0.447144	2.649476	0.008818	0.235761
RNF212;FGFR3;PDE6B;ENSG00000272927;ENSG00000273179;SPON2	-0.33729	-2.64872	0.008837	0.235948
	0.260428	2.64851	0.008843	0.235991
	0.334063	2.643534	0.008968	0.236935
	0.251573	2.647179	0.008876	0.236199
	0.307609	2.649051	0.008829	0.235855
SNHG3;TAF12;SNORA73B CPEB4;ERGIC1	-0.23862	-2.64776	0.008861	0.236141
	-0.22014	-2.64744	0.00887	0.23619
	-0.25394	-2.64367	0.008965	0.236932
	-0.15736	-2.64642	0.008895	0.236314
	-0.2516	-2.64943	0.00882	0.235761
GIMAP5 TRNP1;DHDDS;AIM1L;FAM110D;GPN2	-0.296	-2.64729	0.008873	0.236199
	-0.19542	-2.64921	0.008825	0.235798
	-0.37807	-2.65048	0.008793	0.235548
	0.255538	2.645095	0.008929	0.236644
	-0.29275	-2.64802	0.008855	0.236073
ZKSCAN1;COPS6;BUD31 PLEKHG2	-0.28662	-2.64841	0.008845	0.235991
	-0.38624	-2.64616	0.008902	0.23637
	-0.18888	-2.64298	0.008982	0.237053
VPS26B	0.283515	2.645931	0.008908	0.236381
	-0.17713	-2.647	0.008881	0.236199
	-0.24739	-2.64634	0.008897	0.23634
	-0.23889	-2.64843	0.008845	0.235991
	-0.23684	-2.64517	0.008927	0.236638
	0.293177	2.647335	0.008872	0.236199
	0.247988	2.647201	0.008875	0.236199
	-0.28468	-2.64599	0.008906	0.236381
	0.357856	2.648626	0.00884	0.235952
	0.388329	2.646896	0.008883	0.236199
LDB1;LZTS2 PEAR1;SMG5;SLC50A1	0.265786	2.644468	0.008945	0.236741
	-0.3408	-2.64749	0.008868	0.236183
	-0.16309	-2.64824	0.008849	0.236019
NWD1;C19orf44;ENSG00000267275;OCEL1;RASAL3;CYP4F12;ENSG00000269836	-0.32247	-2.64302	0.008981	0.237053

PMEP A1	0.328974	2.64652	0.008893	0.236294
ANO2;NTF3;VWF;CCND2	-0.36036	-2.64398	0.008957	0.236867
	0.225742	2.643207	0.008977	0.237032
ENSG00000226891	-0.31123	-2.64519	0.008926	0.236638
	0.363944	2.64699	0.008881	0.236199
	-0.34653	-2.64786	0.008859	0.236109
	0.159289	2.647467	0.008869	0.236183
NDUFB3;BZW1	-0.22496	-2.64557	0.008917	0.236502
	0.236312	2.648303	0.008848	0.236019
	0.313024	2.646938	0.008882	0.236199
	0.194716	2.646866	0.008884	0.236204
	-0.29918	-2.6483	0.008848	0.236019
	0.375872	2.646639	0.00889	0.236283
PTPRG;FHIT	0.308599	2.641959	0.009008	0.237308
	0.214	2.64716	0.008876	0.236199
ADAMTS17;DNM1P47	-0.37469	-2.64616	0.008902	0.23637
PNLDC1	-0.3081	-2.64349	0.008969	0.236935
GHITM	-0.37692	-2.64872	0.008837	0.235948
	0.240398	2.646015	0.008905	0.236381
RAD51B;ENSG00000258837	0.198191	2.644696	0.008939	0.236741
ARSB;BHMT	0.235304	2.644405	0.008946	0.236741
	0.392694	2.648008	0.008855	0.236073
	-0.3152	-2.64714	0.008877	0.236199
ABCA4;ABCD3;ARHGAP29;GCLM;EVI5;ENSG00000233129	-0.41835	-2.64286	0.008985	0.237091
	0.302085	2.646507	0.008893	0.236294
	0.265898	2.647954	0.008857	0.236088
ENSG00000260807;SOX8;HN1L;ABCA3;UNKL;ECI1	-0.25307	-2.64009	0.009056	0.237726
	-0.21897	-2.63998	0.009059	0.237726
PPIF	0.318696	2.646499	0.008893	0.236294
RXRG;PBX1;TMCO1	0.341943	2.642035	0.009006	0.237308
LRRC27;INPP5A;TTC40;PWWP2B;FUOM;KNDC1;STK32C;TUBGC				
P2	-0.29525	-2.64602	0.008905	0.236381
	-0.21349	-2.64619	0.008901	0.23637
	-0.17489	-2.64645	0.008894	0.236306
	0.296969	2.643858	0.00896	0.236902
	0.411863	2.644969	0.008932	0.23671
	0.277979	2.645185	0.008926	0.236638
B3GNT5;ENSG00000238837	-0.36548	-2.64649	0.008893	0.236294
	0.24574	2.646766	0.008886	0.236242
	-0.20813	-2.6444	0.008946	0.236741
	-0.29208	-2.64459	0.008941	0.236741
	0.277728	2.644746	0.008938	0.236741
	0.391819	2.645902	0.008908	0.236381
	-0.39585	-2.64137	0.009023	0.237409
FAIM3;PFKFB2;DYRK3	0.35986	2.644948	0.008932	0.23671
ISLR	0.144155	2.643662	0.008965	0.236932

	0.219204	2.645538	0.008917	0.236502
	-0.16474	-2.64655	0.008892	0.236294
	-0.24306	-2.64618	0.008901	0.23637
	-0.3179	-2.64511	0.008928	0.236644
	0.234604	2.645662	0.008914	0.236468
	0.223214	2.644744	0.008938	0.236741
	-0.3603	-2.64445	0.008945	0.236741
ENSG00000259881;TRAPPC2L;PIEZO1	0.232723	2.642676	0.00899	0.237184
	0.285295	2.64425	0.00895	0.23675
ARAP3;PCDH12;SPRY4;PCDHGA4;PCDHGA5;PCDHGB2;PCDHGC3;PCDHGB7;PCDHGA9;PCDHGA12;PCDHGA2;PCDHGA6;PCDHGC5;PCDHGB1;KIAA0141	0.348209	2.646654	0.008889	0.236283
	0.234374	2.644837	0.008935	0.236741
	-0.34464	-2.64552	0.008918	0.236502
HLA-K;HCG4P7;HLA-H	-0.22716	-2.64521	0.008926	0.236638
	-0.36449	-2.64718	0.008876	0.236199
SH3TC1;PSAPL1;SORCS2;AFAP1;ABLIM2	-0.32662	-2.64465	0.00894	0.236741
	-0.1903	-2.64344	0.008971	0.236935
	0.276622	2.644815	0.008936	0.236741
RASAL3;MYO9B;NWD1;BRD4;SIN3B;KLF2;SYDE1	-0.3936	-2.64556	0.008917	0.236502
	-0.28778	-2.64308	0.00898	0.237044
	-0.40267	-2.64241	0.008997	0.237242
	0.33832	2.645763	0.008912	0.23644
JAK3;FCHO1;MAST3	-0.28199	-2.64591	0.008908	0.236381
	-0.29668	-2.64429	0.008949	0.23675
	0.250026	2.646022	0.008905	0.236381
	0.440955	2.647112	0.008878	0.236199
PIH1D1	-0.24867	-2.64603	0.008905	0.236381
	0.18502	2.644284	0.008949	0.23675
	-0.48793	-2.64513	0.008928	0.236644
C4orf33	-0.38038	-2.64194	0.009009	0.237308
	-0.37695	-2.64426	0.00895	0.23675
GIMAP7;TMEM176A;GIMAP8;GIMAP5;GIMAP2;GIMAP4;TME				
M176B;GIMAP6;GIMAP1;ATG9B	-0.23905	-2.64548	0.008919	0.236514
TGIF2;EPB41L1;MYL9;RBL1	-0.29287	-2.64239	0.008997	0.237242
	0.351425	2.64666	0.008889	0.236283
	-0.30216	-2.64526	0.008924	0.236638
SLC43A2;GEMIN4;NXN	-0.32739	-2.64451	0.008943	0.236741
ENSG00000230739;C1orf110	-0.37711	-2.64013	0.009055	0.237726
C11orf74;PAMR1	-0.36121	-2.64358	0.008967	0.236935
PLA2R1	0.308371	2.644931	0.008933	0.23671
	-0.24031	-2.6441	0.008954	0.236813
TUBB2A;SERPINB6	0.198131	2.643417	0.008971	0.236935
	0.341387	2.643135	0.008978	0.237044
FHAD1;CROCC	-0.24503	-2.64329	0.008974	0.23699
	0.287855	2.642816	0.008987	0.237104
	-0.49528	-2.64292	0.008984	0.237079



FNDC5;SYNC;TMEM54;KIAA1522;CSMD2;RNF19B;AK2	-0.38496	-2.64391	0.008959	0.236898
ABI3;FAM117A;HOXB4;EPN3;COL1A1;CALCOCO2;NXPH3;HOXB				
3;MRPL27;HOXB-AS2;MIR10A	-0.20518	-2.64637	0.008896	0.236333
	0.256768	2.642857	0.008985	0.237091
	0.298678	2.6452	0.008926	0.236638
	-0.22482	-2.64373	0.008963	0.23693
	-0.25251	-2.64262	0.008992	0.237192
	-0.17832	-2.64599	0.008906	0.236381
	0.161673	2.643442	0.008971	0.236935
	0.28866	2.643333	0.008973	0.236976
	0.167208	2.640863	0.009036	0.237556
	-0.3928	-2.64463	0.008941	0.236741
	0.190435	2.643436	0.008971	0.236935
YIF1A	0.18141	2.63937	0.009075	0.23783
	-0.26904	-2.64654	0.008892	0.236294
	-0.28706	-2.63991	0.009061	0.237728
WSB2;FBXO21	0.256169	2.642379	0.008998	0.237242
	0.263333	2.644502	0.008944	0.236741
ZNF136;NFI	0.15497	2.643794	0.008962	0.236916
RNF32;SHH;RBM33;C7orf13;PAXIP1-AS2	0.365663	2.641826	0.009012	0.237341
	-0.22787	-2.64006	0.009057	0.237726
FTSJ2	0.244841	2.644668	0.008939	0.236741
	0.192324	2.643419	0.008971	0.236935
BCYRN1	0.148757	2.641484	0.009021	0.237409
	0.229728	2.644778	0.008937	0.236741
FLAD1;RAB25;SLC50A1;SHE;ZBTB7B;TPM3;TDRD10;MUC1;DAP				
3;SYT11;UBE2Q1;ASH1L;LAMTOR2;ATP8B2;SSR2	-0.2933	-2.64221	0.009002	0.237308
TRAF3IP1;RAB17;HES6;ENSG00000232306	-0.41008	-2.6436	0.008967	0.236935
	0.167201	2.638365	0.009101	0.238041
	0.241214	2.642519	0.008994	0.237223
GABBR1;HCG14	0.412523	2.640722	0.00904	0.237591
	-0.20168	-2.64109	0.009031	0.237475
NDUFB3	0.381502	2.639343	0.009075	0.23783
	0.259282	2.642982	0.008982	0.237053
	0.252881	2.644377	0.008947	0.236745
	-0.26321	-2.64312	0.008979	0.237044
	0.383736	2.64377	0.008962	0.236917
CCDC96;KIAA0232;CRMP1;EVC;SORCS2;WFS1;PSAPL1;PPP2R2				
C	-0.27085	-2.64172	0.009015	0.237346
	0.318609	2.64218	0.009003	0.237308
	0.271595	2.644424	0.008946	0.236741
SYNGAP1;ENSG00000272374;ANKS1A;ITPR3	-0.32199	-2.63881	0.009089	0.237963
	-0.23109	-2.64162	0.009017	0.237398
	0.154856	2.640067	0.009057	0.237726
	0.346418	2.643697	0.008964	0.236932
	0.196485	2.638791	0.00909	0.237963
RARRES3	-0.27103	-2.64405	0.008955	0.236835

CYS1;KLF11;GREB1;ROCK2	-0.23157	-2.64237	0.008998	0.237242
	0.213697	2.641392	0.009023	0.237409
	0.175745	2.642032	0.009007	0.237308
CHST6;ENSG00000203472;FA2H;TMEM170A;RFWD3;CFDP1;KARS	0.284133	2.644108	0.008954	0.236813
	-0.18032	-2.63848	0.009098	0.238009
TRAF1;GGTA1P	-0.337	-2.64264	0.008991	0.237191
	-0.25177	-2.64228	0.009	0.23729
	-0.35581	-2.64344	0.008971	0.236935
CARS	-0.37244	-2.64223	0.009001	0.237307
SARDH;GBGT1;ADAMTSL2;MED22;SURF6;SLC2A6;RALGDS	-0.31214	-2.64317	0.008978	0.237042
	0.25105	2.637721	0.009117	0.238143
PIEZO2	0.234768	2.642535	0.008994	0.237223
	0.356928	2.642163	0.009003	0.237308
	0.175355	2.64308	0.00898	0.237044
NLK;TRAF4;IFT20;TLCD1;ANKRD13B;RAB34;SUPT6H;DHRS13;CORO6;MYO18A;SPAG5;TWF1P1;VTN	-0.4609	-2.64193	0.009009	0.237308
RBFOX2;RASD2	-0.25202	-2.64194	0.009009	0.237308
RN7SKP71	0.178696	2.642004	0.009007	0.237308
	0.316501	2.641508	0.00902	0.237409
	-0.27319	-2.63789	0.009113	0.238116
	0.155776	2.639228	0.009078	0.237867
	0.262937	2.641769	0.009013	0.237341
VWDE	-0.63493	-2.64388	0.008959	0.236901
LPCAT1;NDUFS6;MRPL36;IRX2	-0.31154	-2.64113	0.00903	0.237475
	-0.25232	-2.64443	0.008946	0.236741
	0.338021	2.641287	0.009026	0.237409
PSTPIP1	-0.13142	-2.64129	0.009026	0.237409
	0.306067	2.641806	0.009012	0.237341
C1orf21;IVNS1ABP;EDEM3;COLGALT2	0.428351	2.643529	0.008968	0.236935
	0.35445	2.640021	0.009058	0.237726
	-0.22268	-2.6405	0.009046	0.237665
BCL11B;DEGS2	0.431781	2.644237	0.00895	0.23675
VASH1;GPATCH2L;SLIRP;C14orf166B;AHSA1;SPTLC2;RPL21P10	0.280533	2.642037	0.009006	0.237308
	-0.24344	-2.63846	0.009098	0.238009
ENSG00000248399;ENSG00000206113;SH3BP2;ENSG00000249428;NOP14;FAM86EP;ENSG00000243894	-0.28794	-2.63916	0.00908	0.237868
	0.171378	2.638162	0.009106	0.238069
	0.306398	2.642105	0.009005	0.237308
	0.246341	2.642004	0.009007	0.237308
	-0.25237	-2.64147	0.009021	0.237409
	0.235275	2.640109	0.009056	0.237726
	-0.13375	-2.63937	0.009075	0.23783
	0.307276	2.643803	0.008961	0.236916
AIF1L;LAMC3;AK8;C9orf171;C9orf9;ABL1	0.278622	2.642486	0.008995	0.237224

ADARB1;UBE2G2	-0.36517	-2.63998	0.009059	0.237726
	0.212612	2.640652	0.009042	0.237609
LPIN1;GREB1;HPCAL1	-0.73422	-2.64201	0.009007	0.237308
	0.362594	2.642509	0.008994	0.237223
	-0.48007	-2.6409	0.009035	0.237556
	0.27136	2.639186	0.009079	0.237867
CLEC14A;FOXA1	0.486401	2.641181	0.009028	0.237458
	0.127659	2.639749	0.009065	0.237758
	-0.29813	-2.64148	0.009021	0.237409
ACADM;SLC44A5	0.252653	2.643019	0.008981	0.237053
TMEM68;SDR16C5;SBF1P1;XKR4;LINC00968;ENSG00000236814	-0.37143	-2.64187	0.009011	0.237331
IFI35;MPP2;AOC3	-0.2935	-2.64026	0.009052	0.237723
	-0.21052	-2.63726	0.009129	0.238277
	0.285727	2.633845	0.009218	0.239056
	0.271007	2.641295	0.009025	0.237409
	-0.46032	-2.63855	0.009096	0.238009
ZDHC13;TSG101	-0.24822	-2.6402	0.009053	0.237723
	-0.29093	-2.63797	0.009111	0.238116
	0.299658	2.641718	0.009015	0.237346
HAND2-AS1;SCRG1	-0.34953	-2.64038	0.009049	0.237698
	0.34442	2.637819	0.009115	0.238119
HERC1;RAB8B;SNX1;TLN2;TPM1;ENSG00000166104	0.406178	2.640702	0.009041	0.237591
UACA;TLE3	-0.26793	-2.64109	0.009031	0.237475
	-0.1944	-2.63823	0.009104	0.238069
	-0.4787	-2.64021	0.009053	0.237723
DERL2	0.444205	2.641302	0.009025	0.237409
	-0.25456	-2.64128	0.009026	0.237409
PLEKHS1;ADRB1;AFAP1L2	-0.40663	-2.63817	0.009106	0.238069
RAB11FIP4	-0.37712	-2.63791	0.009112	0.238116
	0.241752	2.633226	0.009234	0.239141
ADCY4;GMPR2;DHRS4L2;DHRS4-AS1;SLC22A17	-0.27765	-2.64048	0.009046	0.237665
	0.285806	2.64023	0.009053	0.237723
	-0.26601	-2.63936	0.009075	0.23783
	-0.25055	-2.64061	0.009043	0.237625
ENSG00000224049	-0.28218	-2.63993	0.00906	0.237728
TMED11P	0.23596	2.639818	0.009063	0.237748
	0.179207	2.640202	0.009053	0.237723
BAIAP2L1;ZKSCAN1;BUD31;ZNF3;STAG3;KPNA7;CYP3A5	-0.27789	-2.64133	0.009024	0.237409
TNFRSF17;SHISA9	0.326782	2.639517	0.009071	0.237805
NOVA2;HIF3A;SNRPD2;EXOC3L2	0.212356	2.641579	0.009018	0.237409
	-0.38747	-2.63798	0.009111	0.238116
	-0.32433	-2.6392	0.009079	0.237867
NUP210	-0.22798	-2.63887	0.009088	0.237963
	-0.34368	-2.63843	0.009099	0.238013
C10orf128	0.328311	2.641775	0.009013	0.237341
ENSG00000269938	0.341195	2.639626	0.009068	0.237775

	-0.22064	-2.64087	0.009036	0.237556
	0.334246	2.639456	0.009073	0.23783
	0.205415	2.640392	0.009048	0.237698
	-0.23752	-2.6397	0.009066	0.237769
TBC1D10C	-0.29417	-2.64086	0.009036	0.237556
	0.315024	2.637353	0.009127	0.238243
RIN3;TC2N;C14orf142;SLC24A4;ENSG00000260711;NDUFB1;U NC79	-0.31312	-2.63768	0.009118	0.238143
SAMD8;VDAC2;C10orf11	-0.36542	-2.64132	0.009025	0.237409
SLC2A10	-0.30969	-2.64024	0.009052	0.237723
	-0.25999	-2.63576	0.009168	0.238836
	0.217646	2.63428	0.009206	0.239012
LY75;CD302	-0.41086	-2.63566	0.009171	0.238838
	0.299729	2.63974	0.009065	0.237758
VWF;ANO2	0.376494	2.637827	0.009114	0.238119
C6orf10;HSPA1A;SLC44A4;DHX16;HCP5;BAG6;HSPA1B;PPP1R1 8;DDR1;LTB;HLA-B;NELFE;PPP1R10	0.309634	2.640731	0.00904	0.237591
	-0.37757	-2.6386	0.009095	0.238009
C6orf132	0.431924	2.639738	0.009065	0.237758
	0.19983	2.638128	0.009107	0.23807
FRMD4A;FAM107B	-0.34542	-2.6361	0.009159	0.238695
	-0.37242	-2.63815	0.009106	0.238069
	0.219041	2.639067	0.009083	0.237913
TACR1;HK2;LOXL3;BOLA3;ACTG2;WDR54;SEMA4F;RTKN;MOGS ;DQX1;ENSG00000270571;DGUOK;ALMS1;MOB1A	0.270859	2.639982	0.009059	0.237726
	0.209648	2.640813	0.009038	0.237575
	-0.53783	-2.63953	0.009071	0.237805
SETP5	0.203298	2.640762	0.009039	0.237591
LINC00365;LINC00426	0.256202	2.637551	0.009122	0.238195
FAM83F;PDGFB;CBX7;MKL1;SLC25A17;GRAP2	-0.4533	-2.63701	0.009135	0.238379
	0.31437	2.638552	0.009096	0.238009
	-0.16784	-2.64054	0.009045	0.237654
	0.285307	2.639327	0.009076	0.23783
	0.138291	2.638852	0.009088	0.237963
	0.238433	2.637984	0.00911	0.238116
	0.28053	2.638784	0.00909	0.237963
	0.250568	2.634915	0.00919	0.238908
SCARB1;PITPNM2;FAM101A	0.319091	2.637001	0.009136	0.238379
	-0.29682	-2.64037	0.009049	0.237698
	0.370807	2.638182	0.009105	0.238069
	0.292259	2.639053	0.009083	0.237913
RNU4-1	-0.28625	-2.63869	0.009092	0.238009
TJP3;GIPC3;TNFAIP8L1	-0.43366	-2.6351	0.009185	0.238876
GLIS2	0.212233	2.636617	0.009146	0.238536
LIFR	-0.32683	-2.63964	0.009068	0.237775
CTNNA1	0.219618	2.639646	0.009068	0.237775
	0.188146	2.634672	0.009196	0.238948

EVI2B;EVI2A	-0.34761	-2.63986	0.009062	0.237731
EBF1;ENSG00000253811;ENSG00000253456	-0.43573	-2.63924	0.009078	0.237867
	0.294815	2.637428	0.009125	0.238217
	0.284081	2.639959	0.00906	0.237726
	-0.35776	-2.6389	0.009087	0.237963
COL22A1	0.207672	2.63865	0.009093	0.238009
	0.242805	2.639889	0.009061	0.237729
	0.32515	2.640908	0.009035	0.237556
	-0.32582	-2.63523	0.009182	0.238876
	0.134711	2.638511	0.009097	0.238009
UNC45B;ENSG00000267369	0.293355	2.637941	0.009112	0.238116
	-0.33906	-2.638	0.00911	0.238116
	0.143446	2.637413	0.009125	0.238217
	-0.40017	-2.63391	0.009216	0.239056
	0.343601	2.639405	0.009074	0.23783
	-0.19236	-2.63848	0.009098	0.238009
	0.309262	2.638221	0.009104	0.238069
	0.221293	2.63572	0.009169	0.238836
ZNHIT1;EPHB4	0.225898	2.63519	0.009183	0.238876
FAM83H-AS1;LY6H;MAPK15;RHPN1;ZNF623;TOP1MT	-0.30957	-2.63753	0.009122	0.238195
	0.269631	2.637888	0.009113	0.238116
	-0.21728	-2.63314	0.009236	0.239141
CYGB;MXRA7;ST6GALNAC2;SEC14L1;TMC8;TNRC6C;ST6GALNA C1	-0.23383	-2.63719	0.009131	0.238312
	-0.27262	-2.6361	0.009159	0.238695
CEP89	0.458427	2.639971	0.009059	0.237726
	0.291797	2.638807	0.009089	0.237963
PLCG2	-0.49388	-2.63879	0.00909	0.237963
	-0.24652	-2.63783	0.009114	0.238119
	0.289139	2.638539	0.009096	0.238009
GRASP;POU6F1;DAZAP2;ACVRL1;GALNT6;KRT7;ENSG00000257 246	0.264204	2.637138	0.009132	0.23833
	0.601993	2.638591	0.009095	0.238009
	0.278596	2.635116	0.009185	0.238876
	0.189715	2.635795	0.009167	0.238836
	0.315553	2.636176	0.009157	0.238689
	0.323378	2.639542	0.00907	0.237805
PLCG2;ENSG00000260682;CDYL2	-0.44907	-2.63691	0.009138	0.238395
COTL1;ENSG00000261471;ATP2C2	-0.47387	-2.63748	0.009123	0.238201
	0.244352	2.633825	0.009218	0.239056
	0.205385	2.636946	0.009137	0.238387
	-0.31279	-2.63769	0.009118	0.238143
	0.374979	2.637541	0.009122	0.238195
CEP55	0.351516	2.638802	0.009089	0.237963
MAPRE3;IFT172;RBKS;AGBL5;CCDC121;SUPT7L	-0.28127	-2.63632	0.009153	0.238636
HHIPL1;SLC25A29	-0.22324	-2.63575	0.009168	0.238836
	0.167859	2.637674	0.009118	0.238143

CAPG	0.192073	2.637709	0.009118	0.238143
	-0.32635	-2.63097	0.009293	0.239784
	-0.22363	-2.63492	0.00919	0.238908
KIF6	-0.23999	-2.63339	0.00923	0.239141
	-0.21128	-2.63533	0.009179	0.238876
	0.202492	2.636834	0.00914	0.238433
GPR55	-0.26874	-2.63627	0.009155	0.238653
	0.345831	2.635211	0.009182	0.238876
	-0.21751	-2.63475	0.009194	0.238948
H3F3A	0.234574	2.637512	0.009123	0.238195
DNMBP	-0.311	-2.63534	0.009179	0.238876
LINC00689	-0.4353	-2.63709	0.009134	0.23835
CCDC92	0.266977	2.635514	0.009174	0.238838
	0.165374	2.638161	0.009106	0.238069
	-0.22399	-2.63442	0.009203	0.238966
	-0.21816	-2.63557	0.009173	0.238838
	-0.29738	-2.63265	0.009249	0.239242
	0.247775	2.636431	0.009151	0.238618
C17orf62;WDR45B	0.26276	2.63656	0.009147	0.23856
	-0.17102	-2.63531	0.00918	0.238876
	0.295475	2.637321	0.009128	0.23825
PDCD6;TRIP13;TPPP	0.172366	2.636947	0.009137	0.238387
	0.294529	2.634754	0.009194	0.238948
	0.185993	2.633804	0.009219	0.239056
	0.228268	2.632112	0.009263	0.239491
	0.311929	2.636483	0.009149	0.238598
	0.255349	2.638557	0.009096	0.238009
PDGFRA;LNK1	0.385791	2.638222	0.009104	0.238069
	0.318827	2.633944	0.009215	0.239056
	0.284161	2.636407	0.009151	0.23862
	-0.40773	-2.634	0.009214	0.239056
	-0.3982	-2.63332	0.009231	0.239141
	0.253078	2.631981	0.009266	0.239507
TFB2M;SCCPDH	-0.25789	-2.63485	0.009192	0.23893
	0.22992	2.634512	0.0092	0.238958
	0.226558	2.635462	0.009176	0.238838
MBOAT2	-0.24192	-2.63547	0.009176	0.238838
	0.215038	2.634567	0.009199	0.238958
	-0.25641	-2.63503	0.009187	0.238898
FGD3	0.365558	2.634008	0.009213	0.239056
	0.250589	2.633705	0.009221	0.239079
DEGS2;MEG3;EML1	ARHGEF25;ENSG00000224713;PTGES3;BAZ2A;GLI1;ENSG0000			
	0257698;LRP1;B4GALNT1;NAB2	0.231681	2.63473	0.009195
		-0.24569	-2.63544	0.009176
PRR18		-0.17405	-2.6346	0.009198
		0.256254	2.636121	0.009159
		0.208254	2.633848	0.009218
MLLT4;THBS2;SMOC2				0.238948
ARHGEF25;ENSG00000224713;PTGES3;BAZ2A;GLI1;ENSG0000				0.238838
				0.238958
				0.238695
SLC43A2;PITPNA;INPP5K;HIC1				0.239056

POLR1C;PEX6;HSP90AB1;RPL7L1;RSPH9;TCTE1;CNPY3	-0.3554	-2.63453	0.0092	0.238958
	0.144086	2.630691	0.0093	0.239851
COL9A2	-0.58858	-2.63205	0.009265	0.239491
	0.24075	2.633988	0.009214	0.239056
ENSG00000260121;SPATA33	-0.30794	-2.63513	0.009184	0.238876
	0.320716	2.636672	0.009144	0.238514
	0.202815	2.634031	0.009213	0.239056
ADAMTS10	0.322584	2.636346	0.009153	0.238636
	0.327604	2.632878	0.009243	0.23916
MNAT1;SIX4;PCNXL4;SIX1;SLC38A6;PRKCH;SNAPC1;TMEM30B	-0.4082	-2.63589	0.009165	0.238822
ENSG00000262877;TMEM105	0.292665	2.634686	0.009196	0.238948
	0.220089	2.636324	0.009153	0.238636
SFT2D1	0.339092	2.63556	0.009173	0.238838
	0.14294	2.635469	0.009175	0.238838
	-0.20056	-2.63144	0.009281	0.239685
	-0.28832	-2.63456	0.009199	0.238958
	0.190626	2.634569	0.009199	0.238958
	0.24863	2.635493	0.009175	0.238838
	-0.23267	-2.63499	0.009188	0.238908
	-0.29218	-2.63387	0.009217	0.239056
	0.156756	2.633777	0.009219	0.239059
RPL7P23	0.188361	2.634696	0.009196	0.238948
CCHCR1;PPP1R10;HLA-F;PPP1R18;HCP5;HLA-E;LTB	0.335071	2.634404	0.009203	0.238966
	0.193525	2.635506	0.009175	0.238838
	-0.207	-2.63062	0.009302	0.239851
FLT4;CNOT6;ENSG00000260841;MGAT1;RNF130	0.353183	2.635726	0.009169	0.238836
	-0.22222	-2.63002	0.009318	0.239977
	0.339781	2.633062	0.009238	0.239154
	-0.32094	-2.63546	0.009176	0.238838
	0.249224	2.636222	0.009156	0.238672
KIF21B	0.172539	2.634261	0.009207	0.239012
	0.304157	2.63551	0.009174	0.238838
	-0.20162	-2.63509	0.009185	0.238876
	0.258156	2.63508	0.009186	0.238876
DNM1P47;ENSG00000259658;CHSY1	-0.37386	-2.631	0.009292	0.239779
NAA60	0.207596	2.63577	0.009168	0.238836
	0.204767	2.63208	0.009264	0.239491
TPPP;ZDHHC11B	0.344373	2.632964	0.009241	0.239154
	-0.3987	-2.63478	0.009193	0.238948
	0.328907	2.634213	0.009208	0.239012
	0.170969	2.633248	0.009233	0.239141
	-0.26524	-2.63451	0.0092	0.238958
	-0.28036	-2.63346	0.009228	0.239132
	-0.28459	-2.6367	0.009144	0.238508
ENSG00000272072	-0.31169	-2.63276	0.009246	0.239194
	0.330263	2.633916	0.009216	0.239056

	-0.33359	-2.63442	0.009203	0.238966
CACNA1C-AS4;NRIP2	0.254192	2.63294	0.009241	0.239154
S100A2;S100A16;S100A14;S100A3	-0.29778	-2.62569	0.009432	0.240999
LINC00338	-0.23271	-2.63492	0.00919	0.238908
HS3ST6;ECI1;PRSS22;IL32	-0.40935	-2.6358	0.009167	0.238836
ARHGEF28	0.35135	2.635184	0.009183	0.238876
	0.141854	2.633756	0.00922	0.239059
IYD;LRP11;RAET1E;PPP1R14C	-0.38386	-2.63367	0.009222	0.239079
HIST1H3A	0.292015	2.633948	0.009215	0.239056
POLD3;PPME1;MRPL48;C2CD3;KCNE3;DNAJB13;PGM2L1;UCP2	0.254241	2.631349	0.009283	0.239693
	-0.36526	-2.62921	0.009339	0.240034
NLRC5;GPR114;MT1E	-0.29387	-2.63556	0.009173	0.238838
OLFML3	0.288608	2.635107	0.009185	0.238876
	0.238566	2.631636	0.009275	0.239639
	-0.24288	-2.6309	0.009295	0.239817
	0.221597	2.627168	0.009393	0.240516
	0.314226	2.629317	0.009336	0.240028
	0.329277	2.634218	0.009208	0.239012
	0.345479	2.633182	0.009235	0.239141
	-0.36338	-2.63037	0.009309	0.239935
DUOXA1;TP53BP1;DUOX1;FRMD5	-0.39737	-2.63254	0.009252	0.239303
TMC8;C1QTNF1;CBX2;TMC6;USP36;TIMP2	0.400247	2.634435	0.009202	0.238966
	0.234912	2.633633	0.009223	0.239079
	-0.19272	-2.63182	0.009271	0.239574
	-0.21874	-2.63439	0.009204	0.238966
ARAP1;ATG16L2;MRPL48;RELT;PDE2A;COA4	-0.27995	-2.6349	0.00919	0.238908
	-0.31556	-2.63387	0.009217	0.239056
	-0.32557	-2.63364	0.009223	0.239079
	-0.19396	-2.63247	0.009254	0.239333
	-0.40079	-2.62994	0.00932	0.23998
DNM1P46;ENSG00000259363;SYNM;TTC23;ENSG0000026161				
6	-0.40798	-2.63391	0.009216	0.239056
KLHDC7A;AKR7A2;ARHGEF10L	0.343141	2.630381	0.009308	0.239935
	0.204931	2.634236	0.009208	0.239012
	-0.36827	-2.63127	0.009285	0.239693
	-0.19601	-2.62973	0.009325	0.23998
	-0.29715	-2.63291	0.009242	0.239155
GPR133;RAN;ULK1	-0.46349	-2.63294	0.009241	0.239154
	-0.34952	-2.63352	0.009226	0.239105
CEP170B;CRIP2	-0.29572	-2.6314	0.009282	0.239686
	0.302699	2.633146	0.009236	0.239141
	0.273376	2.631998	0.009266	0.239507
	-0.27157	-2.63296	0.009241	0.239154
MYH9;IFT27;LGALS1;ANKRD54;CDC42EP1	-0.18262	-2.63158	0.009277	0.239646
	0.1173	2.633402	0.009229	0.239141
	0.326464	2.633256	0.009233	0.239141



CDHR3;EFCAB10	-0.32346	-2.63206	0.009264	0.239491
APBB2;RBM47;LIMCH1	0.224646	2.633208	0.009234	0.239141
TNXB;SLC44A4;NOTCH4;CLIC1;NELFE;C6orf25;C6orf10;DDAH2; PSMB8;BAG6;VWA7;FKBPL PNMAL2	-0.28474	-2.63022	0.009313	0.239967
	0.206432	2.633599	0.009224	0.239079
	-0.19578	-2.63116	0.009288	0.239711
	-0.19773	-2.63332	0.009231	0.239141
LRRC71;HDGF;SYT11;NES;MEX3A;IQGAP3	-0.31655	-2.63316	0.009236	0.239141
	0.146273	2.63284	0.009244	0.23917
	-0.22706	-2.63293	0.009242	0.239154
	0.35232	2.635088	0.009185	0.238876
	-0.2398	-2.63124	0.009286	0.239693
MAATS1	-0.40087	-2.63166	0.009275	0.239639
	-0.19068	-2.63362	0.009224	0.239079
PRPSAP1	-0.31001	-2.63194	0.009268	0.239522
	-0.24993	-2.63059	0.009303	0.239855
	-0.2107	-2.6296	0.009329	0.23998
	-0.31112	-2.63267	0.009248	0.239242
	-0.25734	-2.63304	0.009239	0.239154
	-0.30615	-2.6314	0.009282	0.239686
	0.422193	2.629983	0.009319	0.239977
PIK3R5	-0.15879	-2.62907	0.009343	0.240055
ZFP90;PSMB10;CDH1;HAS3;NIP7;SLC12A4;NFATC3 S100PBP	-0.46271	-2.63127	0.009285	0.239693
	-0.31507	-2.63325	0.009233	0.239141
C2orf54	0.311285	2.633174	0.009235	0.239141
ENSG00000259363	-0.28222	-2.63207	0.009264	0.239491
PIGU	0.22233	2.63108	0.00929	0.239741
	-0.14969	-2.62988	0.009322	0.23998
	-0.23765	-2.63	0.009319	0.239977
	-0.23821	-2.63293	0.009242	0.239154
	0.273996	2.630639	0.009302	0.239851
	-0.26971	-2.63064	0.009302	0.239851
CASP3;PDLIM3;IRF2	0.323451	2.63356	0.009225	0.239091
	0.204689	2.631598	0.009276	0.239646
	-0.31387	-2.6302	0.009313	0.239967
	-0.2814	-2.63282	0.009244	0.23917
	0.197523	2.629312	0.009337	0.240028
	0.306437	2.62943	0.009333	0.240028
CSRP1;LMOD1;NR5A2;C1orf106;IPO9;NAV1	-0.2686	-2.62818	0.009366	0.240279
CLIP1;RNF10	-0.24252	-2.63399	0.009214	0.239056
LGALS9	-0.269	-2.63149	0.009279	0.239684
	-0.37148	-2.62897	0.009345	0.24008
VAMP8;DNAH6	-0.51385	-2.63082	0.009297	0.239851
	-0.43029	-2.62972	0.009326	0.23998
	0.270588	2.632119	0.009263	0.239491
CLEC10A;BCL6B;ACAP1	-0.42783	-2.63021	0.009313	0.239967
LAP3	-0.25275	-2.6307	0.0093	0.239851

PDCD6;TRIP13;TPPP;LPCAT1;ENSG00000188242;MRPL36	-0.50673	-2.62886	0.009349	0.24008
	-0.20904	-2.63063	0.009302	0.239851
	0.212551	2.630148	0.009315	0.239967
	-0.22563	-2.62857	0.009356	0.240161
HLA-DQB1	0.170814	2.63117	0.009288	0.239711
LILRA1;LILRB1;LILRB2	-0.33219	-2.62622	0.009419	0.240831
	-0.79265	-2.622	0.009531	0.241862
	-0.27315	-2.62887	0.009348	0.24008
	0.276296	2.631639	0.009275	0.239639
LRCH3	-0.17067	-2.62526	0.009444	0.241147
DYRK3;CR1;PIGR;CR1L	-0.31518	-2.62794	0.009373	0.24034
	-0.5102	-2.63132	0.009284	0.239693
	0.256794	2.629122	0.009342	0.240052
	0.321375	2.628142	0.009367	0.240287
	-0.57304	-2.63147	0.00928	0.239684
WDR63;MCOLN3	0.265351	2.63037	0.009309	0.239935
	0.370974	2.631236	0.009286	0.239693
TPPP;ZDHC11B	0.327919	2.628846	0.009349	0.24008
FLI1;ARHGAP32;TMEM45B;TP53AIP1;ETS1;SENCR	-0.33787	-2.63057	0.009304	0.239857
	0.291118	2.63016	0.009314	0.239967
ENSG00000231980	0.2635	2.630183	0.009314	0.239967
LDLRAD1;TCEANC2;TMEM59;ENSG00000197015;TTC22;DHCR2				
4;SSBP3;C1orf177;ENSG00000237611	-0.40631	-2.63205	0.009265	0.239491
ZDHC13	0.291535	2.630251	0.009312	0.239967
MATN3	-0.2528	-2.62964	0.009328	0.23998
LGALS1;IL2RB;NPTXR;MFNG;CBX7	-0.37067	-2.62937	0.009335	0.240028
	-0.26437	-2.63125	0.009286	0.239693
	-0.24216	-2.63172	0.009273	0.239625
SFMBT2;ITIH5	-0.38946	-2.62524	0.009445	0.24115
	0.249849	2.627801	0.009376	0.240407
SLC30A4;DUOXA1	0.395548	2.629673	0.009327	0.23998
	0.209106	2.632235	0.00926	0.239465
	-0.22126	-2.62932	0.009336	0.240028
PIK3C2B;LAX1;MDM4	0.252236	2.63311	0.009237	0.239149
TRANK1	0.260719	2.630048	0.009317	0.239977
	0.187222	2.631145	0.009288	0.239711
	-0.34888	-2.62954	0.009331	0.23999
RARB	0.361977	2.632435	0.009255	0.239344
AQP4;SS18	-0.27536	-2.62964	0.009328	0.23998
	0.290237	2.630721	0.009299	0.239851
	0.234074	2.628762	0.009351	0.240083
	0.201455	2.629249	0.009338	0.240034
	-0.30307	-2.63019	0.009313	0.239967
	-0.18731	-2.62961	0.009329	0.23998
SCARF1;MYO1C;NXN;PITPNA;FAM101B;YWHAE;ENSG0000026				
2003;SLC43A2	0.365771	2.62972	0.009326	0.23998
	-0.35455	-2.62828	0.009364	0.240263

TPCN2;ANO1;MRGPRF;CTTN;IGHMBP2	-0.46311	-2.62729	0.00939	0.240478
	-0.25182	-2.62803	0.009371	0.240308
	-0.35319	-2.62879	0.00935	0.240083
	-0.18569	-2.63075	0.009299	0.239851
CELSR1;CERK;WNT7B;ENSG00000234869;RIBC2	0.409241	2.630653	0.009301	0.239851
	-0.28781	-2.63005	0.009317	0.239977
	0.168183	2.629276	0.009338	0.240034
MRVI1;ZBED5;EIF4G2	-0.45509	-2.62459	0.009462	0.241347
	0.221019	2.626796	0.009403	0.24063
SYNRG;PLXDC1	0.281831	2.628957	0.009346	0.24008
C14orf2	0.304379	2.631863	0.00927	0.239558
	0.240765	2.630809	0.009297	0.239851
SCARB1	0.277733	2.630029	0.009318	0.239977
	0.174389	2.626527	0.00941	0.240735
RHOJ;HSPA2;ENSG00000272909	0.294054	2.627628	0.009381	0.240434
	0.264426	2.628328	0.009363	0.240263
	0.965269	2.630366	0.009309	0.239935
	0.173219	2.629378	0.009335	0.240028
	0.400505	2.629595	0.009329	0.23998
JAM3	-0.39142	-2.63146	0.00928	0.239684
	-0.39882	-2.62885	0.009349	0.24008
	0.315528	2.624764	0.009457	0.24131
	0.256913	2.627233	0.009392	0.2405
	-0.32268	-2.62805	0.00937	0.240308
SPG11;B2M;SHF	0.306134	2.629768	0.009325	0.23998
	-0.45102	-2.6294	0.009334	0.240028
FKBP10;GHDC;CNTNAP1	0.272091	2.629197	0.00934	0.240034
	-0.29164	-2.62938	0.009335	0.240028
	0.243972	2.627781	0.009377	0.240407
	0.395457	2.629918	0.009321	0.23998
	-0.28934	-2.62473	0.009458	0.24131
ENSG00000226791;INPP4A;CNGA3;ATP5BP1	-0.32581	-2.62913	0.009341	0.240052
	0.230603	2.628627	0.009355	0.240146
	-0.18409	-2.62804	0.00937	0.240308
	0.184393	2.62682	0.009402	0.24063
ANPEP	-0.3216	-2.62894	0.009346	0.24008
PARK7;ENO1;RPL7P11	0.410247	2.630116	0.009315	0.239974
MFNG;LGALS1;SOX10;CBX7;SUN2;CARD10	-0.35568	-2.62766	0.00938	0.240431
	0.294482	2.6265	0.009411	0.240739
	-0.22596	-2.62904	0.009344	0.240055
PAR6B;DPM1	-0.34037	-2.62905	0.009344	0.240055
	-0.35531	-2.62911	0.009342	0.240052
GGT5	-0.29766	-2.62805	0.00937	0.240308
LACE1;ARMC2	0.193935	2.628335	0.009362	0.240263
	-0.35539	-2.62693	0.0094	0.240609
ENSG00000237478;AGBL4;ENSG00000235105;PPP1R8P1;ENS G00000272491	0.223868	2.628541	0.009357	0.240161

	0.228167	2.629629	0.009328	0.23998
	0.28768	2.625715	0.009432	0.240999
	0.289619	2.627313	0.009389	0.240478
	0.305011	2.626827	0.009402	0.24063
	0.244654	2.625141	0.009447	0.241202
	-0.29806	-2.62979	0.009324	0.23998
	0.344925	2.629833	0.009323	0.23998
	0.233315	2.629223	0.009339	0.240034
HES2;ICMT;CHD5;CAMTA1;THAP3;ESPN	-0.49597	-2.62741	0.009387	0.240455
	0.383521	2.625458	0.009439	0.241116
	0.29423	2.628309	0.009363	0.240263
	0.188167	2.628204	0.009366	0.240279
GPR133	0.345737	2.62883	0.009349	0.24008
	-0.27213	-2.6242	0.009472	0.241449
ANXA2P2;UNC13B;STOML2;DCTN3;VCP;FAM219A	-0.26137	-2.62542	0.00944	0.241119
RASAL3;DNAJB1	-0.45723	-2.6272	0.009392	0.240511
	-0.39675	-2.62259	0.009515	0.241756
	-0.31885	-2.62641	0.009413	0.240741
	0.210026	2.627322	0.009389	0.240478
	0.409855	2.628656	0.009354	0.24014
	0.280233	2.625356	0.009441	0.241119
	0.291366	2.628762	0.009351	0.240083
	0.360233	2.629622	0.009328	0.23998
	0.258483	2.628304	0.009363	0.240263
	0.164989	2.627494	0.009385	0.240451
	0.246832	2.62705	0.009396	0.240567
	0.277575	2.629573	0.00933	0.239981
SMARCD3;CHPF2	0.206663	2.626788	0.009403	0.24063
	-0.17346	-2.62759	0.009382	0.240443
	0.224101	2.626377	0.009414	0.240751
IL18R1;ENSG00000271532	0.214641	2.625661	0.009433	0.241007
ARHGEF10	0.193439	2.622111	0.009528	0.24185
	-0.42746	-2.62795	0.009373	0.24034
	0.281916	2.626701	0.009406	0.24066
	-0.21385	-2.62666	0.009407	0.240674
	0.204679	2.623608	0.009488	0.241606
ECHS1;ADAM8	0.298607	2.624185	0.009473	0.241449
	-0.24187	-2.62771	0.009379	0.240422
TRAC	0.417906	2.627754	0.009378	0.240407
	-0.30349	-2.62973	0.009325	0.23998
	0.239897	2.6275	0.009384	0.240451
	0.272947	2.624811	0.009456	0.241297
	-0.35026	-2.62743	0.009386	0.240455
HLA-DMB;TAP1;HLA-DOA;HLA-B;HLA-DQB2;HLA-DRA;HLA-DMA;HCP5;PSMB9;HLA-C;PSMB8	0.307626	2.624289	0.00947	0.241449
	0.166403	2.626763	0.009404	0.240633
TSPY26P	-0.37943	-2.62856	0.009356	0.240161

SEC11C;ZNF532;NEDD4L;ATP8B1;NARS	-0.30492	-2.62313	0.009501	0.241681
	-0.23379	-2.62578	0.00943	0.240993
KRTCAP3;KHK	-0.37649	-2.62748	0.009385	0.240451
FBLN2;FGD5;ZFYVE20;GRIP2	-0.22577	-2.62065	0.009568	0.242259
LSP1	-0.19125	-2.62741	0.009387	0.240455
CYBA;SNAI3	-0.24985	-2.62818	0.009367	0.240279
	-0.55138	-2.62688	0.009401	0.240624
	0.172093	2.627654	0.00938	0.240431
	0.255438	2.627063	0.009396	0.240567
	0.218989	2.626597	0.009408	0.240702
	-0.24764	-2.62249	0.009518	0.241756
BCL6B;ARHGEF15;CLDN7;ATP1B2;CTC1	-0.23547	-2.62548	0.009438	0.241114
	0.362923	2.627573	0.009383	0.240443
	-0.27427	-2.62696	0.009399	0.240597
	-0.19597	-2.62589	0.009427	0.24094
	0.254078	2.628181	0.009366	0.240279
	0.146637	2.621812	0.009536	0.241886
ENSG00000264527;SNAPC4;PPP1R26-AS1	-0.26548	-2.61994	0.009587	0.242391
	-0.29838	-2.62751	0.009384	0.240451
MRPL42;SOCS2;SOCS2-AS1;FGD6;UBE2N;NUDT4;CCDC41	-0.43277	-2.62424	0.009471	0.241449
	0.303954	2.62364	0.009487	0.241606
	0.208743	2.622461	0.009519	0.241756
	0.28967	2.623127	0.009501	0.241681
	0.171936	2.623695	0.009486	0.241596
	0.240668	2.626137	0.009421	0.240843
	-0.38147	-2.62407	0.009476	0.241472
SUN1;PSMG3	-0.54365	-2.62643	0.009413	0.240741
SYNRG	-0.34902	-2.62321	0.009499	0.241654
STK10;DUSP1;BNIP1	0.339002	2.627005	0.009398	0.240583
	0.21173	2.625349	0.009442	0.241119
	0.208539	2.6224	0.00952	0.241756
ENSG00000214784	-0.32447	-2.62504	0.00945	0.241236
SIT1;RMRP	-0.1813	-2.62192	0.009533	0.241864
SORBS2;CCDC110;LRP2BP;C4orf47;ENSG00000233110	-0.27631	-2.62533	0.009442	0.241119
	0.319834	2.622662	0.009513	0.241739
	0.219766	2.627774	0.009377	0.240407
	-0.15353	-2.62641	0.009413	0.240741
	-0.33692	-2.62354	0.00949	0.241606
STX18;SH3BP2	-0.46935	-2.62337	0.009494	0.241625
	-0.36809	-2.62402	0.009477	0.241474
NDUFB3	0.321445	2.623544	0.00949	0.241606
	0.305281	2.62603	0.009423	0.240885
	0.299716	2.625969	0.009425	0.240913
	0.305728	2.623308	0.009496	0.241625
	0.281117	2.621732	0.009538	0.241898
	-0.22464	-2.62611	0.009421	0.240844

HCN4;CCDC33;BBS4;LOXL1;SEMA7A;PML;CYP11A1	-0.36135	-2.62372	0.009485	0.241595
	-0.28565	-2.62251	0.009517	0.241756
	0.338967	2.626135	0.009421	0.240843
	-0.22957	-2.62648	0.009412	0.240741
	-0.2428	-2.62577	0.00943	0.240993
	0.304322	2.626346	0.009415	0.240757
	-0.16073	-2.62456	0.009463	0.241354
	0.33107	2.624839	0.009455	0.241292
	-0.24606	-2.62453	0.009464	0.241356
	-0.28173	-2.62333	0.009495	0.241625
OARD1	-0.24148	-2.61363	0.009758	0.244061
	0.259145	2.624728	0.009458	0.24131
	0.164049	2.624627	0.009461	0.241347
	-0.33162	-2.62413	0.009474	0.24146
	0.287519	2.627287	0.00939	0.240478
	0.17448	2.618689	0.00962	0.24277
	-0.25194	-2.62488	0.009454	0.241277
HLA-DMA;HLA-DOA;HLA-DMB;TAP2;TAP1;HLA-DPA1;HLA-DPB1;PSMB9;HLA-DRA;HLA-DOB;TAPSAR1;GPSM3 DPY19L2;RPL14P1	0.266369	2.624374	0.009468	0.241407
	-0.17957	-2.62398	0.009478	0.241474
	-0.1912	-2.61867	0.009621	0.24277
	-0.34836	-2.62206	0.00953	0.24185
PDCD6;LPCAT1;TPPP;TRIP13;NKD2;ENSG00000188002	-0.20212	-2.62359	0.009489	0.241606
	0.273846	2.623376	0.009494	0.241625
	0.405776	2.624984	0.009451	0.241236
	-0.27499	-2.62342	0.009493	0.241625
	-0.27317	-2.62327	0.009497	0.241625
CXCL12	0.323388	2.62449	0.009464	0.241356
	0.312702	2.623538	0.00949	0.241606
	0.254602	2.623385	0.009494	0.241625
	-0.28032	-2.62419	0.009472	0.241449
IFT20;KIAA0100;ENSG00000264469	-0.15591	-2.62535	0.009441	0.241119
	-0.38778	-2.61942	0.009601	0.24249
ENSG00000272686	0.203064	2.624589	0.009462	0.241347
	0.197268	2.621336	0.009549	0.242068
	0.21711	2.619057	0.009611	0.242574
	0.216294	2.623297	0.009496	0.241625
EMR3	-0.24058	-2.62279	0.00951	0.241724
	0.30802	2.620509	0.009571	0.242282
	-0.23537	-2.62295	0.009506	0.241703
ENSG00000233836	0.22547	2.626182	0.009419	0.24084
	-0.25781	-2.62299	0.009505	0.241703
	0.238381	2.62261	0.009515	0.241756
TRIM27;GABBR1;PGBD1;ZNF165;HLA-F-AS1;ZKSCAN8	-0.31655	-2.62446	0.009465	0.241364
	0.316843	2.624106	0.009475	0.24146

TSGA10;KIAA1211L;ENSG00000231822;ENSG00000273045	-0.32819	-2.62425	0.009471	0.241449
	0.302616	2.62451	0.009464	0.241356
	-0.35489	-2.62464	0.00946	0.241347
	-0.17452	-2.62295	0.009506	0.241703
	-0.36399	-2.62503	0.00945	0.241236
TMEM255B;CDC16;ADPRHL1 NDRG1;WISP1;TG	-0.65982	-2.62533	0.009442	0.241119
	-0.31566	-2.62489	0.009454	0.241277
	-0.25929	-2.62398	0.009478	0.241474
ZNF471	0.27715	2.622184	0.009526	0.241834
	-0.18062	-2.62043	0.009573	0.242282
CALHM2;USMG5;NT5C2;LDB1;KCNIP2;MGEA5;FBXW4;DPCD;A RL3;SUFU;ENSG00000269609	-0.37685	-2.62411	0.009475	0.24146
	-0.30549	-2.62394	0.009479	0.241483
	0.200249	2.624988	0.009451	0.241236
NXPH3;COL1A1;SGCA	0.13213	2.624026	0.009477	0.241474
	0.152331	2.621862	0.009535	0.241867
	-0.53494	-2.62571	0.009432	0.240999
KANK4;INADL CLCC1	-0.34887	-2.62278	0.00951	0.241724
	-0.15697	-2.62207	0.009529	0.24185
	0.182557	2.61974	0.009592	0.242411
CBFA2T2;SNTA1;BPIFB1	-0.33389	-2.62223	0.009525	0.241829
	0.244452	2.622812	0.009509	0.241724
	0.290758	2.620926	0.00956	0.242175
AP1M2;ZNF440;SMARCA4	0.264711	2.62078	0.009564	0.242203
	-0.35777	-2.62499	0.009451	0.241236
FAM229B;ENSG00000226440;LAMA4;ENSG00000271208;ENS G00000237234;ENSG00000270661;KIAA1919	-0.27227	-2.61716	0.009662	0.243149
	0.335431	2.623532	0.00949	0.241606
	-0.40749	-2.62236	0.009521	0.241756
	-0.34744	-2.6212	0.009553	0.242076
	0.283697	2.622061	0.00953	0.24185
	0.313647	2.621915	0.009533	0.241864
	0.145811	2.621302	0.00955	0.242076
	-0.36912	-2.61707	0.009664	0.243149
LIMS2;GPR17;MYO7B	0.221248	2.625922	0.009426	0.24093
	0.272714	2.621896	0.009534	0.241864
	0.235509	2.623004	0.009504	0.241703
NEURL1B	0.233334	2.622768	0.009511	0.241724
	-0.39258	-2.61363	0.009759	0.244061
	-0.49352	-2.622	0.009531	0.241862
	-0.18035	-2.61978	0.009591	0.242411
	-0.23648	-2.62246	0.009519	0.241756
	0.281489	2.621354	0.009549	0.242068
	0.239095	2.623009	0.009504	0.241703
	-0.40759	-2.62392	0.00948	0.241484
THEMIS2	0.246713	2.621972	0.009532	0.241864

	0.196946	2.621772	0.009537	0.241886
HIF3A;NOVA2;DACT3;MEIS3;PNMAL2;PRR24;FOXA3;DMPK;PT GIR	0.315952	2.622557	0.009516	0.241756
	0.16461	2.623295	0.009496	0.241625
	0.13186	2.622843	0.009509	0.241724
	0.317708	2.622842	0.009509	0.241724
ENSG00000272054	-0.37969	-2.6224	0.00952	0.241756
RPL27	-0.23372	-2.6205	0.009572	0.242282
	-0.32627	-2.62189	0.009534	0.241864
	-0.35227	-2.6196	0.009596	0.242463
	-0.47866	-2.62342	0.009493	0.241625
	-0.22435	-2.62269	0.009513	0.241739
	0.228955	2.619491	0.009599	0.242481
	0.233592	2.623848	0.009482	0.24152
	0.376981	2.620186	0.00958	0.242359
	0.319122	2.621265	0.009551	0.242076
HSP90AA1;CKB;ENSG00000259508;ENSG00000270108;EIF5;EN SG00000246451	-0.30986	-2.62243	0.00952	0.241756
	0.336156	2.622671	0.009513	0.241739
LPCAT1;PDCD6;TRIP13	-0.36825	-2.62032	0.009576	0.242314
	0.335678	2.623289	0.009497	0.241625
ENSG00000271553	0.162276	2.6215	0.009545	0.242
	0.215736	2.62296	0.009505	0.241703
	0.294622	2.619482	0.009599	0.242481
	-0.21787	-2.62114	0.009554	0.242085
CCDC19;CADM3;IFI16;DARC;ENSG00000225670;ATP1A2;PEA1 5;PEX19;VANG2;NCSTN;IGSF9;AIM2	-0.39761	-2.62051	0.009571	0.242282
	0.219978	2.61999	0.009585	0.242384
C17orf62;WDR45B;MAFG-AS1;BAIAP2-AS1;PCYT2	0.311746	2.621376	0.009548	0.242068
	-0.30987	-2.62255	0.009516	0.241756
SDK2	-0.34219	-2.62039	0.009574	0.242297
	-0.25983	-2.62018	0.00958	0.242359
	-0.39284	-2.621	0.009558	0.242141
	0.2041	2.62164	0.009541	0.241933
	0.147162	2.619809	0.00959	0.242411
SIRPA;CPXM1	0.399122	2.620083	0.009583	0.242364
ENSG00000188242;PDCD6;SDHA	0.26457	2.622897	0.009507	0.241722
	-0.21143	-2.61889	0.009615	0.242665
	0.398158	2.619505	0.009598	0.242481
	0.182688	2.62009	0.009583	0.242364
	0.240818	2.620545	0.00957	0.242282
	0.203756	2.618246	0.009633	0.242902
	0.308121	2.623062	0.009503	0.241703
PTGDS;LCNL1;UAP1L1;RNF224;TUBB4B;SLC34A3;C9orf169	0.338881	2.62079	0.009564	0.242203
	0.20052	2.617805	0.009644	0.242945
	0.223985	2.620111	0.009582	0.242364



	0.296392	2.621207	0.009553	0.242076
	0.263837	2.620834	0.009563	0.242203
RASA4;POLR2J;PMPCB	-0.25272	-2.62044	0.009573	0.242282
	0.303843	2.62178	0.009537	0.241886
	0.306042	2.61958	0.009596	0.242463
SH3YL1	-0.24535	-2.62078	0.009564	0.242203
DENND3	-0.50692	-2.62102	0.009558	0.242141
MICE	-0.18408	-2.62221	0.009526	0.241834
	0.20427	2.614258	0.009741	0.243991
	-0.3228	-2.62117	0.009553	0.24208
	0.371038	2.622703	0.009512	0.241739
TNIK	0.225569	2.61921	0.009606	0.242515
	0.349556	2.61788	0.009642	0.242934
KIAA1211L;ZAP70;TSGA10;TXNDC9	-0.52084	-2.61939	0.009601	0.242492
VDAC3	0.204069	2.618167	0.009635	0.242928
	0.244814	2.615469	0.009708	0.243614
IQCA1	-0.33328	-2.62084	0.009562	0.242203
	0.294217	2.617911	0.009642	0.242934
NRXN2;PYGM;HRASLS2	-0.26065	-2.61988	0.009588	0.242402
NEK5;THSD1	-0.31733	-2.61841	0.009628	0.242846
UNC93B1;ALDH3B1;FAM86C2P;ENSG00000255306;PITPNM1;R				
BM14;GSTP1;ENSG00000254610;AIP;CCS	-0.37285	-2.62005	0.009584	0.24237
	0.278338	2.617672	0.009648	0.243008
CLUAP1;ENSG00000272079;CLDN9;TNFRSF12A	-0.29969	-2.61733	0.009657	0.243116
	-0.33444	-2.62064	0.009568	0.242259
	-0.17252	-2.61921	0.009606	0.242515
	0.283083	2.62212	0.009528	0.24185
	-0.44092	-2.61941	0.009601	0.24249
FAM179A;ENSG00000226833	-0.24751	-2.61977	0.009591	0.242411
MEAF6;MTF1;ENSG00000224592;YRDC	-0.33208	-2.61904	0.009611	0.242574
	-0.30274	-2.62105	0.009557	0.242132
	0.255639	2.621583	0.009542	0.241957
	-0.27118	-2.62073	0.009565	0.242221
	-0.28271	-2.618	0.009639	0.242934
RQCD1;SPEG;STK11IP;STK16;GLB1L;TTLL4;ZNF142	-0.23176	-2.61737	0.009656	0.243103
	0.221001	2.622371	0.009521	0.241756
CSF1;KCND3	-0.34941	-2.62055	0.00957	0.242282
	-0.22773	-2.61566	0.009703	0.243581
SFT2D1	-0.30704	-2.62165	0.009541	0.241933
	-0.31747	-2.6181	0.009636	0.242934
ENSG00000259732	0.230745	2.616511	0.00968	0.243287
	-0.31672	-2.61994	0.009587	0.242391
	-0.48666	-2.61922	0.009606	0.242515
	0.220129	2.621213	0.009552	0.242076
	-0.201	-2.61791	0.009642	0.242934
TSPAN32	-0.33437	-2.62002	0.009585	0.242379
PHOSPHO1	0.18179	2.615753	0.0097	0.243561

ENSG00000253671	-0.15748	-2.61738	0.009656	0.243103
NOS3;ATG9B;WDR86-AS1;LINC01003;CDK5	-0.33516	-2.61834	0.00963	0.242869
	-0.25975	-2.6156	0.009704	0.243584
TDRP	0.318862	2.62126	0.009551	0.242076
	0.297488	2.61853	0.009625	0.242821
RNF166	0.281083	2.619811	0.00959	0.242411
	0.279375	2.617926	0.009641	0.242934
	0.314735	2.618752	0.009619	0.242743
	-0.25137	-2.61616	0.009689	0.243399
	0.343219	2.617434	0.009655	0.243103
TMEM108;AMOTL2;SRPRB	0.203995	2.617048	0.009665	0.243149
	0.22094	2.619335	0.009603	0.242501
GALNS	-0.40299	-2.61595	0.009695	0.243487
	0.241197	2.619287	0.009604	0.242515
	-0.27378	-2.62024	0.009579	0.242359
	0.189313	2.618566	0.009624	0.242812
	-0.27125	-2.61947	0.009599	0.242481
TMEM80	-0.2274	-2.61726	0.009659	0.243145
	0.264111	2.620461	0.009573	0.242282
	-0.21186	-2.61191	0.009806	0.244283
SENP7	-0.43723	-2.62017	0.00958	0.242359
	0.327854	2.617843	0.009643	0.242934
	-0.31271	-2.61968	0.009594	0.242436
	-0.23607	-2.61717	0.009662	0.243149
KIAA1841	0.186414	2.617166	0.009662	0.243149
ZSCAN12;HCG14	-0.32305	-2.61709	0.009664	0.243149
	0.252256	2.618442	0.009627	0.242846
	0.348516	2.61804	0.009638	0.242934
TBX2;METTL2A;TBX4;ENSG00000267280	-0.26198	-2.61515	0.009717	0.243788
	0.339609	2.619608	0.009596	0.242463
	0.310967	2.620134	0.009581	0.242364
HN1L;UBE2I;CACNA1H;RNPS1;CCDC78	0.368548	2.617894	0.009642	0.242934
	-0.16989	-2.6168	0.009672	0.243207
	0.206477	2.616913	0.009669	0.243193
	0.305237	2.61851	0.009625	0.242821
	-0.2773	-2.62035	0.009576	0.24231
PCDHB7;PCDHGA2;PCDHB9;PCDH1;PCDHGA3;PCDHB5	-0.21383	-2.61975	0.009592	0.242411
	-0.22441	-2.61186	0.009807	0.244293
	0.238478	2.615736	0.009701	0.243561
	-0.34195	-2.61745	0.009654	0.243103
	-0.24729	-2.61839	0.009629	0.242846
SMOC2;THBS2;PHF10	0.341756	2.617546	0.009651	0.24308
ENSG00000236548	0.309523	2.615048	0.00972	0.243794
	0.403895	2.619126	0.009609	0.242558
KIAA1211L;TSGA10	0.341984	2.61927	0.009605	0.242515
	0.265087	2.618402	0.009628	0.242846

ENSG00000248222;SLIT3;KCNMB1;FOXI1;ENSG00000249601	-0.25196	-2.61813	0.009636	0.242934
	0.270898	2.615577	0.009705	0.243584
	0.269489	2.619351	0.009603	0.242501
	-0.24401	-2.61752	0.009652	0.243087
	0.179002	2.617674	0.009648	0.243008
	-0.15308	-2.61713	0.009663	0.243149
	0.412223	2.619893	0.009588	0.242402
	-0.2963	-2.61076	0.009837	0.244495
	0.230399	2.616261	0.009686	0.243389
	-0.28076	-2.61859	0.009623	0.242809
	-0.38207	-2.61909	0.00961	0.242571
	0.2445	2.616879	0.00967	0.243193
	-0.17178	-2.61715	0.009662	0.243149
	-0.30439	-2.61564	0.009704	0.243584
WDR35	-0.27567	-2.61792	0.009641	0.242934
CD160	-0.32809	-2.61817	0.009635	0.242928
	-0.20717	-2.61307	0.009774	0.244075
SPATS2;FKBP11	0.399796	2.616119	0.00969	0.243406
	0.15748	2.615109	0.009718	0.243794
	-0.31488	-2.61606	0.009692	0.243422
	0.154508	2.614232	0.009742	0.243991
	-0.3174	-2.61378	0.009754	0.244061
	0.148894	2.613727	0.009756	0.244061
	-0.30583	-2.61807	0.009637	0.242934
	0.228656	2.61807	0.009637	0.242934
	-0.31441	-2.61628	0.009686	0.243389
	0.330786	2.617384	0.009656	0.243103
C10orf128	0.354678	2.617855	0.009643	0.242934
NRXN2;RASGRP2;MAP4K2;CCDC88B;FERMT3;STIP1;PYGM;PRDX5	-0.19746	-2.61471	0.009729	0.243905
	0.493468	2.616107	0.009691	0.243406
	-0.18697	-2.61714	0.009663	0.243149
	0.24058	2.61464	0.009731	0.243911
	0.328146	2.61617	0.009689	0.243399
	0.17226	2.61662	0.009677	0.24327
	0.344169	2.614179	0.009743	0.243991
	-0.27234	-2.61439	0.009738	0.243968
	0.427034	2.617403	0.009655	0.243103
	0.276404	2.613184	0.009771	0.244075
ENSG00000260257 LTBP4;CEACAM3;GRIK5;DEDD2;AXL;PRX;CEACAM6 PIGU;ERGIC3;DYNLRB1;MMP24-AS1;GSS;ITCH	-0.29621	-2.61483	0.009726	0.243853
	-0.35139	-2.61707	0.009664	0.243149
	0.237751	2.615878	0.009697	0.243506
	-0.27079	-2.61689	0.009669	0.243193
	-0.18646	-2.61789	0.009642	0.242934
	-0.25656	-2.61096	0.009832	0.24447
	0.318802	2.616686	0.009675	0.243239

MEDAG	0.341247	2.613265	0.009768	0.244075
GABBR1;TRIM31;GNL1;MDC1;NRM;TRIM26;DDR1;DHX16;PPP1R11;HLA-A;HLA-F-AS1;PPP1R18	0.428816	2.614075	0.009746	0.244027
	0.323371	2.618274	0.009632	0.242897
PADI1;ARHGEF10L;SDHB	-0.36486	-2.61365	0.009758	0.244061
	-0.18398	-2.6139	0.009751	0.244061
ACAP1;ALOX12P2;KCTD11;KIAA0753;CLEC10A;TNFSF12;ENSG0000263316;BCL6B;CYB5D1;SLC16A13;FAM64A;WRAP53;EFNB3	-0.18652	-2.61677	0.009672	0.243208
	-0.33094	-2.61383	0.009753	0.244061
	0.133025	2.615306	0.009713	0.243712
	0.246121	2.614627	0.009731	0.243911
FAM83H-AS1;RHPN1-AS1;GPIHBP1;FAM83H;TSTA3;EXOSC4	-0.31176	-2.61366	0.009758	0.244061
	0.329821	2.613651	0.009758	0.244061
	0.286173	2.611824	0.009808	0.244293
EFTUD1P1;GOLGA2P7;UBE2Q2P1;TM6SF1	0.297754	2.616244	0.009687	0.243389
	-0.19655	-2.61655	0.009679	0.243287
	0.179903	2.616196	0.009688	0.243399
GAS8	-0.23548	-2.61451	0.009734	0.243944
	-0.1934	-2.61548	0.009708	0.243614
PDGFB;MFNG;C22orf23;LGALS1	-0.36154	-2.61659	0.009677	0.243275
HAL;LTA4H	0.228166	2.612888	0.009779	0.244077
ENSG00000234478;PYCR2;LBR;CNIH3;EPHX1	-0.34027	-2.61444	0.009736	0.243965
WDR96;CCDC147;SH3PXD2A	-0.36765	-2.61382	0.009753	0.244061
CARS;ENSG00000255367;CHRNA10	-0.40316	-2.61428	0.009741	0.243991
	0.401468	2.616328	0.009685	0.243389
ICA1L	0.386645	2.616237	0.009687	0.243389
AKR1C3;PFKP;AKR1C2	-0.34381	-2.61581	0.009699	0.243541
PLTP	0.263905	2.616847	0.009671	0.243201
	0.156921	2.616251	0.009687	0.243389
CCDC33;PML;CYP11A1;SEMA7A;CSK;FAM219B;ENSG00000259264;LOXL1	-0.37617	-2.61569	0.009702	0.24358
	0.291218	2.615539	0.009706	0.243595
PEX6	-0.48168	-2.61498	0.009721	0.243794
	0.249588	2.614606	0.009732	0.243911
HCP5;ENSG00000225914;HSPA1A	0.270364	2.613062	0.009774	0.244075
	0.152588	2.613088	0.009773	0.244075
	0.152434	2.614273	0.009741	0.243991
TGFB1	0.189835	2.613336	0.009766	0.244075
	-0.20968	-2.61376	0.009755	0.244061
SYCP2;FAM217B;PPP1R3D;PHACTR3	-0.48504	-2.61504	0.00972	0.243794
	-0.16081	-2.61528	0.009713	0.243713
RAB37	0.252563	2.613095	0.009773	0.244075
SLC43A2;GEMIN4;C17orf97;NXN;ENSG00000263050;FAM57A	-0.28774	-2.6168	0.009672	0.243207
	0.363582	2.616696	0.009675	0.243239

GNL3	-0.23139	-2.61699	0.009667	0.243157
	0.207383	2.611401	0.00982	0.244364
	-0.2181	-2.61339	0.009765	0.244075
	0.218274	2.616516	0.00968	0.243287
TSSC1	0.274592	2.614047	0.009747	0.244032
	0.343405	2.614412	0.009737	0.243968
	PDE2A;FCHSD2;STARD10;MRPL48;PPME1;PLEKHB1;DNAJB13;P			
	GM2L1;COA4;C2CD3;UCP2			
PSMD14;ENSG00000232320	-0.27054	-2.61401	0.009748	0.244041
	-0.28854	-2.61464	0.009731	0.243911
	0.260745	2.6132	0.00977	0.244075
	0.378439	2.614085	0.009746	0.244027
RHBDF2;ST6GALNAC2	-0.31845	-2.61504	0.00972	0.243794
	0.265972	2.614588	0.009732	0.243911
	-0.48219	-2.61591	0.009696	0.243495
	0.241016	2.612904	0.009778	0.244077
GNA12;IQCE;MAD1L1;CHST12	-0.31409	-2.61298	0.009776	0.244075
	-0.25795	-2.61419	0.009743	0.243991
	-0.30444	-2.615	0.009721	0.243794
	-0.17332	-2.61341	0.009765	0.244075
FYB	-0.3541	-2.61559	0.009705	0.243584
	-0.48203	-2.61702	0.009666	0.243156
	-0.44503	-2.61107	0.009829	0.244461
	-0.3657	-2.6137	0.009757	0.244061
MRPS6;IFNAR2	-0.28612	-2.61323	0.00977	0.244075
	0.284286	2.61447	0.009735	0.243956
	0.25596	2.612864	0.009779	0.244077
	0.186961	2.611223	0.009825	0.24441
KHNYN;NFATC4	-0.21342	-2.61481	0.009726	0.243853
	0.294426	2.613121	0.009772	0.244075
	-0.41081	-2.61165	0.009813	0.244321
	0.25948	2.61487	0.009724	0.243839
PADI1;HSPB7	-0.69636	-2.61458	0.009732	0.243911
	0.290512	2.613846	0.009752	0.244061
	0.555725	2.61145	0.009818	0.24436
	0.307012	2.615012	0.009721	0.243794
RBM33	-0.32135	-2.61146	0.009818	0.24436
	-0.27583	-2.61192	0.009805	0.244283
	0.189006	2.611212	0.009825	0.24441
	-0.36359	-2.6095	0.009872	0.244812
RNF5	-0.28781	-2.61172	0.009811	0.244303
	0.26488	2.609384	0.009876	0.244812
	-0.21611	-2.61334	0.009766	0.244075
	0.289577	2.613281	0.009768	0.244075
ZNF75A	-0.29957	-2.61361	0.009759	0.244061
	-0.55159	-2.61498	0.009721	0.243794
	0.265464	2.611997	0.009803	0.244271
	0.38277	2.613519	0.009761	0.244075
VAMP8;KCMF1				

SMG5	0.142215	2.613915	0.009751	0.244061
	0.315077	2.612693	0.009784	0.244092
	0.249167	2.614205	0.009743	0.243991
PTP4A3	0.195372	2.610006	0.009858	0.244741
	-0.25566	-2.60754	0.009927	0.245303
	0.249321	2.610452	0.009846	0.244562
TPP1	0.335483	2.612304	0.009795	0.244228
	-0.20367	-2.61344	0.009764	0.244075
	-0.29078	-2.60972	0.009866	0.244812
KIF26A;C14orf79;INF2;ENSG00000258534	0.390266	2.613139	0.009772	0.244075
	0.196974	2.610386	0.009848	0.244579
	-0.17861	-2.61202	0.009803	0.244271
ZFP36L1	0.168838	2.612646	0.009785	0.244092
	0.269693	2.613196	0.00977	0.244075
	-0.14669	-2.61133	0.009822	0.244383
HS3ST6	0.308532	2.608263	0.009907	0.245045
	-0.17083	-2.61138	0.00982	0.244364
	0.178054	2.613262	0.009769	0.244075
TMEM50A;PAFAH2;RPS6KA1;TRNP1;CD52;PDIK1L	0.245481	2.609833	0.009863	0.244786
	0.206375	2.613091	0.009773	0.244075
	-0.37406	-2.61327	0.009768	0.244075
TPPP	0.307807	2.610994	0.009831	0.24447
	0.238126	2.609277	0.009879	0.244816
	0.400161	2.608988	0.009887	0.244844
ENSG00000242941;ENSG00000258623;RAD51B;ENSG00000259038;GALNT16	0.326302	2.61315	0.009772	0.244075
	0.26227	2.612233	0.009797	0.244228
	-0.39174	-2.61286	0.00978	0.244077
ITGAE;P2RX5	0.190112	2.614169	0.009744	0.243991
	-0.3924	-2.61303	0.009775	0.244075
	0.280728	2.613022	0.009775	0.244075
ROR2;SPTLC1	-0.30691	-2.61147	0.009818	0.24436
	0.416451	2.61247	0.00979	0.244144
	-0.25307	-2.61185	0.009807	0.244293
EFCAB7	0.196434	2.612638	0.009786	0.244092
	-0.26482	-2.60092	0.010113	0.246838
	-0.18974	-2.6128	0.009781	0.244088
MEN1	0.279183	2.612314	0.009795	0.244228
	-0.21069	-2.61214	0.009799	0.24426
	0.280713	2.612614	0.009786	0.244092
PTPN7;KIF21B	0.247726	2.614952	0.009722	0.243798
	0.280713	2.612614	0.009786	0.244092
	0.247726	2.614952	0.009722	0.243798
SHANK2	0.280713	2.612614	0.009786	0.244092
	0.247726	2.614952	0.009722	0.243798
	0.280713	2.612614	0.009786	0.244092
BNIPL;THEM4;CGN;HRNR;SELENBP1;S100A11;FAM63A;SEMA6C;POGZ	-0.43759	-2.61157	0.009815	0.24435
	0.280713	2.612614	0.009786	0.244092
	0.247726	2.614952	0.009722	0.243798

	0.156083	2.608686	0.009895	0.244909
PDLIM1;ENTPD1	-0.29283	-2.61154	0.009816	0.244357
CTNNA1;NME5;KLHL3;FAM13B	-0.31715	-2.61268	0.009785	0.244092
	-0.20408	-2.60871	0.009894	0.244909
RAD50;ACSL6;PDLIM4	-0.26824	-2.61168	0.009812	0.244319
PIEZO1;SPATA33	0.196123	2.607173	0.009937	0.245371
	0.264739	2.609484	0.009873	0.244812
	-0.18191	-2.61023	0.009852	0.244645
	-0.21351	-2.61297	0.009776	0.244075
AHNAK2	0.253682	2.610525	0.009844	0.244555
	-0.19303	-2.60963	0.009869	0.244812
VWDE	-0.42254	-2.61073	0.009838	0.244495
	0.357196	2.613296	0.009768	0.244075
HCP5	-0.3517	-2.61319	0.009771	0.244075
	-0.5171	-2.61385	0.009752	0.244061
	0.418355	2.612741	0.009783	0.244092
RHPN2;KIAA0355;CEP89;DPY19L3;LRP3;KCTD15	0.334568	2.613178	0.009771	0.244075
	-0.19402	-2.61421	0.009743	0.243991
	-0.32758	-2.61366	0.009757	0.244061
	-0.21473	-2.61064	0.009841	0.244501
	-0.3398	-2.61255	0.009788	0.244104
	0.173665	2.610307	0.00985	0.244605
	0.332255	2.612224	0.009797	0.244228
	-0.15795	-2.61225	0.009796	0.244228
CACNA2D2;C3orf18;KLHDC8B;RASSF1;LAMB2;GNAI2	-0.50289	-2.61296	0.009777	0.244075
NME6;PRKAR2A-AS1;FCF1P2;KIF9	-0.31687	-2.61057	0.009843	0.244536
JHDM1D-AS1;DENND2A	-0.47749	-2.61107	0.009829	0.244461
FAM13C	-0.32164	-2.61172	0.009811	0.244303
CCDC88A;MTIF2;SPTBN1;RPL23AP32	-0.35747	-2.60711	0.009939	0.245371
	0.336512	2.609427	0.009874	0.244812
	0.301689	2.609575	0.00987	0.244812
ALDH3B2;CDK2AP2;GSTP1	0.22741	2.612105	0.0098	0.24426
	0.300157	2.612608	0.009786	0.244092
	0.238286	2.612093	0.009801	0.24426
PTRF;KRT23;FKBP10;ATP6V0A1;ACLY;STAT5B	-0.2759	-2.61119	0.009826	0.244411
HSP90AA5P	-0.20283	-2.61207	0.009801	0.244261
	0.347888	2.612831	0.00978	0.244082
TMEM156;TLR6	0.430244	2.61124	0.009824	0.24441
C11orf88;COLCA1;ENSG00000255093;POU2AF1;ENSG0000025				
5428;BTG4;MIR34C;ENSG00000254980	0.271509	2.611429	0.009819	0.244361
OSBPL2;GATA5;C20orf166-AS1	-0.26784	-2.61094	0.009833	0.24447
	-0.22329	-2.61071	0.009839	0.244495
CYP17A1	-0.37671	-2.61273	0.009783	0.244092
	0.311632	2.609448	0.009874	0.244812
	-0.2683	-2.61069	0.009839	0.244495
	-0.31436	-2.61071	0.009839	0.244495
	-0.22623	-2.61145	0.009818	0.24436

	-0.29999	-2.60991	0.009861	0.244786
	0.316693	2.610091	0.009856	0.244696
	0.36839	2.608424	0.009902	0.244977
	-0.19534	-2.61369	0.009757	0.244061
ENSG00000232712	0.455673	2.60867	0.009895	0.244909
	0.202968	2.610315	0.00985	0.244605
	-0.27137	-2.6109	0.009834	0.24447
GOSR2	0.291782	2.609061	0.009885	0.244844
	-0.4167	-2.6118	0.009809	0.244293
HSP90AA1;C14orf2;EIF5;MOK;XRCC3;ENSG00000259508	-0.35389	-2.60888	0.00989	0.244862
DNAJA4;WDR61;ADAMTS7;ACSBG1;CTSH;TBC1D2B;RASGRF1;I				
DH3A;HYKK;PSMA4	-0.3958	-2.61172	0.009811	0.244303
HCP5;HLA-B;HLA-E;LTB;HLA-A;HLA-C	-0.39004	-2.61197	0.009804	0.244271
	0.253285	2.606135	0.009966	0.245768
	-0.15422	-2.60645	0.009957	0.245696
	-0.19276	-2.60955	0.009871	0.244812
	0.271826	2.610466	0.009846	0.244562
	0.189488	2.612561	0.009788	0.244104
	-0.21337	-2.60989	0.009862	0.244786
	0.210511	2.611992	0.009803	0.244271
ARID3A;GNG7;MOB3A;HMHA1	0.376363	2.612725	0.009783	0.244092
	0.231468	2.611815	0.009808	0.244293
	0.315184	2.610709	0.009839	0.244495
	-0.40257	-2.60743	0.00993	0.245303
	-0.34886	-2.6116	0.009814	0.244344
HLA-F;HLA-E	-0.3158	-2.60957	0.00987	0.244812
	-0.23867	-2.60943	0.009874	0.244812
	0.29629	2.611055	0.009829	0.244461
	0.366573	2.610503	0.009845	0.244555
FAM3D;ARF4	0.235501	2.608272	0.009906	0.245045
	-0.17645	-2.60907	0.009884	0.244844
	0.328221	2.609529	0.009872	0.244812
BRI3	0.241711	2.610645	0.009841	0.244501
	0.34591	2.609	0.009886	0.244844
	-0.1988	-2.60863	0.009896	0.244909
	-0.18486	-2.6088	0.009892	0.244885
PRIMA1;ASB2;SYNE3;IFI27;LINC00341;ENSG00000258987	-0.33165	-2.60891	0.009889	0.244858
	-0.20111	-2.60935	0.009876	0.244812
	-0.25889	-2.60919	0.009881	0.24482
	0.337398	2.612252	0.009796	0.244228
CATSPERB;ATXN3;TC2N;ENSG00000260711;ENSG0000026865				
7;ENSG00000258962	-0.40846	-2.60804	0.009913	0.245143
	0.276593	2.608626	0.009897	0.244909
	0.147846	2.600934	0.010112	0.246838
FSIP1;SRP14-AS1;ENSG00000259536	0.39048	2.610147	0.009854	0.244687



ST6GALNAC2;UNC13D;SMIM5;RHBDF2;RNF157- AS1;SLC16A5;FOXJ1;FDXR;SPHK1;GALK1;PRPSAP1;ICT1;SMIM6; GGA3;TRIM65	-0.34147	-2.60982	0.009864	0.244786
	-0.23237	-2.60969	0.009867	0.244812
	0.337144	2.607471	0.009929	0.245303
	0.252992	2.609416	0.009875	0.244812
	-0.16071	-2.61089	0.009834	0.24447
	-0.22618	-2.60575	0.009977	0.245833
	0.160178	2.605894	0.009973	0.245833
	0.316126	2.609048	0.009885	0.244844
	-0.16379	-2.6093	0.009878	0.244812
	0.32574	2.608945	0.009888	0.244858
ENSG00000262370;SRRM2	-0.28489	-2.60766	0.009924	0.245279
	0.284084	2.606645	0.009952	0.245634
	-0.28889	-2.60404	0.010025	0.246167
FBXL2;CRTAP;CCR4 MIAT	-0.2528	-2.60568	0.009979	0.245833
	0.292032	2.609199	0.009881	0.24482
	-0.25141	-2.61098	0.009831	0.24447
MYO9A;THSD4	-0.37684	-2.6104	0.009847	0.244579
	-0.24923	-2.60583	0.009974	0.245833
	-0.29282	-2.60907	0.009884	0.244844
CCP110;GDE1;TMC5;IQCK;COQ7;ENSG00000259925;ERI2;ENS G00000260681;SYT17;CLEC19A;ENSG00000005189;C16orf62;E NSG00000259871	-0.40575	-2.60795	0.009915	0.245162
	0.137659	2.60555	0.009982	0.245879
	0.288791	2.609235	0.00988	0.24482
	0.283118	2.610098	0.009856	0.244696
	0.217466	2.609354	0.009876	0.244812
	0.335213	2.60589	0.009973	0.245833
GABBR1;MDC1;GNL1;TRIM31;PPP1R18;NRM;DDR1	0.495253	2.609398	0.009875	0.244812
	-0.26525	-2.60772	0.009922	0.245247
ENSG00000271763	0.304877	2.60983	0.009863	0.244786
	0.335035	2.609303	0.009878	0.244812
	-0.38321	-2.60747	0.009929	0.245303
SLC22A17;DCAF11;RBM23;REC8;EFS;CDH24;LRP10	-0.31078	-2.60437	0.010016	0.246154
	-0.30961	-2.60903	0.009885	0.244844
	0.211241	2.608783	0.009892	0.244886
	0.198596	2.608509	0.0099	0.244961
	-0.39398	-2.6073	0.009934	0.245341
	-0.21134	-2.60099	0.010111	0.246838
	0.276632	2.61096	0.009832	0.24447
ABHD2	-0.33703	-2.61077	0.009837	0.244495
ATP6V0B;RPS8	0.165729	2.60591	0.009972	0.245833
	0.262715	2.60811	0.009911	0.245108
TRIM59	0.293885	2.607766	0.00992	0.245231
	-0.33452	-2.60987	0.009862	0.244786
C4orf19;FAM114A1;KLHL5	0.316498	2.608444	0.009902	0.244977

ENSG00000244327	-0.27783	-2.60711	0.009939	0.245371
	-0.21332	-2.60883	0.009891	0.244883
	0.298518	2.609307	0.009878	0.244812
	0.281411	2.606828	0.009947	0.245551
	-0.41958	-2.60795	0.009915	0.245162
SLC44A4;LY6G5C;TNXB;NOTCH4;VWA7;NELFE;DDR1;HSPA1L;CLIC1;HSPA1A;TCF19;C6orf10;PBX2;ENSG00000225914;BAG6ZNF44;CDKN2D;ACP5;RAB3DHOXB3;HOXB4;NXPH3;TBKBP1;MIR10A;CALCOCO2;HOXB-AS2;ABI3;HOXB6	-0.29201	-2.60864	0.009896	0.244909
	0.19602	2.607806	0.009919	0.24523
	-0.24244	-2.60638	0.009959	0.245716
	-0.38184	-2.6026	0.010065	0.246481
	0.224324	2.609402	0.009875	0.244812
FAM41C;LINC00115;TUBB8P11CROCC;RSG1;ENSG00000227959;ENSG00000233421	0.322739	2.610875	0.009834	0.24447
	0.190366	2.605212	0.009992	0.245971
	-0.24147	-2.60616	0.009965	0.245768
	-0.30312	-2.60636	0.00996	0.245716
	0.257016	2.605875	0.009973	0.245833
SRGAP3-AS2;SRGAP3;IL17RE;ENSG00000206567;PRRT3	0.433092	2.604281	0.010018	0.246158
	0.199207	2.608906	0.009889	0.244858
	-0.41381	-2.60588	0.009973	0.245833
	-0.2548	-2.60518	0.009993	0.245975
	-0.39876	-2.6074	0.009931	0.245303
ERG	-0.46344	-2.60655	0.009955	0.24567
	0.349651	2.60642	0.009958	0.245704
	-0.22503	-2.60579	0.009976	0.245833
	0.251044	2.608542	0.009899	0.244952
	-0.40166	-2.60717	0.009937	0.245371
MRVI1;WEE1;AMPD3;EIF4G2	-0.2757	-2.60787	0.009918	0.245202
	0.285147	2.606547	0.009954	0.24567
	0.322309	2.604386	0.010015	0.246154
	0.427196	2.608221	0.009908	0.24506
	0.207441	2.607606	0.009925	0.245299
PTPRG	0.371822	2.607788	0.00992	0.24523
	-0.51041	-2.6072	0.009936	0.245371
	0.216667	2.605305	0.009989	0.245934
	-0.29879	-2.60483	0.010003	0.246081
	-0.30458	-2.60921	0.00988	0.24482
TMC8;TNRC6C-AS1;TMC6	0.309338	2.604638	0.010008	0.246154
	0.303022	2.606752	0.009949	0.245589
	-0.18426	-2.60437	0.010016	0.246154
	0.28901	2.607391	0.009931	0.245303
	-0.32621	-2.60751	0.009928	0.245303
DNAH9	0.120386	2.604474	0.010013	0.246154
	0.287587	2.606656	0.009951	0.245634
	0.306653	2.605335	0.009988	0.245934

XPR1;KIAA1614	0.308367	2.60744	0.00993	0.245303
	-0.33347	-2.60751	0.009928	0.245303
	-0.28852	-2.60567	0.009979	0.245833
	0.337991	2.606056	0.009968	0.245785
WDR11	-0.44961	-2.60515	0.009993	0.245976
STYXL1;HIP1;POR;MDH2;RHBDD2;ENSG00000227038;SNORA14A	-0.42331	-2.60905	0.009885	0.244844
ERVK13-1;KCTD5	0.190962	2.607122	0.009938	0.245371
ENSG00000229892	-0.25799	-2.60623	0.009963	0.245768
	-0.17527	-2.60839	0.009903	0.244985
	0.265759	2.609326	0.009877	0.244812
	-0.22445	-2.60442	0.010014	0.246154
	0.234065	2.60371	0.010034	0.246243
	0.25334	2.601239	0.010104	0.246807
	0.262433	2.605449	0.009985	0.245906
ACAP1;TNK1	0.422865	2.608463	0.009901	0.244977
	0.339922	2.605138	0.009994	0.245976
	-0.31003	-2.60277	0.010061	0.24648
	0.253054	2.607209	0.009936	0.245371
	-0.28189	-2.60557	0.009982	0.245877
	0.218396	2.607989	0.009914	0.245162
CACNA1A	-0.259	-2.60491	0.01	0.246075
	-0.22768	-2.60411	0.010023	0.246167
	0.390827	2.60819	0.009909	0.245067
CKMT2	-0.27079	-2.60493	0.01	0.246075
	-0.33364	-2.6057	0.009978	0.245833
CRIP3	0.209181	2.6049	0.010001	0.246075
	-0.36204	-2.60486	0.010002	0.246075
GATA2;KIAA1257;IFT122;EFCAB12;PLXND1;ENSG00000244300;ENSG00000187695;RUVBL1;ENSG00000203644;RPL32P3;COPG1;TMCC1;ENSG00000244932	-0.50744	-2.60275	0.010061	0.24648
DNAH9;ARHGAP44;MYOCD;ENSG00000266368;HS3ST3A1	0.226674	2.604335	0.010016	0.246154
	0.303014	2.605229	0.009991	0.245971
	-0.29154	-2.60623	0.009963	0.245768
	0.197759	2.603383	0.010043	0.246327
	0.20256	2.606248	0.009963	0.245768
DZANK1	-0.29445	-2.60267	0.010063	0.246481
	-0.40969	-2.59897	0.010168	0.247387
	0.201764	2.603565	0.010038	0.246275
	0.235172	2.603487	0.01004	0.246275
	0.370521	2.605459	0.009985	0.245906
	0.184837	2.605658	0.009979	0.245833
DHX30	-0.2537	-2.60532	0.009989	0.245934
	-0.21665	-2.6047	0.010006	0.246142
CCHCR1;SLC44A4;LY6G5C;PPP1R18;VWA7;LTB;HLA-E;NRM;C6orf10;ENSG00000272221;MICB	-0.31741	-2.60241	0.010071	0.246532

SLAMF1;SLAMF6;CD84;FCRL6;LY9;SLAMF7;USP21;CD48;PVRL4; FCGR2B;CD244;FCGR2C;HSPA7;ARHGAP30	0.467628	2.605788	0.009976	0.245833
	0.247854	2.601233	0.010104	0.246807
	-0.29521	-2.60612	0.009966	0.245768
	0.319823	2.606484	0.009956	0.245688
	0.232904	2.60575	0.009977	0.245833
P2RX1;ZFP3;NLRP1;SPNS2;ZZEF1;ALOX15	-0.33006	-2.60431	0.010017	0.246154
	-0.26089	-2.60217	0.010077	0.246591
	0.228609	2.605791	0.009976	0.245833
	0.244371	2.606076	0.009968	0.245785
	-0.32266	-2.60534	0.009988	0.245934
COX5A;SCAMP2;RPP25;CSK	-0.2689	-2.60739	0.009931	0.245303
PCYT1A	0.398573	2.606531	0.009955	0.24567
HIST1H4K	-0.20182	-2.60473	0.010005	0.24613
BNIP1	-0.24628	-2.60257	0.010066	0.246481
	0.230891	2.601137	0.010107	0.24682
	0.265686	2.606137	0.009966	0.245768
	0.224218	2.604152	0.010022	0.246167
	0.244113	2.599899	0.010142	0.247097
HMHA1;PPAP2C	-0.28038	-2.60486	0.010002	0.246075
BEND7;CCDC3	0.251111	2.603709	0.010034	0.246243
ATP5I	-0.32289	-2.60569	0.009978	0.245833
	-0.36006	-2.60737	0.009931	0.245303
GIMAP7;GIMAP5;GIMAP6;GIMAP8;GIMAP4;GIMAP2	0.362758	2.604459	0.010013	0.246154
FBLN2	0.263904	2.602195	0.010077	0.246591
	-0.22819	-2.60223	0.010076	0.246591
RHOBTB1;ANK3;LINC00948;ENSG00000254271	-0.46907	-2.60447	0.010013	0.246154
LPAR3;MCOLN2;MIR4423	0.287124	2.602857	0.010058	0.24648
TAMM41	0.180402	2.597512	0.01021	0.247809
	0.215633	2.604005	0.010026	0.246167
DOC2B;RPH3AL	0.417379	2.605524	0.009983	0.245883
MFAP4;TVP23B;B9D1;LGALS9B;FBXW10	-0.33044	-2.60218	0.010077	0.246591
	0.251195	2.601576	0.010094	0.246714
	0.174706	2.60454	0.010011	0.246154
	-0.26567	-2.60613	0.009966	0.245768
	0.186782	2.604117	0.010023	0.246167
ZNF30	-0.22629	-2.60359	0.010037	0.246275
	-0.25127	-2.60463	0.010008	0.246154
	-0.2096	-2.60329	0.010046	0.246366
	-0.20783	-2.60257	0.010066	0.246481
TMEM106A;CNTD1	0.324239	2.602408	0.010071	0.246532
	-0.30936	-2.59916	0.010163	0.247315
PEX11G;RFX2;ZNF358;CAPS	-0.5516	-2.60286	0.010058	0.24648
	0.36992	2.600037	0.010138	0.247046
	-0.21649	-2.60374	0.010033	0.246243
	-0.34019	-2.60349	0.01004	0.246275
FAM78A	0.224002	2.6026	0.010065	0.246481

	0.237202	2.60432	0.010017	0.246154
	0.155134	2.60379	0.010032	0.246243
	-0.19321	-2.60184	0.010087	0.246685
CCDC41;FGD6;CRADD	-0.25234	-2.60063	0.010121	0.246858
MRPL23	0.266847	2.601835	0.010087	0.246685
TMEM176A	-0.24709	-2.60392	0.010028	0.246209
	0.143417	2.602391	0.010071	0.246532
	0.277829	2.604128	0.010022	0.246167
UPF3A	-0.23807	-2.6014	0.010099	0.246766
	0.220021	2.601751	0.010089	0.246685
	0.388006	2.60459	0.010009	0.246154
	0.402217	2.599453	0.010154	0.247215
	0.33633	2.605376	0.009987	0.245934
LPXN	-0.3635	-2.60406	0.010024	0.246167
	0.161721	2.60205	0.010081	0.246612
	-0.35379	-2.60191	0.010085	0.246682
SNHG3;SNORA73B	-0.16777	-2.60078	0.010117	0.246844
	0.390367	2.605122	0.009994	0.245976
MEOX1;RUNDC1;ATP6V0A1;FKBP10;COA3;CNTNAP1;BECN1;BRCA1;STAT5B;VPS25;AOC3;STAT5A;TMEM106A;RAMP2;TUBG1;ACLY;PSME3;COASY;LEPREL4	-0.32225	-2.60489	0.010001	0.246075
	-0.33001	-2.6009	0.010113	0.246838
	0.262942	2.603479	0.010041	0.246275
	0.224006	2.60354	0.010039	0.246275
GIMAP6;GIMAP7;RARRES2;GIMAP8;GIMAP1;GIMAP4;GIMAP5;SMARCD3;REPIN1;CDK5	-0.31195	-2.60279	0.01006	0.24648
	-0.27479	-2.60168	0.010091	0.246685
	-0.22809	-2.60209	0.01008	0.246602
	0.260896	2.596207	0.010247	0.248065
	0.269807	2.600939	0.010112	0.246838
	0.379464	2.596014	0.010253	0.248065
	0.313221	2.60147	0.010097	0.246745
	0.251743	2.600214	0.010133	0.246966
WDR16;USP43;ARHGEF15;NDEL1;CTC1;GAS7	-0.20336	-2.60301	0.010054	0.246462
	-0.24436	-2.60411	0.010023	0.246167
	0.18737	2.598495	0.010182	0.24755
	0.228143	2.602162	0.010078	0.246591
	0.208365	2.604013	0.010026	0.246167
TPPP	0.180924	2.60269	0.010063	0.246481
RPL27	0.15001	2.604148	0.010022	0.246167
	0.300831	2.597741	0.010203	0.247749
PKP3;TALDO1;MRPL23;C11orf89;TSPAN4;ATHL1	-0.19453	-2.60331	0.010045	0.24636
	0.209705	2.603775	0.010032	0.246243
	-0.22408	-2.6017	0.010091	0.246685
	0.39992	2.603837	0.01003	0.246243
FMNL3;ASIC1;LMBR1L;BCDIN3D;WNT10B;KCNH3	-0.26316	-2.60369	0.010035	0.246246
EIF3H	0.355223	2.604263	0.010018	0.246158

LRRC27	0.40169	2.603133	0.01005	0.246429
	0.185253	2.601826	0.010087	0.246685
	0.402823	2.602993	0.010054	0.246462
	0.284446	2.600964	0.010112	0.246838
	0.157894	2.601374	0.0101	0.246769
	0.289181	2.602129	0.010079	0.2466
	-0.20351	-2.60058	0.010122	0.24688
	0.296576	2.604179	0.010021	0.246167
	0.210096	2.599867	0.010143	0.247097
	0.320118	2.603547	0.010039	0.246275
GSTT1;ENSG00000225282;ENSG00000273295;ENSG00000235231;ENSG00000218537;ENSG00000272955;ENSG00000272787;GSTT2				
TSR3 APBA2	-0.25727	-2.6038	0.010031	0.246243
	0.246784	2.599642	0.010149	0.247185
	0.253327	2.600755	0.010117	0.246845
	0.209219	2.600213	0.010133	0.246966
SLC22A15	0.155339	2.600875	0.010114	0.246838
	-0.28232	-2.60078	0.010117	0.246844
	0.365645	2.604564	0.01001	0.246154
	-0.20152	-2.59615	0.010249	0.248065
	0.307197	2.601627	0.010093	0.246707
	0.315929	2.603512	0.01004	0.246275
	0.268867	2.602856	0.010058	0.24648
	0.40516	2.602733	0.010062	0.24648
	-0.17554	-2.59925	0.01016	0.247266
	-0.24057	-2.60174	0.01009	0.246685
NTAN1;NOMO1 MRPL42P6;AADACL2;ENSG00000241151;ENSG00000242908;ENSG00000242097;IGSF10;P2RY1;ENSG00000222833;ENSG0000241732;RAP2B NRROS;TNK2;TCTEX1D2;ENSG00000227433;CEP19;PIGX;PPP1R2	0.341613	2.602763	0.010061	0.24648
	-0.44893	-2.60441	0.010014	0.246154
	0.404433	2.602527	0.010067	0.246481
	-0.43069	-2.60406	0.010024	0.246167
	-0.38387	-2.59819	0.01019	0.247635
	0.239933	2.601195	0.010105	0.246809
	-0.34057	-2.60277	0.01006	0.24648
	-0.2625	-2.59787	0.010199	0.247699
	-0.3282	-2.59908	0.010165	0.247331
	0.212759	2.601473	0.010097	0.246745
TBX3;TBX5;TBX5-AS1 ENSG00000178404;TMC6;CBX2  B4GALNT3	-0.47852	-2.60178	0.010088	0.246685
	0.381537	2.603261	0.010047	0.246369
	-0.32067	-2.60094	0.010112	0.246838
	-0.2967	-2.60443	0.010014	0.246154
	-0.375	-2.60254	0.010067	0.246481
	-0.4245	-2.60069	0.010119	0.246854
	0.322275	2.604426	0.010014	0.246154

FXVD3;SCN1B;COX7A1;GRAMD1A;CLIP3;FXVD5;ZNF850;COX6B 1;LGI4	0.38047	2.602814	0.010059	0.24648
	0.314499	2.602538	0.010067	0.246481
UNC13B;CLTA;TLN1;HINT2;RUSC2;GLIPR2;RECK AK3	-0.42925	-2.60045	0.010126	0.246917
PDCD1	0.320499	2.600831	0.010115	0.246838
	0.405186	2.603013	0.010054	0.246462
	0.222662	2.600322	0.01013	0.246941
NES;LRRC71	-0.24282	-2.60085	0.010115	0.246838
	0.214969	2.598831	0.010172	0.247416
	0.232411	2.603736	0.010033	0.246243
	0.286862	2.599986	0.010139	0.247067
CARD8	0.25843	2.601976	0.010083	0.24665
	0.16033	2.597167	0.01022	0.247941
	-0.22178	-2.59855	0.01018	0.24755
HEBP1;ETV6	-0.45591	-2.60041	0.010127	0.246918
	0.241591	2.601508	0.010096	0.246745
	-0.30714	-2.60124	0.010104	0.246807
MAP4;PTH1R;KIF9;DHX30	-0.3055	-2.59981	0.010144	0.247105
LRRC56;DEAF1;TSPAN4;B4GALNT4;MUC5AC;CD151;MUC5B;M OB2;SIGIRR;TALDO1	-0.43727	-2.59766	0.010206	0.247779
GPBP1	-0.44155	-2.60048	0.010125	0.246907
	0.254743	2.601682	0.010091	0.246685
	0.290929	2.603152	0.01005	0.246429
MTMR9LP	0.245894	2.602667	0.010063	0.246481
MCF2L2	-0.18372	-2.60135	0.010101	0.24677
	0.247727	2.600826	0.010115	0.246838
	-0.41333	-2.59874	0.010175	0.247465
	0.201128	2.59626	0.010246	0.248065
SFMBT2;PRKCQ	0.34774	2.601772	0.010089	0.246685
LSP1;C11orf21;C11orf89	-0.41071	-2.60298	0.010054	0.246462
	-0.26405	-2.59608	0.010251	0.248065
RAE1	0.421512	2.60031	0.01013	0.246941
	-0.25004	-2.59982	0.010144	0.247105
CHCHD1	-0.32734	-2.60294	0.010056	0.246475
	0.363362	2.602987	0.010054	0.246462
LCK;LAPTM5	-0.29894	-2.60024	0.010132	0.246966
	-0.25497	-2.6021	0.010079	0.246602
	-0.17397	-2.59889	0.01017	0.247402
GMDS;RIPK1;SERPINB1	-0.31167	-2.59963	0.010149	0.247185
	0.297459	2.598916	0.01017	0.2474
SOX18	-0.26315	-2.60112	0.010107	0.246821
	0.221375	2.600548	0.010123	0.246886
	-0.38515	-2.60104	0.010109	0.246838
	0.206775	2.596886	0.010228	0.248046
	-0.20528	-2.59547	0.010268	0.248182
	-0.2496	-2.59943	0.010155	0.247215
	0.259213	2.599861	0.010143	0.247097

	-0.14212	-2.59836	0.010186	0.247605
	0.232511	2.600423	0.010127	0.246918
SCGB2A1;HRASLS2;C11orf48;FADS3;PLA2G16	-0.20187	-2.59887	0.010171	0.247402
	0.30497	2.600061	0.010137	0.247043
CASC8	-0.34695	-2.60066	0.01012	0.246854
	0.288187	2.599877	0.010142	0.247097
GDAP1L1;DNTTIP1	-0.30641	-2.59937	0.010157	0.247223
DYSF	-0.2966	-2.59419	0.010305	0.248236
ASIC1;FMNL3;WNT10B	-0.42412	-2.6017	0.010091	0.246685
	0.249847	2.597853	0.0102	0.247699
	-0.5631	-2.60018	0.010134	0.246975
	-0.14979	-2.59661	0.010236	0.248065
	0.236803	2.599472	0.010154	0.247215
	-0.28389	-2.59673	0.010232	0.248056
	0.242515	2.59747	0.010211	0.247817
ATG9B;GIMAP5;GIMAP2;GIMAP7;GIMAP4	-0.29498	-2.60234	0.010073	0.24655
	-0.15933	-2.59645	0.01024	0.248065
	-0.49508	-2.59951	0.010153	0.247215
FAM101B;C17orf97;NXN;GLOD4	0.430284	2.597896	0.010199	0.247699
	0.163543	2.598282	0.010188	0.247628
COPB2	-0.40338	-2.60159	0.010094	0.246714
	-0.36974	-2.59581	0.010259	0.248106
TBC1D10C	0.321242	2.601145	0.010106	0.24682
	0.242949	2.601217	0.010104	0.246807
IMMP2L	0.389345	2.597162	0.01022	0.247941
WDR45B;PCYT2;MAFG-AS1;TBCD;LRRC45	-0.23141	-2.59423	0.010304	0.248236
	0.261338	2.595788	0.010259	0.248106
LRRC59	-0.28729	-2.60218	0.010077	0.246591
	-0.33011	-2.59616	0.010248	0.248065
SECTM1;STRA13	0.173016	2.600532	0.010124	0.246886
SIPA1;TBC1D10C;EFEMP2;MAP3K11;CTSW;CST6;PTPRCAP;YIF1 A	0.315567	2.600681	0.01012	0.246854
	-0.24408	-2.59763	0.010206	0.24778
	0.12805	2.597934	0.010198	0.247699
	0.265169	2.601431	0.010098	0.246758
PARP12	0.205957	2.59499	0.010282	0.248182
	-0.21324	-2.59699	0.010225	0.248016
	-0.25309	-2.59617	0.010248	0.248065
	-0.36893	-2.59861	0.010178	0.247527
	-0.17873	-2.5958	0.010259	0.248106
	-0.28246	-2.59739	0.010213	0.247839
ASCC3	0.316943	2.598242	0.010189	0.247635
ZNF333	-0.25624	-2.59822	0.01019	0.247635
SUDS3	-0.36662	-2.59787	0.0102	0.247699
	-0.29224	-2.59707	0.010222	0.247975
PPP1R3B;ENSG00000254153	0.389434	2.59539	0.010271	0.248182
	0.32511	2.599743	0.010146	0.247136



GLB1;CMTM6;SUSD5;CNOT10;KRT18P15;DYNC1LI1	-0.25893	-2.59589	0.010256	0.248104
	0.24233	2.600688	0.010119	0.246854
SNORD3B-1;SNORD3D;SNORD3A	0.184829	2.599112	0.010164	0.247331
ERC1	-0.15731	-2.5985	0.010182	0.24755
ABHD11;CLDN3;LAT2;ENSG00000233369;LINC00035	-0.45414	-2.59746	0.010211	0.247817
LOXL3	-0.25071	-2.59616	0.010248	0.248065
	-0.31325	-2.59833	0.010187	0.247612
PTPRF;CDC20	-0.22971	-2.5968	0.01023	0.248056
	0.263988	2.599302	0.010159	0.247259
	0.233635	2.59925	0.01016	0.247266
	0.19545	2.596248	0.010246	0.248065
	0.164861	2.595413	0.01027	0.248182
C1QTNF1;TMC8;CBX2;USP36;ENSG00000178404;TIMP2;TNRC6C;TMC6	0.352906	2.596105	0.01025	0.248065
	0.378127	2.598185	0.010191	0.247635
	0.26938	2.598517	0.010181	0.24755
RSPH9;DNPH1;TCTE1;LRRC73;POLR1C;GLTSCR1L;DLK2;CAPN11;MRPL14;PEX6;KLC4;ENSG00000272442	-0.49552	-2.5973	0.010216	0.247887
	-0.27656	-2.60034	0.010129	0.246941
	0.242332	2.596867	0.010228	0.248046
	0.154822	2.594552	0.010295	0.248207
	0.358629	2.597968	0.010197	0.24769
	0.30756	2.593489	0.010325	0.248371
	0.273504	2.594061	0.010309	0.248268
CASZ1;APITD1;RBP7;NMNAT1	-0.39984	-2.59847	0.010182	0.247552
CSGALNACT1;LPL	0.315386	2.592696	0.010348	0.248544
	0.286044	2.595513	0.010267	0.248182
	0.301613	2.59617	0.010248	0.248065
	0.178444	2.595805	0.010259	0.248106
	-0.18456	-2.59326	0.010332	0.248371
	0.294601	2.599544	0.010152	0.247204
	-0.26906	-2.59869	0.010176	0.247483
ITGAL;SPN;CORO1A;ZNF629;ENSG00000271699;DOC2A	0.513753	2.600857	0.010115	0.246838
	-0.33416	-2.59909	0.010165	0.247331
FCHSD2;P2RY2;ENSG00000260401;PDE2A;STARD10	-0.36026	-2.59674	0.010232	0.248056
BAIAP2;LINC00482;P4HB	-0.53011	-2.59893	0.010169	0.2474
	-0.39027	-2.5949	0.010285	0.248182
EPB41L1;ERGIC3;MYL9	-0.33296	-2.5957	0.010262	0.248124
ICOSLG;TRPM2	-0.37733	-2.59943	0.010155	0.247215
	0.411881	2.599547	0.010152	0.247204
CTAGE5	-0.33769	-2.59262	0.01035	0.248544
	-0.22734	-2.59811	0.010193	0.247635
	0.28673	2.595223	0.010275	0.248182
	0.311523	2.594075	0.010308	0.248268
MMP19;LRP1;GDF11;STAT2	-0.27649	-2.59669	0.010233	0.248056
	-0.37447	-2.59477	0.010288	0.248182
	0.207785	2.599391	0.010156	0.247223

EFHD1;ATG16L1;MSL3P1	0.336824	2.596486	0.010239	0.248065
	0.341659	2.593939	0.010312	0.248311
	-0.25428	-2.59693	0.010226	0.248032
	-0.40327	-2.59613	0.010249	0.248065
B4GALNT3;NINJ2;ERC1;RAD52	-0.16447	-2.59479	0.010288	0.248182
	-0.34978	-2.59311	0.010336	0.248399
	-0.43298	-2.59837	0.010185	0.247605
	0.269666	2.596472	0.01024	0.248065
FBLN2 CAMK2B	-0.16597	-2.59955	0.010152	0.247204
	0.214214	2.594604	0.010293	0.248207
	0.453615	2.596285	0.010245	0.248065
	0.283345	2.595657	0.010263	0.248127
DPP3;CARNS1;SYT12	-0.20569	-2.59367	0.01032	0.248347
	-0.21835	-2.59676	0.010231	0.248056
	0.145019	2.594641	0.010292	0.248201
	0.249878	2.59684	0.010229	0.248051
BANP;KLHDC4	-0.31143	-2.59505	0.01028	0.248182
	0.312957	2.596945	0.010226	0.248032
	0.367866	2.596032	0.010252	0.248065
	-0.18761	-2.59814	0.010192	0.247635
LCK	0.149327	2.59797	0.010197	0.24769
	-0.52555	-2.59616	0.010248	0.248065
	0.221355	2.595167	0.010277	0.248182
	0.247082	2.598138	0.010192	0.247635
TSPAN4;TALDO1;RASSF7;ENSG00000251661;DEAF1;PKP3;ATHL1;ENSG00000250397;MUC5AC;MOB2	-0.21465	-2.59537	0.010271	0.248182
	-0.34289	-2.59752	0.01021	0.247809
	0.26913	2.596009	0.010253	0.248065
	-0.3929	-2.59675	0.010232	0.248056
ANKH;DNAH5 ITGB7 WDR65;CCDC30;FAM183A;ZMYND12;RIMKLA;HIVEP3;TMEM125;TMSB4XP1;EBNA1BP2	-0.21142	-2.5965	0.010239	0.248065
	-0.33482	-2.59425	0.010303	0.248236
	0.188952	2.593569	0.010323	0.248371
	-0.21447	-2.59408	0.010308	0.248268
GPR146;PSMG3 FMNL3;WNT10B	0.259791	2.59601	0.010253	0.248065
	0.218216	2.598115	0.010193	0.247635
	0.251087	2.595231	0.010275	0.248182
	-0.16919	-2.59397	0.010312	0.248305
HLA-F;HCP5;HLA-E;HLA-B;OR2I1P;HLA-A;PPP1R10;HLA-C;PPP1R18;PPP1R11 LCA5L;ERG;WRB	-0.43087	-2.59482	0.010287	0.248182
	0.401817	2.597595	0.010207	0.24778
	-0.40115	-2.59489	0.010285	0.248182
	0.224343	2.597402	0.010213	0.247839
ZNF837	0.245868	2.59042	0.010414	0.248969
	0.269747	2.595297	0.010273	0.248182
MANF;APEH;DOCK3;CYB561D2	0.192315	2.597138	0.01022	0.247942
	0.292955	2.595799	0.010259	0.248106

SCMH1;CITED4;MFSD2A;RIMS3;ZMPSTE24;KCNQ4	0.329855	2.595735	0.010261	0.248114
	-0.352	-2.59593	0.010255	0.248094
SEPHS2;PPP4C;TGFB1I1	0.255298	2.596614	0.010235	0.248065
	-0.29631	-2.59669	0.010233	0.248056
ANKRD36BP2;LINC00152;ENSG00000273445	0.199443	2.593668	0.01032	0.248347
	0.319951	2.597987	0.010196	0.24769
RIPK4	0.243883	2.594376	0.0103	0.248236
	-0.34817	-2.5917	0.010377	0.248788
OSR1	0.245874	2.593593	0.010322	0.248369
	-0.16248	-2.59476	0.010289	0.248182
FAM84A	0.365388	2.594718	0.01029	0.248182
	0.230265	2.596266	0.010245	0.248065
CDC42BPA;OBSCN;GJC2	-0.31709	-2.59603	0.010252	0.248065
	0.28528	2.59387	0.010314	0.248315
	0.223613	2.592492	0.010354	0.24857
	-0.36057	-2.59384	0.010315	0.248315
CGNL1;TCF12	0.282368	2.594	0.010311	0.248296
	0.316498	2.595989	0.010253	0.248065
MAF1	0.207775	2.595677	0.010262	0.248127
	-0.14911	-2.59291	0.010342	0.248461
	0.323269	2.597687	0.010205	0.247772
	0.155727	2.596332	0.010244	0.248065
EFEMP2;LTBP3;DPF2;PPP2R5B;TM7SF2;MAP4K2;NRXN2;PRDX5	0.177713	2.59494	0.010283	0.248182
	0.261102	2.593167	0.010335	0.248371
;MAP3K11;VEGFB;PLCB3;NAALADL1;PYGM;RNASEH2C;SIPA1;R	0.196405	2.594328	0.010301	0.248236
ASGRP2;STIP1;TRPT1	-0.40682	-2.59516	0.010277	0.248182
	0.277249	2.596287	0.010245	0.248065
	-0.18701	-2.59521	0.010276	0.248182
MUC5B;IFITM3;DEAF1;TSPAN4	-0.30642	-2.59624	0.010246	0.248065
FN1;ENSG00000197585;PECR;LINC00607	0.380151	2.594437	0.010298	0.24823
	-0.36528	-2.59444	0.010298	0.24823
RBM20	-0.35021	-2.59299	0.01034	0.248439
ENSG00000264198;PLXDC1;IKZF3	-0.33563	-2.59778	0.010202	0.247734
	-0.20119	-2.59501	0.010281	0.248182
MLLT4;FGFR1OP;ENSG00000231720;ENSG00000228648;C6orf	-0.53497	-2.59341	0.010328	0.248371
	-0.2426	-2.59363	0.010321	0.248357
CYB561D2;BSN;DOCK3;C3orf18;AMT;SEMA3B;NICN1	0.330732	2.594402	0.010299	0.248236
	0.37714	2.596261	0.010246	0.248065
CACNA1H;RGS11;TPSAB1;TMEM204;TMEM8A;TPSB2	-0.17753	-2.59472	0.01029	0.248182
	-0.52315	-2.59242	0.010356	0.248597
ACOT11	0.339296	2.595543	0.010266	0.248182
	-0.35713	-2.59456	0.010294	0.248207
	0.249867	2.593056	0.010338	0.248417
	0.309049	2.595416	0.01027	0.248182

	-0.37652	-2.59318	0.010334	0.248371
RNU4-1	-0.27398	-2.59611	0.01025	0.248065
TRAF3IP1;ENSG00000232306;LINC01107	0.338361	2.597612	0.010207	0.24778
APBB2;RBM47;LIMCH1;SMIM14;NSUN7	-0.2859	-2.59135	0.010387	0.248834
GIMAP7;GIMAP5;GIMAP2;GIMAP8;GIMAP6;GIMAP4;ATG9B	-0.37109	-2.59496	0.010283	0.248182
	-0.29622	-2.59447	0.010297	0.24823
	-0.21703	-2.59372	0.010319	0.248339
	0.209954	2.596249	0.010246	0.248065
	-0.39531	-2.59419	0.010305	0.248236
	0.156518	2.59716	0.01022	0.247941
CLIC1;C6orf25;LSM2	0.238783	2.593167	0.010335	0.248371
EIF2S2;GSS;ERGIC3;EDEM2;TRPC4AP	0.291021	2.591875	0.010372	0.248738
	-0.1544	-2.59337	0.010329	0.248371
	-0.28046	-2.59666	0.010234	0.248059
TRPM2;ITGB2;ENSG00000215447	-0.37631	-2.59096	0.010398	0.248894
	0.244062	2.594763	0.010289	0.248182
	0.330642	2.594707	0.01029	0.248182
NXPH3;SGCA;COL1A1;CACNA1G;ANKRD40;MYCBPAP	0.400852	2.595058	0.01028	0.248182
	0.297264	2.59304	0.010338	0.248417
ENSG00000246145;ENSG00000250869;RNA5SP268;CSPP1	0.211251	2.594747	0.010289	0.248182
	0.225606	2.59082	0.010403	0.248913
	0.26837	2.593904	0.010313	0.248315
	-0.33116	-2.59128	0.010389	0.248834
	-0.25926	-2.59529	0.010273	0.248182
AGAP2	-0.38114	-2.59453	0.010295	0.248211
	0.27553	2.593495	0.010325	0.248371
ITPKB;C1orf95	-0.32717	-2.59019	0.010421	0.249006
	0.295412	2.593832	0.010315	0.248315
	0.357648	2.59526	0.010274	0.248182
ARNT2;C15orf26	0.262594	2.594187	0.010305	0.248236
CCDC148;CYTIP	0.452386	2.596078	0.010251	0.248065
	-0.31057	-2.59345	0.010326	0.248371
	0.234315	2.594369	0.0103	0.248236
PRF1	-0.2307	-2.59513	0.010278	0.248182
	0.376276	2.594288	0.010302	0.248236
	-0.29512	-2.59481	0.010287	0.248182
PLEKHA6	-0.31118	-2.59519	0.010276	0.248182
	0.280532	2.590593	0.010409	0.248946
	0.234011	2.591188	0.010392	0.248867
	0.20246	2.593237	0.010333	0.248371
PARVB;MCAT;BIK;TTLL1;SCUBE1;PARVG;EFCAB6	-0.37382	-2.5955	0.010267	0.248182
ENSG00000267554;UNC45B;SLFN12L	-0.30875	-2.59408	0.010308	0.248268
ANXA2	-0.41408	-2.59185	0.010373	0.248743
CPT1A	-0.3055	-2.5933	0.010331	0.248371
	0.218825	2.593169	0.010335	0.248371

BAI1;PTP4A3;LY6D	-0.36014	-2.59574	0.010261	0.248114
	-0.29862	-2.59337	0.010329	0.248371
SPRY4;NR3C1;FGF1	0.329691	2.592077	0.010366	0.248686
	0.149631	2.594201	0.010305	0.248236
	0.365564	2.595101	0.010279	0.248182
PIAS1	-0.38954	-2.59489	0.010285	0.248182
CFB;DDAH2;HCP5	-0.41105	-2.59419	0.010305	0.248236
ACAP1;CTC1;VAMP2;KCTD11;CLDN7;MPDU1;FAM64A;ELP5;AR				
HGEF15;TNK1	-0.22843	-2.59281	0.010345	0.24848
	-0.2056	-2.59146	0.010384	0.248831
	0.188962	2.590896	0.0104	0.248906
	0.311779	2.589862	0.01043	0.249065
DNM1;PKN3;SLC2A8;LRSAM1;CERCAM;DPM2;SH2D3C;TBC1D1				
3;GARNL3	-0.49817	-2.58972	0.010434	0.249106
	0.153697	2.593311	0.01033	0.248371
	-0.40161	-2.59504	0.010281	0.248182
CCDC13;CCDC13-AS1;HHATL-				
AS1;POMGNT2;HHATL;ZBTB47;SEC22C	-0.38349	-2.59005	0.010425	0.249041
CD6;CD5	0.279542	2.59481	0.010287	0.248182
PDGFRA;LNK1;KDR	0.21589	2.591336	0.010388	0.248834
	-0.20687	-2.59323	0.010333	0.248371
	-0.23254	-2.59156	0.010381	0.248819
CALM2;ENSG00000260977;PIGF	-0.40731	-2.59205	0.010367	0.248686
CCDC40;ENSG00000263069;ENDOV;EIF4A3	-0.22521	-2.59458	0.010294	0.248207
	0.276551	2.591986	0.010369	0.248703
	-0.22157	-2.59374	0.010318	0.248337
	-0.3229	-2.59322	0.010333	0.248371
	-0.48452	-2.59505	0.01028	0.248182
	0.379857	2.59065	0.010408	0.248946
	0.364061	2.588931	0.010458	0.249301
	-0.26763	-2.58989	0.01043	0.249065
	0.330305	2.593788	0.010317	0.248332
	0.282957	2.593384	0.010328	0.248371
	-0.19711	-2.59331	0.010331	0.248371
	0.2508	2.594849	0.010286	0.248182
	-0.36986	-2.59218	0.010363	0.248684
KIAA1551;DENND5B	0.323992	2.592516	0.010353	0.24857
	-0.17502	-2.59289	0.010343	0.248461
ABLIM2	0.295254	2.593842	0.010315	0.248315
	-0.23365	-2.58989	0.01043	0.249065
	0.171739	2.592553	0.010352	0.24856
FNBP1	-0.34934	-2.59498	0.010282	0.248182
	0.139102	2.591561	0.010381	0.248819
	-0.20025	-2.59267	0.010349	0.248544
FAM204BP	-0.34058	-2.59469	0.010291	0.248182
	-0.19632	-2.59374	0.010318	0.248337
	0.209377	2.590993	0.010398	0.248894

COL5A1;CAMSAP1;UBAC1;OLFM1	0.335433	2.589683	0.010436	0.24912
	-0.33148	-2.59352	0.010324	0.248371
	0.281739	2.592197	0.010363	0.248684
	0.288771	2.589576	0.010439	0.249166
WBSCR17	0.247343	2.592143	0.010364	0.248686
	0.310003	2.591315	0.010388	0.248834
	-0.22569	-2.5932	0.010334	0.248371
	-0.31656	-2.59177	0.010375	0.248784
CALHM2;C10orf32;USMG5;DPCD;LDB1;NFKB2;ARL3;ENSG00000269609;KCNIP2;NT5C2;FBXW4;MGEA5	0.257846	2.592824	0.010344	0.24848
	-0.25302	-2.59248	0.010354	0.24857
	-0.33195	-2.58727	0.010506	0.249844
	-0.19348	-2.58884	0.01046	0.249301
FAM179A;RBKS	-0.21878	-2.59263	0.01035	0.248544
	0.149152	2.592174	0.010363	0.248684
	0.260984	2.591016	0.010397	0.248894
	0.219305	2.591467	0.010384	0.248831
ALPL	-0.19989	-2.59221	0.010362	0.248684
	-0.32289	-2.59063	0.010408	0.248946
	0.185545	2.590371	0.010416	0.248975
	0.216737	2.592051	0.010367	0.248686
FAM178B;ARID5A	0.271031	2.589149	0.010451	0.249241
	-0.39963	-2.59157	0.010381	0.248819
	0.340664	2.592572	0.010352	0.24856
	-0.33577	-2.59149	0.010383	0.248831
RN7SKP24;CCL19;AQP7	0.229469	2.590653	0.010407	0.248946
	0.241327	2.590636	0.010408	0.248946
	0.306481	2.59008	0.010424	0.249038
	0.241375	2.591401	0.010386	0.248834
DNM1P47	0.229361	2.591033	0.010396	0.248894
	0.143039	2.590716	0.010406	0.248944
	0.124161	2.589428	0.010443	0.249206
	0.200896	2.587647	0.010495	0.249717
RTN4IP1;ATG5	-0.38936	-2.58953	0.01044	0.249173
	-0.33411	-2.59288	0.010343	0.248461
	0.1861	2.591284	0.010389	0.248834
	-0.2492	-2.59196	0.010369	0.248703
	0.237232	2.590436	0.010414	0.248969
	-0.25737	-2.59202	0.010368	0.248691
	0.183415	2.590468	0.010413	0.248969
	0.263604	2.589891	0.01043	0.249065
	-0.25267	-2.58829	0.010476	0.249553
	-0.24949	-2.5893	0.010447	0.249206
	-0.20463	-2.59095	0.010399	0.248894
	0.227489	2.591946	0.01037	0.248703
SSU72	0.341276	2.592225	0.010362	0.248684
MIR101-1;ROR1	0.243337	2.590252	0.010419	0.248975

	0.177367	2.592277	0.01036	0.248682
	-0.26782	-2.58648	0.010529	0.250059
	0.350408	2.592623	0.01035	0.248544
WDR45B	-0.3413	-2.5929	0.010342	0.248461
	-0.17193	-2.58922	0.010449	0.249215
	-0.32467	-2.59108	0.010395	0.248894
DNAJC4;CDCA5;RPS6KA4;TRPT1;PRDX5;PPP1R14B;PLA2G16;PLCB3	-0.46368	-2.59061	0.010409	0.248946
	0.309689	2.590295	0.010418	0.248975
FAM83H-AS1;FAM83H;EXOSC4;ENSG00000255224	-0.33477	-2.59096	0.010399	0.248894
	-0.21234	-2.59143	0.010385	0.248834
	0.300795	2.591207	0.010391	0.248867
	0.309004	2.592129	0.010365	0.248686
	-0.22212	-2.58837	0.010474	0.249536
DAXX	0.212024	2.591276	0.010389	0.248834
STK10;CREBRF	-0.30956	-2.59096	0.010398	0.248894
	-0.20618	-2.58459	0.010585	0.250487
WDR66;P2RX7;LRRC43;MORN3;BCL7A;P2RX4	-0.26983	-2.58986	0.01043	0.249065
	0.194425	2.589343	0.010446	0.249206
PRDX5;CCDC88B;FERMT3	0.294658	2.590556	0.01041	0.248948
	0.339991	2.59158	0.010381	0.248819
	-0.30148	-2.5921	0.010366	0.248686
	0.226604	2.588899	0.010459	0.249301
MAP4K2;RASGRP2;CCDC88B	-0.23511	-2.58871	0.010464	0.249362
	0.214382	2.58534	0.010563	0.250313
	-0.27092	-2.59174	0.010376	0.248788
PTPRB	0.350927	2.591642	0.010379	0.248817
	0.331906	2.590957	0.010399	0.248894
FAXDC2	0.289605	2.589889	0.01043	0.249065
	0.303408	2.590892	0.010401	0.248906
USP43;WDR16;TMEM107;ARHGEF15;MYH10	-0.29215	-2.59035	0.010416	0.248975
	-0.28476	-2.59045	0.010413	0.248969
RASA3	0.22372	2.586135	0.01054	0.250168
SNORA23	-0.33188	-2.58579	0.01055	0.250286
	-0.44685	-2.58908	0.010453	0.249255
B9D1;ALDH3A2;FAM83G;FBXW10;MFAP4	-0.30752	-2.59172	0.010376	0.248788
	-0.1834	-2.58818	0.010479	0.249553
FGD5;FBLN2;GRIP2;ZFYVE20;TPRXL;TMEM43	0.325839	2.589376	0.010445	0.249206
HES6;TRAF3IP1	-0.33606	-2.58609	0.010541	0.250175
	-0.15537	-2.5856	0.010555	0.250286
	0.334395	2.589436	0.010443	0.249206
	-0.2483	-2.58975	0.010434	0.249106
	-0.19373	-2.5857	0.010552	0.250286
	0.186607	2.587804	0.010491	0.249691
ENSG00000238120;ENSG00000226328;FBLN1;CERK;RIBC2;NUP50;CELSR1;ENSG00000273243	-0.29072	-2.58369	0.010612	0.25081

DCAF8;ENSG00000225670;ENSG00000227741;ENSG00000213080;TAGLN2	-0.23816	-2.59031	0.010417	0.248975
KANK1	0.400957	2.588059	0.010483	0.249623
	0.131309	2.588888	0.010459	0.249301
	0.15524	2.58795	0.010486	0.249625
WDR87	-0.31866	-2.5908	0.010403	0.248913
	0.186369	2.590781	0.010404	0.248913
BOLA3-AS1	0.223088	2.590549	0.01041	0.248948
	-0.26598	-2.5873	0.010505	0.249844
	-0.22085	-2.58868	0.010465	0.249362
	-0.26512	-2.58927	0.010448	0.249215
	-0.47944	-2.58905	0.010454	0.249255
DNAI1;KIF24;FAM166B;ENSG00000230729;C9orf24;FANCG;RN7SKP24;ENHO;CCL19	-0.23529	-2.59004	0.010425	0.249041
	0.264112	2.587919	0.010487	0.249625
DOCK3;APEH	-0.20116	-2.59001	0.010426	0.249048
	-0.35262	-2.59151	0.010383	0.248831
	0.25831	2.589339	0.010446	0.249206
GNAI3;LAMTOR5;TAF13	-0.23624	-2.58757	0.010498	0.249745
TSPY26P	-0.23401	-2.58976	0.010434	0.249106
	-0.35596	-2.59086	0.010401	0.248911
	-0.17882	-2.59131	0.010388	0.248834
	0.27765	2.589527	0.01044	0.249173
	-0.27413	-2.58822	0.010478	0.249553
	-0.29769	-2.59084	0.010402	0.248911
	-0.27329	-2.58766	0.010495	0.249717
	0.148671	2.5864	0.010532	0.250086
	0.315544	2.589206	0.01045	0.249215
ENSG00000260316	-0.16182	-2.59053	0.010411	0.248948
CACNA1C;TSPAN9;RAD51AP1;CCND2	-0.24862	-2.58651	0.010528	0.250059
	0.326695	2.589334	0.010446	0.249206
CYTIP	-0.31664	-2.58972	0.010434	0.249106
	0.324237	2.590098	0.010424	0.249038
CDH5;FAM65A;RLTPR;CMTM4;CMTM3;DPEP2;CES2;BEAN1;SLC12A4;ATP6VOD1	-0.33535	-2.58526	0.010565	0.250332
	0.349662	2.586266	0.010536	0.25013
	-0.29302	-2.58718	0.010509	0.249848
CTSW;SIPA1;BATF2;MAP4K2;RASGRP2	-0.24119	-2.59106	0.010396	0.248894
CNDP2	-0.70803	-2.589	0.010456	0.249273
EFHC1;ENSG00000231683	0.248597	2.585826	0.010549	0.250286
	0.246428	2.590355	0.010416	0.248975
	-0.20776	-2.58869	0.010465	0.249362
SLC44A4;CLIC1;NOTCH4;NELFE;HSPA1A;RNF5	-0.29697	-2.5874	0.010502	0.249835
CRISPLD2;FOXF1;FOXL1;FENDRR	-0.30969	-2.59025	0.010419	0.248975
	0.19017	2.587713	0.010493	0.249717
	-0.30362	-2.58888	0.010459	0.249301



ENSG00000223991;PPP1R7;ENSG00000233392;ENSG00000226321;PASK;BOK;SNED1;FARP2	-0.34635	-2.58256	0.010645	0.250955
	0.214257	2.589319	0.010446	0.249206
	0.363846	2.58633	0.010534	0.25011
ENSG00000253811;EBF1;ENSG00000253456;FABP6	-0.39569	-2.58826	0.010477	0.249553
	-0.19353	-2.58523	0.010566	0.250332
	0.196483	2.586936	0.010516	0.249907
	0.149942	2.588863	0.01046	0.249301
	0.664313	2.589054	0.010454	0.249255
RNF166	-0.29696	-2.58517	0.010568	0.250344
	0.345102	2.587683	0.010494	0.249717
RFX2;CATSPERD;CAPS;ZNF557	0.392558	2.584108	0.010599	0.250636
IGSF9B	-0.3065	-2.58646	0.01053	0.250059
	0.268353	2.589243	0.010449	0.249215
TRABD2B;TAL1;STIL;ENSG00000226252;CMPK1;SPATA6	0.264827	2.588533	0.010469	0.249433
	-0.34675	-2.58633	0.010534	0.25011
	0.225124	2.588313	0.010476	0.249553
HYKK	-0.23964	-2.58656	0.010527	0.250042
PARP11	-0.55442	-2.58823	0.010478	0.249553
PLCD3	-0.35071	-2.58568	0.010553	0.250286
	0.274627	2.589595	0.010438	0.249166
	0.356857	2.590087	0.010424	0.249038
ZNF213	0.321933	2.58335	0.010622	0.250901
	0.168133	2.585074	0.010571	0.250381
	-0.35818	-2.58506	0.010571	0.250381
	-0.21694	-2.58456	0.010586	0.250487
RNF8	0.250387	2.587921	0.010487	0.249625
	0.273572	2.590286	0.010418	0.248975
PDCD6;NKD2	0.358557	2.584796	0.010579	0.250487
ACAP1;PIK3R6;KCTD11	-0.2292	-2.58743	0.010502	0.249826
CAST;MCTP1	-0.32133	-2.58854	0.010469	0.249433
	0.193605	2.583858	0.010607	0.250764
LY6G5C;SLC44A4;VWA7;NELFE;CCHCR1;HSPA1L;NOTCH4;TCF19;C6orf10;HSPA1A;ENSG00000272221;TAP1	-0.25324	-2.58435	0.010592	0.250552
	0.240733	2.585926	0.010546	0.25025
	-0.20533	-2.58766	0.010495	0.249717
PPP1R7;ANKMY1;HDLBP;GPC1	0.360678	2.582851	0.010636	0.250914
	-0.19877	-2.58907	0.010454	0.249255
	-0.20726	-2.58825	0.010478	0.249553
	-0.41875	-2.58731	0.010505	0.249844
C6orf10	-0.32895	-2.58595	0.010545	0.25025
ELMO1	0.281569	2.587971	0.010486	0.249625
	-0.19924	-2.58455	0.010586	0.250487
STX16;ATP5E;VAPB;CTSZ	0.158615	2.586718	0.010522	0.250003
	0.235394	2.587245	0.010507	0.249844
ACOX3	-0.27103	-2.5866	0.010526	0.250042
	-0.21212	-2.58567	0.010553	0.250286

PLEKHG2	-0.42926	-2.58466	0.010583	0.250487
	0.131561	2.585381	0.010562	0.250313
	-0.26359	-2.58725	0.010507	0.249844
	-0.33214	-2.58515	0.010569	0.25035
	0.261448	2.586168	0.010539	0.250168
TTC9;ENSG00000259153;ENSG00000258689;COX16;ENSG0000245466	-0.27339	-2.58685	0.010518	0.249936
	0.266292	2.58716	0.010509	0.249848
SPATS2L;NDUFB3;NIF3L1;AOX1;KCTD18;ALS2CR12;SGOL2	-0.31964	-2.58447	0.010589	0.250535
BAIAP2;RNF213;SLC25A10;PCYT2	0.577166	2.588782	0.010462	0.24933
PMP22;TEKT3	0.430465	2.586966	0.010515	0.2499
WIPF1	-0.42341	-2.58374	0.01061	0.250803
	0.253376	2.587946	0.010486	0.249625
PSMB8;HLA-B;PSMB9;HLA-DRA;HCP5	0.164502	2.587265	0.010506	0.249844
CPVL	0.192529	2.584416	0.01059	0.250552
	0.140149	2.585339	0.010563	0.250313
	-0.25542	-2.58657	0.010527	0.250042
	0.159049	2.584568	0.010586	0.250487
ITGB7	-0.3362	-2.58804	0.010484	0.249623
	-0.21384	-2.58504	0.010572	0.250381
TBC1D2B;ADAMTS7;HMG20A;DNAJA4;ACSBG1;ADAMTS7P3;H				
YKK;CRABP1;WDR61	-0.32753	-2.58568	0.010553	0.250286
DAB2IP;PHF19;LHX6	0.47694	2.587162	0.010509	0.249848
TBX2;TBX4;ENSG00000267137	0.175238	2.580523	0.010706	0.251409
	-0.27715	-2.58792	0.010487	0.249625
	0.265595	2.586498	0.010529	0.250059
	-0.26054	-2.58692	0.010517	0.249908
	0.339009	2.585596	0.010555	0.250286
	-0.29309	-2.58488	0.010577	0.250454
	0.320499	2.586752	0.010521	0.249993
	-0.20474	-2.58818	0.01048	0.249553
	0.223568	2.581953	0.010663	0.251102
	-0.35955	-2.58762	0.010496	0.249723
ENSG00000261404	0.471218	2.579813	0.010727	0.251642
PDCD1	0.320908	2.589399	0.010444	0.249206
	-0.18611	-2.58702	0.010513	0.249873
UNC13D;TTYH2;SLC16A5;FDXR;MRPS7;GPRC5C;SLC9A3R1;HN1				
;ICT1;SAP30BP;SMIM6;ENSG00000264853;GALK1	-0.31592	-2.58185	0.010666	0.251102
	0.43547	2.585417	0.010561	0.250313
	0.231009	2.586258	0.010536	0.25013
	-0.26816	-2.58361	0.010614	0.250832
	-0.21917	-2.58736	0.010504	0.249844
	0.362125	2.585693	0.010553	0.250286
	-0.26808	-2.58586	0.010548	0.250284
	-0.31958	-2.58563	0.010554	0.250286
ENSG00000272323	-0.34161	-2.58521	0.010567	0.250332

	0.234217	2.58539	0.010561	0.250313
	0.270305	2.585725	0.010552	0.250286
	0.196849	2.583708	0.010611	0.25081
	0.22983	2.587744	0.010492	0.249717
	-0.26208	-2.58541	0.010561	0.250313
	0.264603	2.582876	0.010636	0.250914
	-0.29703	-2.58435	0.010592	0.250552
	0.244669	2.58477	0.01058	0.250487
	0.339569	2.585489	0.010559	0.250313
RAC2	0.151442	2.583307	0.010623	0.250901
ITGB7	0.222367	2.583323	0.010623	0.250901
	0.355245	2.584687	0.010582	0.250487
	0.277147	2.584358	0.010592	0.250552
	-0.60629	-2.58714	0.01051	0.249848
	-0.16942	-2.58524	0.010566	0.250332
	0.401521	2.58301	0.010632	0.250914
	-0.2364	-2.58384	0.010607	0.250764
FAM198A;CCDC13;POMGNT2	-0.34962	-2.58288	0.010636	0.250914
	-0.32193	-2.58306	0.01063	0.250914
CYP1B1;CYP1B1-AS1	0.344985	2.586624	0.010525	0.250042
	0.315259	2.583058	0.01063	0.250914
	-0.55472	-2.58599	0.010544	0.250235
	-0.29898	-2.58659	0.010526	0.250042
	-0.2263	-2.58198	0.010662	0.251102
IGKV1-5;IGKV3-20;IGKV4-1	0.1904	2.582315	0.010652	0.251021
SUN1	-0.34114	-2.58722	0.010508	0.249846
	0.209271	2.584118	0.010599	0.250636
ERGIC3;SOGA1;CPNE1;SAMHD1	-0.24815	-2.5835	0.010617	0.250867
	0.296018	2.584972	0.010574	0.250409
	-0.42804	-2.5871	0.010511	0.249852
TAS2R4	-0.23116	-2.58612	0.01054	0.250168
	0.290917	2.582118	0.010658	0.251081
	-0.33748	-2.58709	0.010512	0.249852
	0.165324	2.585445	0.01056	0.250313
	0.319509	2.583203	0.010626	0.250914
RADIL	0.353228	2.578939	0.010753	0.25189
	0.143901	2.583605	0.010614	0.250832
	0.259155	2.583753	0.01061	0.250803
APBB2;LIMCH1;RBM47	0.256666	2.584341	0.010592	0.250552
	0.253835	2.584211	0.010596	0.250615
GNG7;HMHA1;MOB3A	-0.30669	-2.58463	0.010584	0.250487
	-0.19286	-2.58417	0.010597	0.250631
	-0.18109	-2.58237	0.010651	0.251015
	0.24279	2.581469	0.010678	0.25113
CLDN7	0.248925	2.585378	0.010562	0.250313
	-0.41758	-2.58477	0.01058	0.250487
	-0.33683	-2.58541	0.010561	0.250313

	0.365663	2.587075	0.010512	0.249852
	-0.27452	-2.58187	0.010666	0.251102
	0.22636	2.584245	0.010595	0.250605
PTCH1;ERCC6L2;FANCC;HABP4;ENSG00000271314;SLC35D2;C DC14B;ENSG00000223849	0.357665	2.57873	0.010759	0.251895
	0.280913	2.583976	0.010603	0.25071
	0.228807	2.581333	0.010682	0.25116
	0.182878	2.58188	0.010665	0.251102
	0.25675	2.585574	0.010556	0.250288
	-0.31781	-2.58298	0.010633	0.250914
SEMA6B	-0.20681	-2.58235	0.010651	0.251019
ENSG00000264527;C9orf163;TUBB4B;PTGDS;NOTCH1;LCNL1;S LC34A3;UAP1L1;GPSM1;INPP5E;GRIN1;RNF224;NRARP;SNHG7; C9orf169;TRAF2;ENTPD8;SEC16A;SNAPC4;QSOX2;EGFL7;ENSG 00000237886;CACNA1B	-0.46653	-2.58344	0.010619	0.250876
	-0.17855	-2.58309	0.010629	0.250914
	0.368541	2.584963	0.010574	0.250409
	0.250855	2.585617	0.010555	0.250286
	-0.29148	-2.58274	0.01064	0.250922
	0.193247	2.582815	0.010638	0.250915
	0.127388	2.581772	0.010669	0.251102
	-0.29368	-2.58078	0.010698	0.251338
	0.154506	2.586148	0.010539	0.250168
	-0.25673	-2.58342	0.01062	0.250876
	-0.17159	-2.5791	0.010748	0.251842
	0.346793	2.582423	0.010649	0.250992
	-0.35341	-2.5808	0.010697	0.251338
	0.224008	2.582465	0.010648	0.250977
LCOR	-0.40175	-2.58473	0.010581	0.250487
	-0.26099	-2.58303	0.010631	0.250914
	0.171108	2.583494	0.010617	0.250867
	-0.36233	-2.58	0.010721	0.251598
SLBP	-0.2606	-2.58387	0.010606	0.250764
	0.229878	2.580844	0.010696	0.251337
RNF157- AS1;FOXJ1;SEC14L1;ST6GALNAC2;SMIM5;SMIM6;UBALD2;SPH K1;WBP2;RNF157;TRIM47;TRIM65;FBF1;KIAA0195;RHBDF2;ITG B4;GALK1;CASKIN2	-0.28834	-2.58021	0.010715	0.251505
	0.332994	2.584102	0.010599	0.250636
ATP6V1G1;ZNF618;ENSG00000234692;AMBP;COL27A1	-0.27544	-2.5846	0.010585	0.250487
	-0.20103	-2.58279	0.010638	0.250915
	-0.34884	-2.58468	0.010582	0.250487
COL21A1	0.366599	2.584707	0.010582	0.250487
	0.259815	2.582634	0.010643	0.250933
	-0.33094	-2.58136	0.010681	0.251156
	0.248113	2.58166	0.010672	0.251117
MYRF;CHRM1;AHNAK	-0.28628	-2.58301	0.010632	0.250914

MATK;SEMA6B	-0.25631	-2.57918	0.010746	0.251825
	0.268793	2.581416	0.010679	0.251113
KLHDC8B	0.207973	2.580543	0.010705	0.251409
	-0.32178	-2.5836	0.010614	0.250832
	0.389616	2.582928	0.010634	0.250914
	0.229915	2.580863	0.010696	0.251337
TACC3	0.239053	2.581424	0.010679	0.251113
	0.254693	2.585666	0.010553	0.250286
	0.35325	2.582788	0.010638	0.250915
	0.225602	2.581728	0.01067	0.251117
	0.268074	2.581535	0.010676	0.251117
	0.198406	2.581299	0.010683	0.251117
	-0.26623	-2.58526	0.010565	0.250332
	-0.35495	-2.58324	0.010625	0.250905
NOTUM;BAIAP2;LINC00482;PCYT2	-0.24913	-2.57873	0.010759	0.251895
	0.342339	2.583115	0.010629	0.250914
	0.218923	2.57964	0.010732	0.251642
	-0.42641	-2.58301	0.010632	0.250914
GSTM5;GSTM3;KCNC4;CSF1;LAMTOR5;KCNA2;SYPL2;CEPT1;GS TM4;DRAM2	-0.32292	-2.58261	0.010644	0.250933
	-0.30505	-2.58327	0.010624	0.250905
	0.412606	2.582874	0.010636	0.250914
	0.209443	2.581775	0.010668	0.251102
	0.361629	2.582512	0.010647	0.250972
	0.251196	2.580238	0.010714	0.251499
	-0.26942	-2.58153	0.010676	0.251117
	0.175632	2.58192	0.010664	0.251102
	-0.22703	-2.58331	0.010623	0.250901
	0.213519	2.581833	0.010667	0.251102
	0.138888	2.580398	0.010709	0.251456
ABTB1	-0.2708	-2.58206	0.01066	0.251096
FGD5;FBLN2;ZFYVE20;TPRXL;GRIP2	-0.34163	-2.58307	0.01063	0.250914
	0.300159	2.583253	0.010625	0.250905
	0.246614	2.583511	0.010617	0.250867
	-0.28857	-2.57861	0.010763	0.251895
MAPK15;RHPN1;TOP1MT;RHPN1-AS1;MROH6 WSCD2;ACACB	-0.30605	-2.58104	0.01069	0.251258
	-0.26523	-2.58013	0.010717	0.251534
	-0.18929	-2.57863	0.010762	0.251895
	-0.3602	-2.58287	0.010636	0.250914
	-0.33014	-2.58343	0.010619	0.250876
	0.314994	2.582652	0.010642	0.250933
ENSG00000264057;LRRC37A3	0.223308	2.580351	0.010711	0.251475
GGT5;FAM211B	0.239657	2.577746	0.010789	0.252034
	0.319142	2.576896	0.010814	0.252215
	-0.16809	-2.57989	0.010725	0.251618
PRKAR1B	-0.32922	-2.58046	0.010707	0.251437

ENSG00000251611;TIGD4;FAM160A1;TMEM154;ENSG00000251603	0.307287	2.581453	0.010678	0.25113
	0.197843	2.580735	0.010699	0.251356
	0.316917	2.582672	0.010642	0.250933
RNF166	-0.35252	-2.58123	0.010685	0.251192
TMEM8A;TPSD1;MSLN	0.243528	2.580316	0.010712	0.251485
	0.273682	2.581997	0.010662	0.251102
	0.276185	2.58295	0.010634	0.250914
CCM2	0.393065	2.577762	0.010788	0.252034
ENSG00000262003;MYO1C	0.364967	2.576375	0.01083	0.252374
	0.446868	2.580574	0.010704	0.251409
EXOSC4	0.183062	2.582097	0.010659	0.251082
	0.234843	2.579975	0.010722	0.2516
	0.185115	2.581815	0.010667	0.251102
	0.323316	2.582715	0.010641	0.250927
FGFR1;GPR124;WHSC1L1;ENSG00000254111	0.261306	2.58029	0.010713	0.25149
	0.191011	2.57875	0.010759	0.251895
	-0.30497	-2.58106	0.01069	0.251252
	0.28631	2.578411	0.010769	0.25192
	0.248672	2.5822	0.010656	0.251051
	-0.27938	-2.58247	0.010648	0.250977
	-0.26457	-2.58126	0.010684	0.251185
	0.23989	2.582771	0.010639	0.250915
	0.301742	2.57941	0.010739	0.25172
DLG2	0.261398	2.581084	0.010689	0.251252
CYP3A5;PILRA;BAIAP2L1;BUD31;ATP5J2	-0.32895	-2.58057	0.010704	0.251409
	-0.30817	-2.5749	0.010874	0.252475
	0.379674	2.578579	0.010764	0.251895
CDHR3;EFCAB10;RINT1;PUS7	-0.32856	-2.57448	0.010887	0.252502
MEG3;HHIPL1;ENSG00000225746;MEG8;ENSG00000232018	-0.27115	-2.57798	0.010782	0.252021
	0.255157	2.574676	0.010881	0.252502
CITED4;AKIRIN1;MACF1;SMAP2;BMP8B;ZMPSTE24;KCNQ4;RIMS3	-0.30412	-2.57969	0.010731	0.251642
	0.257489	2.582133	0.010658	0.251081
TNXB;LTB	-0.2432	-2.57866	0.010761	0.251895
	0.250405	2.577674	0.010791	0.252038
	-0.19224	-2.58159	0.010674	0.251117
	-0.4062	-2.58222	0.010655	0.251049
	0.164718	2.581567	0.010675	0.251117
	0.320989	2.581208	0.010685	0.251192
	-0.19622	-2.58081	0.010697	0.251338
	0.263252	2.57857	0.010764	0.251895
	0.370154	2.581914	0.010664	0.251102
CPXM2;GPR26;LHPP	-0.31529	-2.57752	0.010796	0.252093
	0.319918	2.583076	0.01063	0.250914
PPP1R32	0.37315	2.581422	0.010679	0.25113

ENSG00000261534;TTLL11	0.389416	2.579923	0.010724	0.251609
CCT5;MARCH6	-0.39337	-2.57942	0.010739	0.25172
	0.257097	2.57877	0.010758	0.251895
	0.260747	2.580718	0.0107	0.251356
GNA12	-0.30221	-2.57993	0.010723	0.251609
	-0.25934	-2.58026	0.010714	0.251499
NDUFS6	-0.30631	-2.58177	0.010668	0.251102
KIAA1244	0.284713	2.581687	0.010671	0.251117
	0.365817	2.580868	0.010695	0.251337
STMN3;OSBPL2;GATA5;SLCO4A1;C20orf166-AS1	-0.33504	-2.5777	0.01079	0.252038
MYO1G	0.365673	2.580857	0.010696	0.251337
	0.310756	2.579711	0.01073	0.251642
	-0.33279	-2.57941	0.010739	0.25172
	-0.41211	-2.57766	0.010791	0.252038
PSMD2	-0.29169	-2.57495	0.010873	0.252475
	-0.27514	-2.57963	0.010732	0.251642
	-0.39863	-2.57973	0.010729	0.251642
AP1S3;DOCK10	-0.23952	-2.58169	0.010671	0.251117
SNAI2;EFCAB1	0.488876	2.577344	0.010801	0.252117
PYCR1	0.219221	2.579225	0.010744	0.251808
	0.23566	2.579647	0.010732	0.251642
	0.413432	2.582266	0.010654	0.251033
	0.175237	2.577298	0.010802	0.252117
B4GALT5	-0.32556	-2.582	0.010662	0.251102
TSPAN15;TET1;STOX1	-0.28063	-2.57974	0.010729	0.251642
	-0.32656	-2.58164	0.010672	0.251117
	-0.15996	-2.57907	0.010749	0.251845
TSPAN18;MAPK8IP1;ALX4;ENSG00000254664	0.202326	2.578227	0.010774	0.251941
	-0.24279	-2.57928	0.010743	0.251784
	0.205099	2.575435	0.010858	0.252445
	-0.15339	-2.57846	0.010767	0.25192
	0.290563	2.580638	0.010702	0.251398
	-0.2542	-2.57897	0.010752	0.25189
	0.271303	2.581118	0.010688	0.251242
	-0.42872	-2.57897	0.010752	0.25189
STAT5A	0.347325	2.58005	0.01072	0.251575
	0.29509	2.582303	0.010653	0.251021
	-0.28943	-2.57312	0.010929	0.252882
ZNF440;AP1M2;ZNF627;KANK2;CDKN2D	-0.34285	-2.57703	0.01081	0.252183
	-0.26596	-2.58162	0.010673	0.251117
	0.295326	2.57734	0.010801	0.252117
ATG7	-0.32338	-2.57962	0.010733	0.251642
	-0.18343	-2.57848	0.010767	0.25192
	-0.31312	-2.57774	0.010789	0.252034
	-0.22862	-2.58261	0.010644	0.250933
	-0.34428	-2.58055	0.010705	0.251409
	0.190358	2.577861	0.010785	0.252034

CAP2;RPL7P26	-0.37063	-2.57754	0.010795	0.252093
RPS26P6;RRM2B;GRHL2;YWHAZ	-0.34462	-2.57841	0.010769	0.25192
HSPA12B;ADAM33	0.185005	2.577369	0.0108	0.252117
	0.227642	2.575543	0.010855	0.252445
	0.273698	2.579145	0.010747	0.251829
	-0.25794	-2.57942	0.010739	0.25172
FENDRR;FOXF1;KIAA0513;ENSG00000262601;FOX L1;USP10;CR				
ISPLD2;COTL1;FAM92B	0.429657	2.57212	0.010959	0.253114
	0.143676	2.575065	0.01087	0.252475
ELAC2	-0.39743	-2.57963	0.010732	0.251642
ENSG00000273203	0.322769	2.579623	0.010733	0.251642
CPT1C;TEAD2;RUVBL2;PRRG2;VRK3;PIH1D1;RASIP1;FUZ;HRC	0.235592	2.57836	0.01077	0.25192
	-0.19181	-2.57815	0.010777	0.251941
	0.156709	2.571044	0.010992	0.253311
	0.308229	2.576805	0.010817	0.252237
	0.212832	2.579749	0.010729	0.251642
	0.111161	2.577804	0.010787	0.252034
FAM162B;ZUFSP	0.353952	2.572493	0.010948	0.252993
PDCD6;TPPP;SDHA	-0.39939	-2.57552	0.010856	0.252445
SLC12A4;ATP6V0D1;TMEM208;LCAT;PSMB10;PLEKHG4;SMPD3	-0.2423	-2.57722	0.010805	0.252141
	-0.29363	-2.5772	0.010805	0.252142
NUGGC;DPYSL2	-0.28257	-2.57756	0.010794	0.252093
	0.175039	2.578285	0.010773	0.25192
	-0.29504	-2.5816	0.010674	0.251117
STK32B;EVC;STX18;EVC2;CRMP1;CYTL1	-0.34291	-2.57633	0.010831	0.252393
	0.472937	2.5793	0.010742	0.251783
	-0.19243	-2.57881	0.010757	0.251895
	0.326635	2.575831	0.010846	0.252445
	-0.21546	-2.57619	0.010836	0.252409
ABCD3;ABCA4;ENSG00000226026	0.32915	2.578285	0.010773	0.25192
	0.171368	2.577833	0.010786	0.252034
	0.181044	2.575751	0.010849	0.252445
TULP3;PARP11	0.370914	2.578569	0.010764	0.251895
CDNF	0.25441	2.579592	0.010734	0.251648
	0.27427	2.575488	0.010857	0.252445
	0.31032	2.578647	0.010762	0.251895
	0.271229	2.575844	0.010846	0.252445
	0.21871	2.575395	0.01086	0.252445
CALHM2;SLK;NT5C2;OBFC1;USMG5;COL17A1	-0.37671	-2.58017	0.010716	0.251518
EIF2AK3	-0.32489	-2.5759	0.010844	0.252445
	0.266032	2.580432	0.010708	0.251446
	0.230463	2.578302	0.010772	0.25192
ENSG00000232344	-0.22357	-2.57476	0.010879	0.2525
SUN1	0.279924	2.578279	0.010773	0.25192
	0.311592	2.575555	0.010855	0.252445



ENSG00000255306;PITPNM1;MRGPRF;ALDH3B1;FAM86C2P;U NC93B1	0.340976	2.575735	0.010849	0.252445
	0.231477	2.577758	0.010788	0.252034
UQCR10	-0.22742	-2.57466	0.010882	0.252502
PDE2A	0.246849	2.573445	0.010919	0.252777
	-0.19074	-2.57425	0.010894	0.252559
	0.369016	2.576407	0.010829	0.252366
	0.285715	2.573389	0.01092	0.252777
	0.288422	2.574862	0.010876	0.252486
CNDP2	0.288692	2.575959	0.010843	0.252445
	-0.21684	-2.57596	0.010843	0.252445
	-0.23142	-2.57846	0.010767	0.25192
ECHS1	0.189137	2.576437	0.010828	0.252358
	0.261638	2.57739	0.010799	0.252117
	-0.29714	-2.57885	0.010756	0.251895
TMPRSS4	0.321388	2.578577	0.010764	0.251895
	0.211927	2.576582	0.010824	0.252338
BAIAP2;PCYT2;SLC26A11	-0.37589	-2.5773	0.010802	0.252117
	0.269973	2.576442	0.010828	0.252358
ABCC9;KCNJ8;C2CD5;ENSG00000256973	0.344257	2.575063	0.01087	0.252475
ENSG00000150076	0.275655	2.575407	0.010859	0.252445
	0.355368	2.57727	0.010803	0.252117
	-0.22923	-2.57522	0.010865	0.252475
	0.212753	2.574313	0.010892	0.252531
	0.192046	2.575029	0.010871	0.252475
ZNF423;NKD1;ENSG00000261685;ENSG00000260029;ENSG00 000205414	0.311864	2.575064	0.01087	0.252475
MRPL23;IGF2;CARS;ENSG00000255367;MRPL23-AS1;NAP1L4	-0.58432	-2.57341	0.01092	0.252777
	0.314854	2.578624	0.010762	0.251895
	-0.16492	-2.57613	0.010837	0.25241
	0.174231	2.575116	0.010868	0.252475
	0.232352	2.576241	0.010834	0.252409
	-0.43378	-2.57449	0.010887	0.252502
RQCD1;TNS1;STK11IP;TTLL4;STK16;SPEG;GLB1L;ZNF142	-0.31358	-2.57493	0.010874	0.252475
P2RX4;P2RX7;LRRC43;WDR66;BCL7A	-0.25498	-2.57616	0.010837	0.252409
CORO1A;ITGAL;SPN;CD19;C16orf54;ZNF48;ZNF768	0.354013	2.578201	0.010775	0.251941
	0.266332	2.576521	0.010826	0.252341
	0.284262	2.57893	0.010753	0.25189
	-0.27181	-2.57581	0.010847	0.252445
ENSG00000270571;MTHFD2	0.303605	2.573801	0.010908	0.252713
BCDIN3D-AS1	-0.20011	-2.57766	0.010791	0.252038
ATP8B2	-0.33338	-2.57685	0.010816	0.25223
	0.301854	2.577861	0.010785	0.252034
	0.298988	2.575279	0.010863	0.252475
	0.267867	2.578867	0.010755	0.251895
	0.25268	2.578718	0.01076	0.251895

	-0.40734	-2.57455	0.010885	0.252502
	0.232845	2.573868	0.010906	0.252711
	0.279881	2.577971	0.010782	0.252021
TSPAN1;ENSG00000226252;TAL1	0.204062	2.578129	0.010777	0.251942
	0.172182	2.574469	0.010888	0.252502
FYN	0.355818	2.577159	0.010806	0.252154
	-0.32	-2.57562	0.010853	0.252445
	0.229606	2.574453	0.010888	0.252502
ADAMTS9-AS2;ADAMTS9-AS1;SNTN	0.248131	2.574504	0.010887	0.252502
	-0.28854	-2.57789	0.010784	0.252034
MMEL1	-0.14846	-2.57873	0.010759	0.251895
	0.189703	2.574329	0.010892	0.252531
	0.237657	2.57479	0.010878	0.252498
	0.286754	2.576663	0.010821	0.252309
	-0.19463	-2.57712	0.010808	0.252158
	-0.13269	-2.57521	0.010865	0.252475
	0.222461	2.575479	0.010857	0.252445
C10orf128;VSTM4	0.313719	2.574912	0.010874	0.252475
DNAJC16;KAZN;FHAD1;DDI2	-0.35198	-2.57389	0.010905	0.252711
TTYH2;SDK2;SSTR2;LINC00511	0.263405	2.575914	0.010844	0.252445
	-0.44653	-2.57914	0.010747	0.251829
RHOU	0.286346	2.576563	0.010824	0.252338
	-0.15285	-2.57618	0.010836	0.252409
	0.295027	2.578305	0.010772	0.25192
	-0.33298	-2.57597	0.010842	0.252445
	0.296559	2.573638	0.010913	0.252749
	0.366056	2.578149	0.010777	0.251941
FCHO1;MYO9B;JAK3	0.290663	2.577286	0.010803	0.252117
GPRIN3;HERC5	0.422133	2.577318	0.010802	0.252117
MORF4L1	0.291201	2.572424	0.01095	0.252993
	0.291086	2.574826	0.010877	0.252486
	0.279342	2.576487	0.010827	0.252351
RNF19B;CSMD2;YARS;SYNC;FNDC5;AK2	0.158318	2.576819	0.010817	0.252237
	0.258209	2.576084	0.010839	0.252413
	0.676341	2.576903	0.010814	0.252215
	-0.37259	-2.57516	0.010867	0.252475
SMIM15;ENSG00000249279	-0.36732	-2.57736	0.0108	0.252117
IQCA1	-0.31539	-2.57504	0.01087	0.252475
	0.398957	2.575142	0.010867	0.252475
ARPC5	0.285134	2.575744	0.010849	0.252445
	-0.16467	-2.5756	0.010853	0.252445
	0.251337	2.575425	0.010859	0.252445
	0.272359	2.578331	0.010771	0.25192
	0.259244	2.572054	0.010961	0.253119
	0.202619	2.575888	0.010845	0.252445
	0.252786	2.576166	0.010836	0.252409
	-0.21399	-2.57243	0.010949	0.252993

	-0.27878	-2.57377	0.010909	0.252713
JTB	-0.17743	-2.575	0.010872	0.252475
COBL	0.289194	2.577765	0.010788	0.252034
	-0.16189	-2.57067	0.011003	0.253369
	-0.65141	-2.57609	0.010839	0.252413
SIRT3;BRSK2;TALDO1;TSPAN4	-0.38506	-2.57539	0.01086	0.252445
	-0.52675	-2.57629	0.010832	0.252403
	-0.30583	-2.57172	0.010971	0.253175
SMYD2;PTPN14	0.284439	2.575536	0.010855	0.252445
RPL7L1	-0.29791	-2.57151	0.010978	0.253218
	0.214186	2.574575	0.010884	0.252502
MXRA7;UNC13D;HN1;CYGB;PRPSAP1;ST6GALNAC1;FDXR	-0.35169	-2.57838	0.01077	0.25192
PSMG3;GPR146;PDGFA;ENSG00000242474;MAD1L1;CYP2W1;				
PRKAR1B;SUN1;HEATR2;ENSG00000249574	-0.3256	-2.57531	0.010862	0.252475
	-0.29911	-2.57506	0.01087	0.252475
	0.319412	2.576182	0.010836	0.252409
	0.497003	2.57818	0.010776	0.251941
	0.286214	2.577486	0.010797	0.252104
TBC1D10C	-0.26016	-2.57796	0.010782	0.252021
FYN;ENSG00000226440;LAMA4;ENSG00000237234;ENSG0000				
0271208;ENSG00000270661	0.409008	2.576774	0.010818	0.252245
DSP;BMP6	-0.42445	-2.57339	0.01092	0.252777
	0.217877	2.575521	0.010856	0.252445
SH2D3C;ENG	0.292539	2.575196	0.010866	0.252475
	0.318465	2.576524	0.010826	0.252341
	-0.26375	-2.5739	0.010905	0.252711
	0.263478	2.574535	0.010886	0.252502
	-0.1724	-2.57395	0.010903	0.252711
SKAP1	0.415696	2.573013	0.010932	0.252885
AOC3;BECN1;ATP6V0A1;STAT5B;COASY;VPS25;PSME3;CNTNAP				
1;MEOX1;EZH1;RAMP2;RUNDC1;COA3;MPP2;PTRF;ENSG00000				
267221;TUBG2;VAT1	-0.36325	-2.57541	0.010859	0.252445
	0.289457	2.575493	0.010857	0.252445
	0.353563	2.57467	0.010882	0.252502
ARHGEF15;BCL6B;ENSG00000270606;MYH10;MPDU1;ATP1B2;				
NLGN2;CLDN7	0.297401	2.572703	0.010941	0.252937
SLC30A4	0.408833	2.576568	0.010824	0.252338
VEGFC;GPM6A;ASB5;SPATA4	0.339343	2.569585	0.011036	0.253575
	-0.28198	-2.57166	0.010973	0.253182
	0.298603	2.576981	0.010812	0.252197
SLC12A4	-0.16144	-2.5758	0.010847	0.252445
LIMS2;GPR17;MYO7B;GYPC	-0.352	-2.57521	0.010865	0.252475
	-0.28524	-2.57484	0.010876	0.252486
	-0.34055	-2.57708	0.010809	0.252166
CGN	-0.2362	-2.57711	0.010808	0.252158
ENSG00000257596	0.393579	2.573098	0.010929	0.252882

	0.241742	2.574172	0.010897	0.252598
	-0.37728	-2.57447	0.010888	0.252502
	0.26366	2.573871	0.010906	0.252711
	-0.26566	-2.57547	0.010857	0.252445
REEP4	-0.31949	-2.5769	0.010814	0.252215
VWA5B2;KLHL6	0.169131	2.568012	0.011085	0.253976
ZNRD1-AS1;HLA-A	-0.17232	-2.57088	0.010997	0.253358
SNHG3;SNORA73B	0.358583	2.576149	0.010837	0.252409
PTCHD3P1	0.336568	2.575634	0.010852	0.252445
VWF	-0.24982	-2.57033	0.011013	0.253387
RSPH10B;RSPH10B2;EIF2AK1;ENSG00000239696;CYTH3;FSCN1	-0.34605	-2.57475	0.010879	0.2525
RNF166;ENSG00000259881;CBFA2T3;PIEZO1;ENSG000002612				
26;SNAI3;SPIRE2	-0.2858	-2.57416	0.010897	0.252598
	-0.37154	-2.57438	0.01089	0.252531
	0.213892	2.574956	0.010873	0.252475
ZNF683	-0.30632	-2.57376	0.010909	0.252713
MLLT4;THBS2;SMOC2	-0.27131	-2.57377	0.010909	0.252713
TP53BP1;CCNDBP1;ZNF106;EPB42;SNAP23;MAP1A;ADAL;CATS				
PER2P1	-0.40315	-2.57225	0.010955	0.253055
	0.234262	2.569865	0.011028	0.25354
BANP	-0.45827	-2.5696	0.011036	0.253575
CHIC2;ENSG00000269506	-0.35258	-2.57023	0.011016	0.253403
	0.203758	2.573463	0.010918	0.252777
	-0.39525	-2.57702	0.010811	0.252183
SARS2	-0.25722	-2.57595	0.010843	0.252445
	-0.27399	-2.57436	0.010891	0.252531
	-0.17377	-2.57218	0.010957	0.253083
	0.210304	2.574901	0.010875	0.252475
MLKL	0.425327	2.575439	0.010858	0.252445
	-0.27539	-2.5728	0.010938	0.252916
TMEM63C	-0.21977	-2.57237	0.010951	0.253009
NHSL1;REPS1;KIAA1244	0.446123	2.574589	0.010884	0.252502
ZFYVE28	0.185376	2.571767	0.01097	0.253173
LRP11;CYP51A1P3	-0.46704	-2.5716	0.010975	0.253182
	-0.31203	-2.57224	0.010955	0.253055
	0.210751	2.572704	0.010941	0.252937
	0.458643	2.570902	0.010996	0.253356
	0.217229	2.573562	0.010915	0.252757
RHOH;NSUN7	-0.51122	-2.57515	0.010867	0.252475
SRR	0.224182	2.568379	0.011073	0.253851
HLA-A;HCP5;HLA-F;MICB;TRIM39	-0.60773	-2.57358	0.010914	0.252756
	-0.18659	-2.57255	0.010946	0.252992
	0.16724	2.571979	0.010963	0.253158
	0.263353	2.571888	0.010966	0.253169
	-0.29642	-2.5714	0.010981	0.253236
	-0.15286	-2.57194	0.010965	0.253169

SLC3A1	-0.35689	-2.57301	0.010932	0.252885
	0.243832	2.573632	0.010913	0.252749
	0.211485	2.573689	0.010911	0.252744
	-0.15468	-2.57071	0.011002	0.253366
	0.226779	2.573767	0.010909	0.252713
MIPEP;IPO7P2;SACS	0.350342	2.574678	0.010881	0.252502
GAS6;GAS6-AS2;TMEM255B;F10;TMCO3	0.22805	2.571799	0.010969	0.253173
HCP5;PPP1R18;HLA-E;HLA-B;LTB;MICB;HSPA1A	-0.27766	-2.57338	0.010921	0.252777
	-0.26053	-2.57339	0.01092	0.252777
HSPA8	0.295212	2.571397	0.010981	0.253236
	0.355601	2.570782	0.011	0.253366
JAK3;FCHO1;IL12RB1;MYO9B;ENSG00000254503;MAST3	-0.37673	-2.57446	0.010888	0.252502
	0.185351	2.571577	0.010975	0.253182
C1QBP	-0.28009	-2.57391	0.010905	0.252711
TGIF2	-0.32206	-2.569	0.011054	0.253701
CSPG5	-0.3529	-2.57354	0.010916	0.252759
CAPN2	0.321958	2.571211	0.010987	0.253275
	-0.38167	-2.57303	0.010931	0.252885
GLTSCR1L	-0.26094	-2.57361	0.010914	0.252749
FHL3	0.245493	2.572904	0.010935	0.252916
	0.345359	2.572632	0.010943	0.252959
	-0.15205	-2.57073	0.011001	0.253366
	0.308905	2.571229	0.010986	0.253275
	0.200901	2.570137	0.011019	0.253423
ENSG00000259881;PIEZO1	0.233918	2.568408	0.011072	0.25385
	-0.27558	-2.57137	0.010982	0.253236
	-0.23826	-2.57277	0.010939	0.252916
	0.396916	2.568997	0.011054	0.253701
	0.339874	2.573679	0.010912	0.252744
SLC16A5	0.354152	2.569266	0.011046	0.253634
	-0.2603	-2.57178	0.010969	0.253173
	0.240702	2.570487	0.011009	0.253387
	-0.25345	-2.57061	0.011005	0.253372
	-0.28558	-2.57048	0.011009	0.253387
LARP4B;DIP2C	0.363597	2.573157	0.010927	0.252882
	0.277985	2.573092	0.010929	0.252882
TSC22D4;LRCH4;SLC12A9	-0.34469	-2.57108	0.010991	0.253305
NSFL1C;ENSG00000226644;SOX12;SIRPA;TGM3;SDCBP2-AS1	-0.35713	-2.56858	0.011067	0.253824
	0.322564	2.574316	0.010892	0.252531
	0.179687	2.572467	0.010948	0.252993
	0.356826	2.569518	0.011038	0.253575
GTF2E2;LINC00589;RBPMS;DUSP4;HMBOX1;KIF13B;TMEM66; GSR	-0.41668	-2.57085	0.010998	0.253365
	-0.28507	-2.57295	0.010934	0.2529
	-0.61447	-2.57286	0.010936	0.252916
	-0.20325	-2.57118	0.010988	0.253282

	-0.1415	-2.56972	0.011032	0.253557
	0.219628	2.573133	0.010928	0.252882
	-0.18316	-2.57036	0.011013	0.253387
	0.196067	2.568338	0.011075	0.253852
	-0.32441	-2.57209	0.01096	0.253119
	0.29164	2.570781	0.011	0.253366
	0.309926	2.573187	0.010926	0.252882
	-0.28444	-2.56801	0.011085	0.253976
	0.345428	2.571887	0.010966	0.253169
FOXA1;CLEC14A;ENSG00000259087	0.35134	2.570767	0.011	0.253366
	-0.22217	-2.56777	0.011092	0.254047
PPP1R9A;COL1A2;ASB4;ENSG00000236197	-0.27919	-2.56705	0.011114	0.254192
	0.245347	2.571908	0.010965	0.253169
GRIK5;CEACAM5	-0.24995	-2.57305	0.010931	0.252885
NRROS;TCTEX1D2;MUC20;CEP19;MUC4	-0.41771	-2.57257	0.010945	0.252991
	0.346843	2.570725	0.011001	0.253366
	0.223147	2.572409	0.01095	0.252993
	0.267761	2.569486	0.011039	0.253575
	-0.22472	-2.57229	0.010954	0.253049
DYRK3;CR1L;SRGAP2;PIGR	-0.4139	-2.57205	0.010961	0.253119
NDRG1;LRRC6;TG	-0.33704	-2.57185	0.010967	0.253172
GSTK1;FAM115B	-0.31964	-2.57386	0.010906	0.252711
	-0.24233	-2.57114	0.010989	0.253283
TBC1D10C;GSTP1;UNC93B1;ALDH3B1;PTPRCAP;FAM86C2P;ENSG00000255031;TCIRG1;PPP6R3;ADRBK1	-0.2912	-2.57107	0.010991	0.253305
	0.270934	2.570446	0.01101	0.253387
RNF166;SPATA33;CBFA2T3;SPIRE2;GAS8	0.334265	2.573277	0.010924	0.252834
TRAF3IP1	-0.33778	-2.57298	0.010933	0.252895
RHOA;HIST3H2BB;OBSCN;IBA57;ABCB10;ENSG00000269890;RAB4A;TRIM11	-0.33455	-2.56884	0.011059	0.253752
	0.253888	2.57052	0.011008	0.253387
	-0.24752	-2.56951	0.011039	0.253575
AMPD3;MRVI1;WEE1	-0.50132	-2.57176	0.01097	0.253173
	0.223373	2.571238	0.010986	0.253275
	0.272739	2.571342	0.010983	0.253238
	0.248821	2.571274	0.010985	0.253272
	0.346382	2.572639	0.010943	0.252959
TJP3	-0.33098	-2.57282	0.010937	0.252916
	-0.27157	-2.56849	0.01107	0.253824
	-0.41935	-2.57282	0.010938	0.252916
	0.140587	2.572781	0.010939	0.252916
	-0.39217	-2.57099	0.010993	0.253319
ADAMTS15;TMEM45B	-0.26608	-2.57037	0.011012	0.253387
	0.384984	2.569324	0.011044	0.253607
	0.248482	2.572445	0.010949	0.252993
CD93;FOXA2	0.304072	2.57102	0.010992	0.253314
	0.268745	2.568473	0.01107	0.253826

HSPA1L;VWA7;NELFE;LY6G5C;AGPAT1;SLC44A4;TCF19;CCHCR1 ;HSPA1A	-0.28503	-2.56793	0.011087	0.25399
	-0.39087	-2.57288	0.010936	0.252916
RASAL3;SYDE1;EMR2	-0.38866	-2.5698	0.01103	0.253543
	0.384794	2.571374	0.010982	0.253236
	-0.28805	-2.56903	0.011053	0.253701
KCND3;RAP1A	-0.24286	-2.57094	0.010995	0.253344
	0.24581	2.569329	0.011044	0.253607
	-0.39355	-2.57184	0.010967	0.253172
NBEA	0.435679	2.57158	0.010975	0.253182
	0.3292	2.572446	0.010949	0.252993
	-0.35976	-2.57039	0.011012	0.253387
SAMD5	-0.29801	-2.56552	0.011161	0.254598
	-0.32215	-2.57013	0.01102	0.253423
USP48;EIF4G3	0.280539	2.571604	0.010975	0.253182
	-0.28663	-2.56994	0.011026	0.253503
	-0.35209	-2.57172	0.010971	0.253175
IQCA1;ACKR3	-0.31064	-2.56816	0.01108	0.253909
ODF2L	-0.30009	-2.56759	0.011098	0.254135
	-0.39022	-2.57019	0.011018	0.253407
ENSG00000203739	0.273219	2.570264	0.011016	0.253395
LGALS9	-0.25901	-2.56914	0.01105	0.253698
FAM83H-AS1	0.412745	2.570275	0.011015	0.253395
TBC1D10C;GSTP1;UNC93B1;FAM86C2P;ALDH3B2;ALDH3B1;CT SF;PITPNM1	-0.28418	-2.5685	0.01107	0.253824
	0.18065	2.570196	0.011018	0.253407
	0.14183	2.569654	0.011034	0.253575
	0.114586	2.567253	0.011108	0.254192
	0.248634	2.565909	0.011149	0.254477
RASGRP2;MAP4K2	-0.34048	-2.5695	0.011039	0.253575
	-0.31772	-2.57031	0.011014	0.253388
	0.206286	2.571412	0.01098	0.253236
	-0.21056	-2.57136	0.010982	0.253236
	0.239277	2.571619	0.010974	0.253182
PLIN5	-0.37356	-2.57072	0.011002	0.253366
	0.15806	2.569837	0.011029	0.253542
	-0.32912	-2.57051	0.011008	0.253387
SSU72;NADK;SKI;RER1;MEGF6	0.222201	2.57034	0.011013	0.253387
	0.337948	2.563951	0.01121	0.254878
YY1	0.252793	2.566607	0.011128	0.25438
	0.432643	2.57116	0.010988	0.253283
	0.300703	2.570435	0.01101	0.253387
	0.359686	2.568611	0.011066	0.253824
	-0.31553	-2.56881	0.01106	0.253752
PGD	-0.26695	-2.56942	0.011041	0.253594
	0.211864	2.570364	0.011012	0.253387
	-0.20261	-2.56535	0.011167	0.254628

	-0.30676	-2.56476	0.011185	0.254735
	-0.35704	-2.56834	0.011074	0.253852
ABCA3;SOX8;ENSG00000260807;TMEM204;HN1L;UNKL;TBC1D24;CCNF;TRAF7	-0.78669	-2.57009	0.011021	0.253433
ICAM3;SMARCA4;TMED1;ICAM1;ACP5;TMEM205;AP1M2	-0.24678	-2.57061	0.011005	0.253372
	-0.19557	-2.56522	0.011171	0.254665
	-0.29609	-2.56714	0.011111	0.254192
	-0.37695	-2.56366	0.011219	0.254915
	-0.36013	-2.57163	0.010974	0.253182
	0.288849	2.566554	0.011113	0.25438
	0.287763	2.566387	0.011135	0.254394
	-0.34689	-2.57068	0.011003	0.253369
	0.298336	2.569673	0.011034	0.253575
	0.240601	2.570336	0.011013	0.253387
	-0.26232	-2.56773	0.011093	0.254047
	-0.22684	-2.56721	0.011109	0.254192
	0.273357	2.569983	0.011024	0.253498
	-0.37097	-2.56851	0.011069	0.253824
SMOC2;THBS2	-0.39321	-2.56976	0.011031	0.253557
TMEM219;PPP4C	-0.22853	-2.56507	0.011175	0.254705
PSMG3	-0.29979	-2.5671	0.011113	0.254192
	0.124335	2.570638	0.011004	0.253372
LRRC6;ST3GAL1	0.292637	2.569579	0.011037	0.253575
	0.322178	2.569236	0.011047	0.253642
PIGR;DYRK3;CR1L;PFKFB2;CD46;CD34;C1orf186	-0.34206	-2.56795	0.011086	0.253988
	0.149722	2.568728	0.011063	0.253782
	0.559224	2.567551	0.011099	0.254135
	-0.26778	-2.56635	0.011136	0.254394
TMEM255B;CDC16;GAS6	0.222132	2.564179	0.011203	0.254803
CACNA1C	0.311051	2.568574	0.011067	0.253824
	-0.39745	-2.56901	0.011054	0.253701
SPEG;BCS1L;DES;OBSL1	-0.20877	-2.56796	0.011086	0.253988
	-0.36758	-2.5678	0.011091	0.25404
	-0.31979	-2.56901	0.011054	0.253701
	-0.20946	-2.5682	0.011079	0.253893
	0.402032	2.565815	0.011152	0.254489
	-0.22621	-2.56881	0.01106	0.253752
	0.127665	2.567381	0.011104	0.254159
SLC29A1;TMEM63B	-0.24934	-2.56855	0.011068	0.253824
CLDN12	0.319076	2.566186	0.011141	0.254394
PIK3C2B;FMOD;PRELP;ENSG00000227417;MDM4;PPP1R15B;CNTN2;PLEKHA6	-0.2593	-2.56618	0.011141	0.254394
LPCAT1;TPPP;PDCD6;TRIP13;NKD2	-0.38608	-2.56649	0.011131	0.25438
DUOX1;DUOXA1;SLC30A4;SORD;SPG11;ENSG00000259479	-0.27605	-2.5667	0.011125	0.254356
	0.24388	2.568904	0.011057	0.253748



FBLN2	0.454013	2.569938	0.011026	0.253503
	-0.40531	-2.56908	0.011052	0.253701
	0.284592	2.568821	0.01106	0.253752
	0.283144	2.568283	0.011076	0.253878
IL32	-0.15712	-2.56601	0.011146	0.254462
	0.232488	2.568399	0.011073	0.25385
	0.239705	2.568142	0.011081	0.253909
ARHGAP32;ETS1;FLI1;C11orf45;KCNJ5	0.354662	2.566986	0.011116	0.25422
	-0.19571	-2.56447	0.011194	0.254747
IQCA1;AGAP1	-0.37433	-2.56826	0.011077	0.253884
	0.497209	2.569324	0.011044	0.253607
C16orf46;ENSG00000261141;ENSG00000261838	-0.32859	-2.56378	0.011216	0.25491
	0.332703	2.564598	0.01119	0.254735
LINC00173	-0.55905	-2.56593	0.011149	0.254477
	0.320014	2.569823	0.011029	0.253542
	0.271664	2.56626	0.011139	0.254394
	0.230864	2.560442	0.01132	0.255601
ENSG00000261226	-0.55943	-2.5694	0.011042	0.253595
	-0.20853	-2.56953	0.011038	0.253575
	0.255258	2.567045	0.011114	0.254192
	-0.20268	-2.56725	0.011108	0.254192
	-0.33799	-2.56562	0.011158	0.254545
TFEC	-0.45718	-2.5682	0.011079	0.253893
	0.275682	2.569438	0.011041	0.253594
CD6	-0.34293	-2.56878	0.011061	0.253761
	0.340181	2.567117	0.011112	0.254192
IFFO1;CLSTN3;ANO2;VWF;SCNN1A;LEPREL2;CD9;RBP5;ENSG0000257084;GNB3;ATN1;C1RL-AS1;NTF3;MRPL51;SPSB2;C1RL	-0.27172	-2.56291	0.011243	0.254991
	-0.26216	-2.56584	0.011152	0.254488
	-0.3177	-2.56707	0.011114	0.254192
	0.19857	2.562757	0.011247	0.254995
FAM201A;ANKRD18A;SNX18P3	0.390931	2.568892	0.011058	0.253748
	-0.19476	-2.56743	0.011103	0.254152
	0.285831	2.567532	0.011099	0.254135
	-0.36557	-2.56785	0.01109	0.254021
MMP19;GDF11;ITGA7;RBMS2;ERBB3;PTGES3;SMARCC2;RDH5 SUN1	0.298898	2.564055	0.011207	0.25485
	0.255391	2.56906	0.011052	0.253701
	0.325558	2.567421	0.011103	0.254152
COX19;CYP2W1	0.419198	2.566031	0.011146	0.254459
	-0.28885	-2.56959	0.011036	0.253575
RHEB;GIMAP5 GAS6;F10;TMEM255B;TMCO3;TUBGCP3;GAS6- AS1;TFDP1;PCID2	0.446428	2.563491	0.011224	0.254936
	-0.23347	-2.56498	0.011178	0.254716
	0.199817	2.567411	0.011103	0.254152
	0.195982	2.566787	0.011122	0.25432

SLC25A42;MAST3;JAK3;FCHO1;COMP;PGPEP1	-0.33431	-2.56219	0.011265	0.255173
DENND2A;SLC37A3;KIAA1549;KDM7A;HIPK2;MKRN1;JHDM1D-AS1;TTC26;PARP12;RAB19;BRAF	-0.37972	-2.56666	0.011126	0.254368
	0.258533	2.567738	0.011093	0.254047
	0.326844	2.569743	0.011031	0.253557
ZNF638	-0.22924	-2.5662	0.01114	0.254394
FARP1;DOCK9	-0.24639	-2.56392	0.011211	0.254878
	-0.27995	-2.56708	0.011113	0.254192
	0.255025	2.565867	0.011151	0.254488
DACT3;NOVA2;HIF3A;ERCC1;ENSG00000267348;PTGIR	-0.39053	-2.56719	0.01111	0.254192
HIST3H2A;WNT9A;RHOU;RAB4A;IBA57;OBSCN;CCSAP;HIST3H2BB;ENSG00000270110	-0.33848	-2.56787	0.011089	0.254021
	0.284919	2.564682	0.011188	0.254735
	-0.26722	-2.56726	0.011108	0.254192
	-0.29769	-2.56573	0.011155	0.254492
EXOSC10	-0.24333	-2.56719	0.01111	0.254192
	0.274837	2.564568	0.011191	0.254735
C11orf74	-0.36132	-2.56639	0.011135	0.254394
	-0.19612	-2.56507	0.011176	0.254705
	0.418371	2.567437	0.011102	0.254152
	-0.27234	-2.56502	0.011177	0.254713
	0.247792	2.564515	0.011193	0.254747
	-0.1837	-2.56291	0.011243	0.254991
CYP4Z1;CYP4X1	-0.28559	-2.56544	0.011164	0.254601
KIAA1614	-0.29656	-2.56547	0.011163	0.254598
KCTD11;ACAP1	-0.27398	-2.56686	0.01112	0.254281
CSPG4;SCAMP2;COX5A	-0.28428	-2.56302	0.011239	0.254991
ENSG00000260337	-0.34057	-2.5649	0.011181	0.254716
	0.242629	2.566562	0.011129	0.25438
	-0.30277	-2.56308	0.011237	0.254981
	-0.29377	-2.5624	0.011258	0.255126
	-0.26579	-2.56652	0.01113	0.25438
FAM120B	0.43508	2.56754	0.011099	0.254135
	-0.24835	-2.56614	0.011142	0.254394
	0.26768	2.561754	0.011279	0.255271
	0.252996	2.565643	0.011158	0.254543
CMTM4;CMTM3	0.258591	2.567333	0.011106	0.254179
	0.173946	2.564955	0.011179	0.254716
	0.26114	2.564436	0.011195	0.254747
	0.269532	2.564563	0.011191	0.254735
	-0.34134	-2.56622	0.01114	0.254394
RSPO1	-0.23885	-2.5654	0.011165	0.254616
	-0.191	-2.5686	0.011067	0.253824
	0.266041	2.564585	0.011191	0.254735
YKT6	0.204284	2.562381	0.011259	0.255126
TRAC	-0.60463	-2.56575	0.011154	0.254492
PPP1R18;DDR1;DHX16;SLC44A4;CLIC1;VAR52;BAG6;LTB	-0.24993	-2.56493	0.01118	0.254716

	-0.26362	-2.56468	0.011188	0.254735
	-0.37095	-2.56347	0.011225	0.254939
	-0.33058	-2.56675	0.011124	0.254332
	0.244115	2.565047	0.011176	0.254705
RAMP1;LRRFIP1;TRAF3IP1;LINCO1107	-0.29699	-2.56856	0.011068	0.253824
	-0.22791	-2.56548	0.011163	0.254598
	0.216593	2.565262	0.011117	0.254648
EXD2;GALNT16	0.227248	2.564433	0.011195	0.254747
	0.329492	2.56421	0.011202	0.254794
	0.254198	2.564907	0.011181	0.254716
	-0.34518	-2.56579	0.011153	0.254492
	0.235487	2.564371	0.011197	0.254747
ENSG00000272841;SLC22A3	0.29267	2.561634	0.011282	0.255273
SRPRB	-0.17297	-2.5666	0.011128	0.25438
	-0.25656	-2.56615	0.011142	0.254394
	0.221786	2.561651	0.011282	0.255273
	0.141392	2.565757	0.011154	0.254492
	0.218664	2.566492	0.011131	0.25438
LINC00710;ECHDC3	0.297907	2.560786	0.011309	0.255521
CBFA2T3;SPATA33;RNF166	0.584844	2.567434	0.011102	0.254152
	-0.3072	-2.56218	0.011265	0.255173
RUNX3;PAQR7	0.251169	2.566257	0.011139	0.254394
CCDC92	-0.25828	-2.56709	0.011113	0.254192
	0.217931	2.558221	0.01139	0.256182
	0.161853	2.566218	0.01114	0.254394
	-0.22419	-2.56484	0.011182	0.254727
	0.270112	2.563621	0.01122	0.254915
	-0.23314	-2.56309	0.011237	0.254981
	0.245303	2.563617	0.011221	0.254915
MRC2	0.25913	2.56584	0.011152	0.254488
	-0.42396	-2.56648	0.011132	0.25438
	-0.40622	-2.56444	0.011195	0.254747
	-0.36072	-2.56436	0.011197	0.254747
	0.268374	2.565952	0.011148	0.254474
	0.29489	2.565386	0.011166	0.254616
	0.366138	2.565155	0.011173	0.254691
RAB11FIP1;ERLIN2	-0.45505	-2.56097	0.011303	0.255462
	0.2507	2.564856	0.011182	0.254727
	0.295904	2.566351	0.011136	0.254394
	0.274583	2.564898	0.011181	0.254716
	-0.32866	-2.56647	0.011132	0.25438
	-0.15179	-2.56218	0.011265	0.255173
	0.230996	2.566185	0.011141	0.254394
	-0.22671	-2.56618	0.011141	0.254394
CCDC40	-0.60899	-2.56368	0.011219	0.254915
	0.276105	2.563859	0.011213	0.25488
	-0.26938	-2.56693	0.011118	0.254246

EFEMP2;PYGM;CD248;LTBP3;TM7SF2;CST6;PPP2R5B;RASGRP2 ;ENSG00000254510;SIPA1;NAALADL1;ZNHIT2;SF3B2;RNASEH2 C;NRXN2;MAP4K2;EHBP1L1;SLC25A45;BANF1;YIF1A;MAP3K11; MRPL49	-0.3989	-2.56277	0.011247	0.254995
	-0.34416	-2.56461	0.01119	0.254735
WBSCR17	-0.37347	-2.56033	0.011323	0.255601
CNTN2	-0.26986	-2.56365	0.01122	0.254915
RNF166;PIEZO1;CBFA2T3;ENSG00000224888;ANKRD11;SNAI3; TRAPPC2L;ENSG00000259881	0.242379	2.563327	0.01123	0.254943
	-0.34455	-2.56051	0.011318	0.255601
	-0.19165	-2.56207	0.011269	0.25518
	-0.1847	-2.55672	0.011437	0.256557
	0.221869	2.563514	0.011224	0.254936
LIMD2;MILR1;ERN1;ACE;CD79B	0.236936	2.564727	0.011186	0.254735
	-0.16345	-2.56115	0.011298	0.255451
C8orf34	-0.36644	-2.56442	0.011196	0.254747
	0.265912	2.564116	0.011205	0.254834
EGFL7;UAP1L1;NOTCH1;ENSG00000237886;FAM69B	-0.44575	-2.5655	0.011162	0.254598
WARS	-0.30077	-2.56506	0.011176	0.254705
	-0.20552	-2.5635	0.011224	0.254936
	0.350048	2.563702	0.011218	0.254915
	-0.30967	-2.56465	0.011188	0.254735
ENSG00000234478;H3F3A;C1orf95;ITPKB;PYCR2	0.16935	2.561986	0.011271	0.255188
	0.170656	2.562245	0.011263	0.255173
IQCA1	-0.32147	-2.55923	0.011358	0.255786
	0.449068	2.564296	0.011199	0.254748
	0.165708	2.563863	0.011213	0.25488
RSPH3;EZR	-0.26532	-2.56618	0.011141	0.254394
	0.348267	2.563984	0.011209	0.254873
SPDEF	-0.21097	-2.56402	0.011208	0.254864
	-0.17171	-2.56467	0.011188	0.254735
ENSG00000257954;SPATS2;CERS5;COX14	-0.3213	-2.56175	0.011279	0.255271
AGBL3	-0.41947	-2.56354	0.011223	0.254936
	-0.22286	-2.56532	0.011168	0.254633
	0.381959	2.563229	0.011233	0.254945
	-0.22084	-2.56048	0.011318	0.255601
	0.240095	2.559215	0.011358	0.255786
HEPHL1	0.292765	2.561521	0.011286	0.255314
COPB1	0.333427	2.564715	0.011186	0.254735
	-0.2798	-2.56597	0.011148	0.254474
	0.286228	2.562695	0.011249	0.255016
	0.129475	2.56528	0.011169	0.254648
	-0.25989	-2.56431	0.011199	0.254748
PTPRU;EPB41;ENSG00000227637;TRNAU1AP;FGR;THEMIS2;AT PIF1	-0.37367	-2.5616	0.011283	0.255273
C22orf34	0.512055	2.564354	0.011198	0.254747
	-0.25962	-2.56295	0.011241	0.254991

	0.276293	2.563082	0.011237	0.254981
	0.201248	2.56431	0.011199	0.254748
NCF2	-0.40024	-2.56407	0.011206	0.25485
ACVRL1;GRASP;ACVR1B;KRT80;TENC1;AAAS;KRT18	-0.33215	-2.56106	0.0113	0.255462
	-0.22774	-2.56325	0.011232	0.254945
	0.308706	2.564564	0.011191	0.254735
SEPT4;DGKE;MSI2	0.398889	2.563314	0.01123	0.254943
	-0.14724	-2.56386	0.011213	0.25488
TSPAN4	-0.30164	-2.55992	0.011336	0.255702
	0.285016	2.564637	0.011189	0.254735
TULP3;FOXMI	-0.34976	-2.56367	0.011219	0.254915
	-0.2248	-2.56182	0.011276	0.255271
	0.195685	2.565145	0.011173	0.254691
ADRB1;AFAP1L2;DCLRE1A	0.403828	2.561133	0.011298	0.255451
	-0.20439	-2.56219	0.011265	0.255173
	0.221362	2.562258	0.011263	0.255173
	0.302263	2.561672	0.011281	0.255273
AMPD3;DKK3;MRVI1;MICALCL	0.393054	2.563424	0.011227	0.254943
	0.213404	2.563311	0.01123	0.254943
	0.301659	2.563562	0.011222	0.254936
	-0.13906	-2.56205	0.011269	0.25518
	-0.41421	-2.56439	0.011197	0.254747
FERMT2;NID2	-0.22255	-2.56393	0.011211	0.254878
DENND2C;AMPD1;VANG1;CASQ2;CD58	-0.30404	-2.562	0.011271	0.255188
	-0.18657	-2.56313	0.011236	0.254981
	0.351195	2.563269	0.011231	0.254945
PDCD6;SDHA	-0.27616	-2.56282	0.011245	0.254991
	0.314756	2.562871	0.011244	0.254991
SLFN12L;ENSG00000267554;ENSG00000267074;ENSG0000025987;ENSG00000267369;C17orf66;SLFN13;ENSG00000266956;GAS2L2;ENSG00000267046	0.54655	2.562854	0.011244	0.254991
	-0.35285	-2.55822	0.01139	0.256182
	0.372499	2.562916	0.011242	0.254991
NLGN2;CLDN7;BCL6B;KCTD11;WSCD1;MED31;SLC2A4;NLRP1	0.229544	2.560418	0.01132	0.255601
WBP2	-0.29677	-2.56239	0.011259	0.255126
	-0.35325	-2.56179	0.011278	0.255271
	-0.2377	-2.56339	0.011228	0.254943
	0.224838	2.563793	0.011215	0.25491
	-0.31138	-2.56127	0.011294	0.255415
	-0.25031	-2.56288	0.011244	0.254991
	-0.20226	-2.56207	0.011269	0.25518
	-0.15281	-2.56011	0.01133	0.255697
SLC50A1;JTB;NPR1;TDRD10;SHE;GATAD2B;MUC1;S100A8;ILF2;KCNN3	-0.27346	-2.56101	0.011302	0.255462
TAP2;HLA-DOA;HLA-DMA;TAP1	0.333396	2.561381	0.01129	0.255373
	0.305976	2.55943	0.011351	0.255755

ENSG00000249574	-0.29161	-2.55927	0.011357	0.255786
	0.308925	2.563694	0.011218	0.254915
LPCAT1;TPPP;PDCD6	-0.38621	-2.55908	0.011362	0.255812
NOVA2;EXOC3L2	-0.38502	-2.56162	0.011283	0.255273
	0.222823	2.563252	0.011232	0.254945
USP10;ENSG00000262601;ATP2C2;KIAA0513	-0.23437	-2.5613	0.011293	0.255415
EGFL7;GPSM1	0.25664	2.5628	0.011246	0.254991
	-0.24541	-2.56302	0.011239	0.254991
	0.227634	2.560045	0.011332	0.255697
	-0.22438	-2.5607	0.011311	0.255527
DOCK2;LCP2	0.280787	2.562636	0.011251	0.25504
	0.206482	2.56238	0.011259	0.255126
	-0.31296	-2.56212	0.011267	0.255177
STPG1;CLIC4;RCAN3	0.229567	2.561463	0.011288	0.255328
	0.375689	2.562851	0.011244	0.254991
	-0.27398	-2.56181	0.011277	0.255271
	0.34092	2.561771	0.011278	0.255271
	0.232075	2.560809	0.011308	0.255521
IRF4;FOXF2	0.291241	2.562599	0.011252	0.255052
	0.258979	2.562689	0.011249	0.255016
	0.26151	2.559689	0.011343	0.255708
	-0.16282	-2.56148	0.011287	0.255328
GPATCH2L;TGFB3;IFT43;LTBP2;PGF;ZC2HC1C;MLH3;TTLL5;ISCA				
2	-0.48795	-2.56213	0.011267	0.255177
CASZ1;SLC2A5	0.342785	2.559636	0.011345	0.255708
	0.351531	2.562481	0.011256	0.255122
	0.392373	2.563314	0.01123	0.254943
	0.23667	2.559947	0.011335	0.255699
	0.265468	2.561599	0.011283	0.255273
	0.256336	2.556239	0.011452	0.256575
	0.279104	2.559753	0.011341	0.255708
	0.250583	2.563165	0.011235	0.254977
	0.238465	2.560972	0.011303	0.255462
	0.259546	2.563309	0.01123	0.254943
	0.237814	2.560686	0.011312	0.255527
	-0.54471	-2.55978	0.011341	0.255708
	-0.38754	-2.55982	0.011339	0.255708
	0.286606	2.562984	0.01124	0.254991
	0.375888	2.559256	0.011357	0.255786
	-0.2059	-2.55974	0.011342	0.255708
DENND2D	0.257741	2.563329	0.01123	0.254943
	-0.28067	-2.56111	0.011299	0.255451
	-0.18523	-2.56091	0.011305	0.255488
	0.197437	2.559193	0.011359	0.255787
ZNF165;HCG14	-0.32482	-2.5604	0.011321	0.255601
	-0.38421	-2.55963	0.011345	0.255708
MPRIP;LRRC48;ENSG00000232344	0.342511	2.560067	0.011331	0.255697

EI24;STT3A;MSANTD2;PUS3	0.39689	2.560228	0.011326	0.255648
KLK11;TEAD2;PRRG2;MYH14;RRAS;CPT1C;RCN3;PIH1D1;KLK12; VRK3	-0.33255	-2.55779	0.011403	0.25628
	0.358929	2.562153	0.011266	0.255177
ARHGEF10;CLN8	-0.38157	-2.55989	0.011337	0.255708
	-0.26722	-2.55965	0.011345	0.255708
	-0.19813	-2.5628	0.011246	0.254991
ARHGEF15;ENSG00000270606;BCL6B;CLDN7;PER1	0.285938	2.557816	0.011402	0.25628
	0.290198	2.55629	0.011451	0.256575
	0.211246	2.559246	0.011357	0.255786
NKTR	0.206046	2.559629	0.011345	0.255708
	-0.22743	-2.55983	0.011339	0.255708
	0.268475	2.561124	0.011298	0.255451
SYCP2L;NEDD9;TMEM14B;MAK;C6orf52	0.456317	2.558273	0.011388	0.256182
	-0.22552	-2.55781	0.011402	0.25628
	0.228233	2.560993	0.011302	0.255462
ENSG00000226328;RIBC2;PRR5;NUP50;FBLN1;PPARA;ENSG00 000197182;ENSG00000238120;ATXN10;PHF21B	-0.32296	-2.55794	0.011398	0.25626
FXD3;ENSG00000269086	-0.24923	-2.55795	0.011398	0.25626
	-0.21659	-2.56031	0.011324	0.255601
ZNF638	-0.30441	-2.55646	0.011445	0.256566
ZBTB9;PHF1;C6orf106;SLC39A7;CUTA	0.177242	2.561098	0.011299	0.255451
KIAA0125;IGHV3-21	0.399457	2.560383	0.011322	0.255601
	-0.20735	-2.56174	0.011279	0.255271
TTC39A;TXNDC12;ENSG00000225767	0.213914	2.559493	0.011349	0.255755
	-0.27068	-2.5589	0.011368	0.255913
AMOTL1;FUT4	0.281127	2.557212	0.011421	0.256424
	-0.32491	-2.56116	0.011297	0.255451
	-0.17723	-2.55912	0.011361	0.255812
	0.309759	2.560733	0.011311	0.255521
	-0.28241	-2.56041	0.011321	0.255601
IL10RA	0.415147	2.562355	0.01126	0.25513
USP10;HSBP1	-0.3642	-2.55877	0.011372	0.25598
	0.339704	2.557899	0.0114	0.256273
	-0.28377	-2.56014	0.011329	0.255697
	0.230161	2.558972	0.011366	0.255877
LIMD2;ERN1;CD79B;MILR1;ACE	-0.4246	-2.56244	0.011257	0.255126
	-0.43251	-2.55877	0.011372	0.25598
	0.214661	2.559516	0.011349	0.255755
CST6;CTSW	-0.2321	-2.55852	0.01138	0.256082
	0.219235	2.559087	0.011362	0.255812
	0.213632	2.560846	0.011307	0.255521
PCDH12;ARAP3;SPRY4;ARHGAP26;PCDH1;KIAA0141	0.326525	2.558443	0.011383	0.256117
DIP2C;PRR26;ENSG00000272992	0.402939	2.557776	0.011404	0.25628
ABCC10;CAPN11	-0.59378	-2.56202	0.01127	0.255188
	0.325892	2.560818	0.011308	0.255521
PTGR1	0.379141	2.559956	0.011335	0.255699

ENSG00000264527;RNF224;INPP5E;SLC34A3;NACC2;C9orf163; TUBB4B;NRARP;UBAC1;LCNL1;GRIN1 LRRC34 COL13A1 ARHGAP22;WDFY4;C10orf128	-0.31338 -0.32813 -0.39235 0.322996 -0.27822 0.241846	-2.55754 -2.55592 -2.55498 2.559686 -2.55911 2.560318	0.011411 0.011462 0.011492 0.011343 0.011362 0.011324	0.256337 0.256576 0.256812 0.255708 0.255812 0.255601
ITGA5;PDE1B;ITGB7;NCKAP1L	0.350855 -0.23385 0.336934	2.561014 -2.5542 2.560024	0.011302 0.011517 0.011333	0.255462 0.256979 0.255698
TSPAN3	-0.26341 0.191376 0.186314 -0.16821 0.206812 0.143388 0.414259	-2.55555 2.559699 2.560604 -2.55949 2.559976 2.559371 2.56055	0.011474 0.011343 0.011315 0.01135 0.011334 0.011353 0.011316	0.256625 0.255708 0.255571 0.255755 0.255699 0.255769 0.255596
CRTAP;FBXL2;CNOT10	-0.29337 0.146677 0.30685	-2.55631 2.556869 2.557826	0.01145 0.011432 0.011402	0.256575 0.256518 0.25628
CACNA2D1 C17orf89 EYA1 SYNPO;HMGXB3;NDST1;PDGFRB;ENSG00000253864;MIR143H G;PCYOX1L;MIR145	0.351706 -0.31986 0.422443 0.170629 0.332162	2.559828 -2.56075 2.55658 2.560051 2.557989	0.011339 0.01131 0.011441 0.011332 0.011397	0.255708 0.255521 0.256566 0.255697 0.25626
FGF2;SPRY1;SPATA5;BBS12;LINC01091 MFSD6	-0.43088 0.268388 -0.34479	-2.55771 2.558181 -2.56075	0.011406 0.011391 0.01131	0.256287 0.256184 0.255521
TBC1D10C;PTPRCAP;GSTP1 SCARF1;ENSG00000228133	0.259446 -0.30709 0.338114	2.560063 -2.56161 2.55738	0.011332 0.011283 0.011416	0.255697 0.255273 0.256399
ENSG00000261488;CD96;C3orf52;ZBED2;SLC9C1;BTLA;ENSG00 000244720;ENSG00000239482	-0.36079 -0.27124 -0.20824 0.230896 0.22435 0.286914	-2.55715 -2.55997 -2.55398 2.559462 2.556221 2.557275	0.011423 0.011335 0.011524 0.01135 0.011453 0.011419	0.256427 0.255699 0.257037 0.255755 0.256575 0.256424
TNNI2;IFITM1;ANO9	-0.34559 -0.19456	-2.56033 -2.55946	0.011323 0.011351	0.255601 0.255755
TRAF3IP1 CDH13	-0.25992 -0.36394 0.188911 -0.3021	-2.55692 -2.56126 2.555285 -2.55983	0.011431 0.011294 0.011482 0.011339	0.256496 0.255415 0.256688 0.255708
FBXO7	-0.22539 -0.24203	-2.55351 -2.55808	0.011539 0.011394	0.257161 0.256223



IQCA1;RPL3P5;ACKR3	-0.46803	-2.55873	0.011373	0.255991
	0.283566	2.555881	0.011463	0.256576
	-0.15566	-2.55796	0.011398	0.25626
APIP	0.277521	2.554918	0.011494	0.256813
	0.186441	2.558177	0.011391	0.256184
	-0.22988	-2.55325	0.011547	0.257207
	-0.39616	-2.55938	0.011353	0.255769
	-0.27273	-2.55597	0.011461	0.256576
	-0.26607	-2.55589	0.011463	0.256576
FCGR3A;NUF2;C1orf226;C1orf111;FCGR2C INPP5D;EFHD1;B3GNT7	-0.66763	-2.55748	0.011413	0.256353
	-0.30423	-2.55925	0.011357	0.255786
	0.243962	2.558587	0.011378	0.256055
LOH12CR1	0.282472	2.55651	0.011444	0.256566
	-0.25047	-2.55402	0.011523	0.257037
	-0.3144	-2.55823	0.011389	0.256182
	-0.20236	-2.55746	0.011414	0.256357
	0.226887	2.556483	0.011444	0.256566
	0.339849	2.559301	0.011356	0.255786
MTHFD2;HK2;RTKN;SMYD5;M1AP	-0.32691	-2.55837	0.011385	0.25614
	-0.35729	-2.55663	0.01144	0.256566
SLC35A3;SLC30A7;RTCA	-0.44227	-2.55411	0.01152	0.257006
	-0.21223	-2.55494	0.011493	0.256813
	0.238925	2.558137	0.011392	0.256199
	0.282655	2.55722	0.011421	0.256424
NUGGC;HMBOX1;PBK;SCARA5;FZD3	-0.55615	-2.55835	0.011385	0.25614
	-0.22118	-2.55945	0.011351	0.255755
	0.192085	2.551182	0.011613	0.257753
	-0.22981	-2.56041	0.011321	0.255601
ANXA4;PAIP2B	0.243743	2.558511	0.01138	0.256082
	0.264305	2.557966	0.011398	0.25626
DNAJC18;ECSCR;PURA;WDR55;SPATA24;CTNNA1;IGIP;NRG2 WDR61	-0.34234	-2.55685	0.011433	0.256518
	-0.45668	-2.55598	0.01146	0.256576
	0.178501	2.555721	0.011469	0.256576
	-0.59852	-2.55705	0.011426	0.256472
	0.263178	2.557241	0.01142	0.256424
LRRC49	0.248927	2.555918	0.011462	0.256576
	-0.24385	-2.5553	0.011482	0.256688
BMPR1B BACE1	-0.33409	-2.55869	0.011375	0.256009
	-0.17532	-2.55698	0.011429	0.256483
	-0.29762	-2.55732	0.011418	0.256424
TP53I11 TEC;ATP10D;CORIN;NIPAL1	0.375583	2.556832	0.011433	0.256518
	-0.43504	-2.55657	0.011442	0.256566
	0.225829	2.558413	0.011383	0.256125
ABLIM2	0.193185	2.555704	0.011469	0.256576
	-0.44363	-2.55143	0.011605	0.257709
	-0.2465	-2.55282	0.011561	0.257315

	0.315883	2.557781	0.011403	0.25628
FAM109B	0.148301	2.556732	0.011437	0.256557
WIPF1	-0.37192	-2.55662	0.01144	0.256566
	-0.17416	-2.55543	0.011478	0.256649
SH3BP4	-0.31958	-2.55472	0.0115	0.256836
FBLN2	0.256241	2.557279	0.011419	0.256424
	0.295946	2.55624	0.011452	0.256575
	0.18702	2.556611	0.01144	0.256566
	0.242886	2.557153	0.011423	0.256427
	-0.27036	-2.55508	0.011489	0.256762
	-0.20393	-2.55571	0.011469	0.256576
	-0.28229	-2.55608	0.011457	0.256576
	-0.22548	-2.55111	0.011616	0.257766
TMC8;CBX2;C1QTNF1;ENSG00000178404;TNRC6C;TNRC6C-AS1;TMC6;DNAH17;ENSG00000267491	-0.33591	-2.55616	0.011455	0.256576
	-0.35831	-2.55586	0.011464	0.256576
	-0.2457	-2.55486	0.011496	0.256813
ANKRD35	0.309734	2.557596	0.011409	0.256326
	-0.18941	-2.55376	0.011531	0.257129
ARL16	-0.22209	-2.55437	0.011511	0.256935
	0.296864	2.556518	0.011443	0.256566
	0.137928	2.555981	0.01146	0.256576
	0.269652	2.555409	0.011478	0.256649
TP73-AS1;MEGF6;PANK4;DFFB	-0.25699	-2.55393	0.011526	0.257049
MEIS1;ENSG00000232046	0.314818	2.555397	0.011479	0.256649
TRAC;SLC7A7;RBM23	-0.40448	-2.55725	0.01142	0.256424
	-0.43195	-2.55586	0.011464	0.256576
	0.202149	2.556951	0.01143	0.256488
ZHX2;FER1L6;ENSG00000254000;TBC1D31;FER1L6-AS2;FER1L6-AS1	-0.3585	-2.55576	0.011467	0.256576
NCKAP1L;ITGA5	-0.22003	-2.55634	0.011449	0.256575
ENSG00000264198	0.28171	2.554206	0.011517	0.256979
MRPL14;TMEM63B;SLC29A1	-0.4836	-2.55635	0.011449	0.256575
	-0.26801	-2.55569	0.01147	0.256576
WDR45B;PCYT2;MAFG-AS1;C17orf62;LRRC45;NOTUM	-0.26863	-2.55271	0.011565	0.257325
PGD;SPSB1;PIK3CD;NMNAT1	-0.44803	-2.55763	0.011408	0.256316
	-0.28095	-2.55459	0.011504	0.256853
	0.192414	2.554576	0.011505	0.256853
	-0.18029	-2.55507	0.011489	0.256762
LDB2;FGFBP1	-0.29181	-2.55605	0.011458	0.256576
TIFAB;CXCL14;TCF7;PCBD2	0.332343	2.556976	0.011429	0.256483
	0.228735	2.557693	0.011406	0.256287
	-0.29199	-2.55359	0.011536	0.257129
	-0.34028	-2.55566	0.011471	0.256584
	0.297572	2.551373	0.011607	0.257712
YIPF1;TMEM59;TTC22;TCEANC2;HSPB11;ACOT11	-0.36472	-2.55332	0.011545	0.257197
	-0.33574	-2.55453	0.011506	0.256853

	0.283637	2.558627	0.011377	0.25604
	-0.35996	-2.55655	0.011442	0.256566
EPB41L1;RBL1	-0.28223	-2.55273	0.011564	0.257325
ENSG00000272686	0.285436	2.554735	0.0115	0.256836
	0.309965	2.55515	0.011487	0.256733
	-0.37301	-2.55701	0.011428	0.256483
	0.15945	2.556268	0.011451	0.256575
	0.295454	2.554081	0.011521	0.257007
	0.20414	2.55769	0.011406	0.256287
	0.316103	2.554286	0.011514	0.256958
	0.267161	2.55597	0.011461	0.256576
	0.223498	2.553095	0.011552	0.257265
	0.204321	2.555799	0.011466	0.256576
ZNF366;ENSG00000261269;ARHGEF28	0.385751	2.555828	0.011465	0.256576
ACTR3;SLC35F5	-0.40002	-2.55774	0.011405	0.256287
	0.183732	2.556311	0.01145	0.256575
ADARB1;COL6A1;COL6A2;COL18A1;ENSG00000268805;COL18				
A1-AS1;COL18A1-AS2;ENSG00000267857	0.294343	2.555453	0.011477	0.256649
MAFG-AS1;WDR45B;ENSG00000268852;C17orf62;LRRC45	-0.2989	-2.55715	0.011423	0.256427
	0.257738	2.552153	0.011582	0.257479
	0.392056	2.55667	0.011438	0.256566
PRICKLE2;PRDX3P4;SYNPR	0.284738	2.556805	0.011434	0.256524
ENSG00000255428	0.290632	2.555769	0.011467	0.256576
GBP7	-0.20483	-2.55304	0.011554	0.257265
	-0.33413	-2.55172	0.011596	0.257639
	0.273071	2.553595	0.011536	0.257129
UBE2Q1	0.122701	2.554605	0.011504	0.256853
	-0.358	-2.551	0.011619	0.257769
	0.34168	2.555471	0.011476	0.256649
	-0.21438	-2.55523	0.011484	0.256701
	0.231078	2.55635	0.011449	0.256575
	0.240932	2.552742	0.011563	0.257325
	0.288797	2.557576	0.01141	0.256327
	0.123296	2.551502	0.011603	0.257709
C16orf80;BBS2;CCDC113;CCDC135;MT3;ENSG00000260438;PR				
SS54;KATNB1	0.308018	2.554524	0.011507	0.256853
EFNB2	-0.46649	-2.55653	0.011443	0.256566
AKR7A2;KLHDC7A;NBL1;IFFO2	-0.56545	-2.55363	0.011535	0.257129
SPIRE2;CBFA2T3	-0.59694	-2.55484	0.011496	0.256813
	-0.28402	-2.55591	0.011462	0.256576
	0.31197	2.556197	0.011453	0.256576
DBR1	-0.28729	-2.55379	0.01153	0.257122
	0.334168	2.553467	0.01154	0.257161
PPIF;ZCCHC24	-0.30401	-2.55602	0.011459	0.256576
	0.139643	2.556044	0.011458	0.256576
	-0.29483	-2.55412	0.011519	0.257006

ARHGEF15;ELP5;BCL6B;NLGN2	-0.2615	-2.55208	0.011585	0.257493
ATP6V0A4;TMEM213;DGKI	-0.30671	-2.55599	0.01146	0.256576
SIPA1;NRXN2;RASGRP2;MAP4K2;SLC25A45;CD248;CTSW;CST6; TM7SF2;EFEMP2;EHD1;MAP3K11;LTBP3;PPP2R5B APLNR;SLC43A1;TIMM10;TNKS1BP1	-0.30282 0.309152 -0.22827 0.28856 0.215039 0.133477 0.293412 -0.18351 -0.16709 0.299055	-2.55454 2.554294 -2.55078 2.557123 2.556357 2.555462 2.555304 -2.55515 -2.55307 2.555757	0.011506 0.011514 0.011626 0.011424 0.011448 0.011477 0.011482 0.011487 0.011553 0.011467	0.256853 0.256958 0.2578 0.256433 0.256575 0.256649 0.256688 0.256733 0.257265 0.256576
MAP3K3	-0.30175 0.270221 -0.28674 0.295136 0.234913 -0.17259	-2.54944 2.553393 -2.55305 2.557517 2.552529 -2.55242	0.011669 0.011543 0.011553 0.011412 0.01157 0.011574	0.258144 0.257187 0.257265 0.256342 0.257399 0.257399
REER;ENSG00000227950;ENSG00000270282 AKR1C3;FAM208B;GDI2	0.32563 0.319869 0.157666 0.251758 0.30213	2.553652 2.552566 2.552823 2.552925 2.553617	0.011534 0.011569 0.011561 0.011558 0.011535	0.257129 0.257386 0.257315 0.257305 0.257129
NEK5;THSD1	0.237032 -0.35227	2.553882 -2.55372	0.011527 0.011532	0.257067 0.257129
ENSG00000226029	0.171346	2.554791	0.011498	0.256836
ADAMTS2;FLT4;ZNF354C;RNF130;GFPT2;PRDX2P3;BTNL9	-0.29175 0.301258 0.325596 -0.33742 0.274765 -0.35314 0.230879 -0.4158 0.356728	-2.55158 2.555229 2.55486 -2.55637 2.554897 -2.55302 2.55488 -2.55164 2.554281	0.011601 0.011484 0.011496 0.011448 0.011495 0.011555 0.011495 0.011599 0.011514	0.257702 0.256701 0.256813 0.256575 0.256813 0.257265 0.256813 0.257673 0.256958
SEMA6C;POGZ;S100A11;S100A10	-0.28849 -0.35461	-2.55647 -2.55028	0.011445 0.011642	0.256566 0.257971
ENSG00000213279;C22orf34	-0.28112 -0.25823	-2.55109 -2.55474	0.011616 0.0115	0.257766 0.256836
NRROS	-0.38829 0.226174	-2.55315 2.554567	0.01155 0.011505	0.257239 0.256853
FZD4;SYTL2;DLG2;ENSG00000255471;CCDC89	-0.35281 0.243781	-2.55183 2.553619	0.011593 0.011535	0.257591 0.257129
COL4A4;IRS1	0.347846	2.552502	0.011571	0.257399

JAM2;ADAMTS1;ADAMTS5;ENSG00000197934	-0.42354	-2.55559	0.011473	0.256604
	0.240655	2.552281	0.011578	0.257455
	-0.40784	-2.55367	0.011534	0.257129
	-0.23593	-2.55472	0.0115	0.256836
	-0.23359	-2.55562	0.011472	0.256596
SHANK2;CTTN;SHANK2-AS3	0.467756	2.555948	0.011461	0.256576
FGD5;GRIP2;ZFYVE20;ANKRD28;BTD;TMEM43;ENSG00000251576;ENSG00000228242;HACL1;TPRXL	-0.32235	-2.5541	0.01152	0.257006
DAXX	-0.17495	-2.54889	0.011687	0.258255
RALGAPA1;BAZ1A;SRP54;SNX6;PPP2R3C;FAM177A1;CFL2	-0.32498	-2.54708	0.011746	0.258621
	-0.27789	-2.55198	0.011588	0.257528
	0.17043	2.553935	0.011525	0.257049
	0.263433	2.55283	0.011561	0.257315
	-0.25673	-2.55442	0.01151	0.256913
	0.243522	2.552718	0.011564	0.257325
	0.24728	2.547447	0.011734	0.258509
	0.384176	2.554641	0.011503	0.256853
	0.263437	2.550246	0.011643	0.25798
SNRPD2;TOMM40	0.285715	2.547634	0.011728	0.258453
	0.253447	2.549335	0.011673	0.258144
	0.37443	2.553264	0.011547	0.257207
	0.453232	2.548659	0.011695	0.258305
EGFL7	0.187828	2.550093	0.011648	0.258062
	0.350814	2.552416	0.011574	0.257399
	0.242318	2.552462	0.011572	0.257399
	0.163397	2.550346	0.01164	0.257965
LMCD1;JAGN1;SRGAP3-AS2;EMC3	0.329324	2.553221	0.011548	0.257216
EPHA6;MINA	-0.29665	-2.55073	0.011628	0.257822
GZMB	0.206065	2.552439	0.011573	0.257399
	-0.29574	-2.55461	0.011504	0.256853
	-0.29113	-2.55135	0.011608	0.257712
ZCCHC11;GPX7;SLC1A7;LRP8	0.236744	2.553375	0.011543	0.257187
TRAPPC12-AS1	0.451924	2.553401	0.011542	0.257187
TG	-0.25076	-2.55051	0.011635	0.257916
	0.308273	2.552185	0.011581	0.257479
	-0.30495	-2.55098	0.01162	0.257769
	-0.19963	-2.54982	0.011657	0.258113
VIMP	0.258434	2.545374	0.011801	0.258993
	-0.57373	-2.54899	0.011684	0.258249
	-0.30851	-2.55063	0.011631	0.257852
	-0.18377	-2.54128	0.011935	0.260028
	-0.51246	-2.54932	0.011673	0.258144
	-0.27223	-2.55269	0.011565	0.257325
	-0.24024	-2.55263	0.011567	0.257354
	-0.20361	-2.55223	0.01158	0.257475
	-0.17691	-2.55349	0.01154	0.257161

ZNF423;NKD1 ANAPC16	0.364815	2.550423	0.011638	0.257947
	0.297416	2.54437	0.011834	0.259254
	0.284198	2.552331	0.011577	0.257439
	-0.25887	-2.55216	0.011582	0.257479
	0.262708	2.548943	0.011685	0.258253
	-0.21958	-2.55105	0.011618	0.257766
	-0.23558	-2.55146	0.011604	0.257709
	0.139443	2.548682	0.011694	0.258305
	0.213444	2.553287	0.011546	0.257207
	0.287563	2.553334	0.011544	0.257197
	-0.38247	-2.55186	0.011592	0.257583
	0.268541	2.552323	0.011577	0.257439
LCA5L;ERG;WRB	-0.4513	-2.55348	0.01154	0.257161
	0.369874	2.55269	0.011565	0.257325
	-0.31509	-2.55124	0.011611	0.257753
	-0.37275	-2.55104	0.011618	0.257766
	-0.23182	-2.55217	0.011582	0.257479
	-0.16466	-2.55123	0.011612	0.257753
	0.253737	2.553643	0.011535	0.257129
KRT15	-0.22717	-2.55047	0.011636	0.257929
	0.20765	2.550919	0.011622	0.257769
	-0.20789	-2.55165	0.011598	0.257673
	0.247257	2.550342	0.01164	0.257965
SPSB1;RBP7;SLC45A1;KIF1B	-0.4237	-2.54943	0.01167	0.258144
	-0.29136	-2.5521	0.011584	0.257488
	-0.19737	-2.5485	0.0117	0.258305
ATF4	-0.25718	-2.54918	0.011678	0.258202
	0.24874	2.553981	0.011524	0.257037
	0.232943	2.55319	0.011549	0.257224
	0.201774	2.551042	0.011618	0.257766
	0.276739	2.55004	0.01165	0.258073
	-0.20405	-2.552	0.011587	0.257528
	-0.2442	-2.55085	0.011624	0.257787
	-0.28974	-2.55249	0.011571	0.257399
	-0.25243	-2.54895	0.011685	0.258253
	0.214982	2.549759	0.011659	0.258113
SFRP4;KIAA0895;ELMO1;ANLN	0.359433	2.551472	0.011604	0.257709
	0.266554	2.551948	0.011589	0.257531
	0.258613	2.549649	0.011663	0.258121
	-0.1568	-2.55119	0.011613	0.257753
	0.366068	2.552837	0.01156	0.257315
	-0.29693	-2.55052	0.011635	0.257916
	-0.53037	-2.55145	0.011605	0.257709
	0.246015	2.550781	0.011626	0.2578
PTP4A3;ENSG00000271959	-0.32965	-2.55287	0.011559	0.257315
AKAP5;SYNE2	0.186602	2.554195	0.011517	0.256979
MYO9B;PLVAP;USHBP1;NR2F6;FAM129C;NWD1;SIN3B	-0.30119	-2.54951	0.011667	0.258144

ZBTB9;ENSG00000272288;SPDEF;PFDN6;UQCC2;IP6K3	-0.23133	-2.54652	0.011764	0.258774
	0.347855	2.545738	0.011789	0.258982
SKI;LINC00982;TP73-AS1;PRDM16;MEGF6;DFFB;RER1	0.326047	2.551971	0.011588	0.257528
TPI1P2	-0.358	-2.55037	0.011639	0.257965
	-0.23848	-2.55093	0.011621	0.257769
C11orf49;KBTBD4;HARBI1;AGBL2	-0.30302	-2.54835	0.011705	0.258321
	-0.19419	-2.55178	0.011594	0.257614
	0.19073	2.549989	0.011652	0.258083
	0.319047	2.552106	0.011584	0.257488
	-0.15515	-2.55117	0.011614	0.257753
	0.246749	2.548724	0.011692	0.258305
	0.407718	2.54843	0.011702	0.258314
BCDIN3D-AS1	0.290379	2.54972	0.01166	0.258114
	0.293065	2.551037	0.011618	0.257766
FBXO17;ZNF546;EID2B	-0.27954	-2.5472	0.011742	0.258555
	0.280501	2.550919	0.011622	0.257769
CCRL2	0.20793	2.549776	0.011658	0.258113
SH2D3C	-0.25086	-2.54369	0.011856	0.259377
	-0.294	-2.54979	0.011658	0.258113
	0.24289	2.54626	0.011772	0.258792
	0.249393	2.547007	0.011748	0.258621
CAPN2	-0.28194	-2.55093	0.011621	0.257769
	0.265874	2.54841	0.011703	0.258314
	-0.41437	-2.54526	0.011805	0.258993
	0.21054	2.549414	0.01167	0.258144
	0.221586	2.546742	0.011756	0.25869
	0.203344	2.544647	0.011825	0.259188
ENSG00000228037	0.19319	2.549548	0.011666	0.258144
	-0.24075	-2.54943	0.01167	0.258144
	0.186144	2.548496	0.0117	0.258305
ACVR1B;TFCP2;SLC11A2;BIN2	0.30218	2.553	0.011555	0.257265
DRG1	0.231629	2.550892	0.011623	0.257774
	0.303878	2.550797	0.011626	0.2578
SLC23A1;IK;TMEM173;CYSTM1;ECSCR;SPATA24;ZMAT2;PAIP2	0.253381	2.548677	0.011694	0.258305
	-0.21013	-2.55031	0.011641	0.257971
	-0.21757	-2.54974	0.01166	0.258113
HES6	-0.35352	-2.55147	0.011604	0.257709
IST1	0.327465	2.55136	0.011608	0.257712
	-0.2172	-2.54783	0.011721	0.258453
	-0.40434	-2.55118	0.011613	0.257753
RASAL3	-0.28036	-2.54813	0.011712	0.258366
	0.22332	2.547008	0.011748	0.258621
	0.19722	2.546189	0.011774	0.258792
ENSG00000235531	0.24673	2.551407	0.011606	0.257712
	-0.24086	-2.54686	0.011753	0.258631
	0.267148	2.549045	0.011682	0.258228

IQCA1	-0.3151	-2.54831	0.011706	0.258321
	-0.37608	-2.54926	0.011675	0.258173
	0.170583	2.549433	0.01167	0.258144
	-0.31218	-2.54766	0.011727	0.258453
	-0.3304	-2.54986	0.011656	0.258113
	-0.28056	-2.5492	0.011677	0.258202
	-0.3041	-2.54827	0.011707	0.258321
TXNRD3	-0.24673	-2.54858	0.011697	0.258305
TIMP2;C1QTNF1;CBX2;ENSG00000178404;ENSG00000267491; CBX8;CCDC40	-0.40653	-2.5454	0.0118	0.258993
	0.396037	2.549701	0.011661	0.258114
APOBEC4;SMG7;TRMT1L	-0.29961	-2.5483	0.011706	0.258321
	0.303961	2.549036	0.011682	0.258228
	-0.25375	-2.54801	0.011715	0.258403
	-0.14527	-2.54854	0.011698	0.258305
BTN2A2	-0.31795	-2.54963	0.011663	0.258121
	0.294745	2.54794	0.011718	0.258428
FBXO18;IL15RA;PRKCQ	0.306703	2.550046	0.01165	0.258073
	0.216176	2.547405	0.011735	0.258509
FCHSD2	0.277875	2.548249	0.011708	0.258321
	-0.22138	-2.5489	0.011687	0.258255
	0.188555	2.550004	0.011651	0.258083
	0.145233	2.549333	0.011673	0.258144
EGFEM1P;ENSG00000242268	0.48436	2.551175	0.011614	0.257753
	-0.23144	-2.54766	0.011727	0.258453
NRXN2;FERMT3;SIPA1;SLC25A45;RASGRP2;CCDC88B;BATF2	0.277765	2.549824	0.011657	0.258113
	0.252205	2.547747	0.011724	0.258453
LMO3	0.39978	2.547722	0.011725	0.258453
	0.280876	2.550653	0.01163	0.257852
HNRNPA1L2	0.277428	2.548158	0.011711	0.258359
LRP8;LDLRAD1;HSPB11;ENSG00000197015;TCEANC2;ENSG000 00270172;C1orf177;SSBP3;ENSG00000237611;DIO1;DHCR24;T TC22;BSND;GLIS1;ENSG00000226754	-0.35372	-2.54486	0.011818	0.259093
	-0.23358	-2.54967	0.011662	0.258121
RSPH3;SYTL3;ZDHHC14;EZR;DYNLT1;C6orf99	-0.40289	-2.55145	0.011605	0.257709
	-0.30992	-2.54907	0.011681	0.258228
	0.290189	2.54773	0.011725	0.258453
	0.309173	2.547731	0.011724	0.258453
LRRC4;IRF5;FLNC	0.319045	2.549097	0.01168	0.258224
TDRP	0.201031	2.545293	0.011804	0.258993
	0.170858	2.548017	0.011715	0.258403
	0.189909	2.549913	0.011654	0.258113
	0.301629	2.546385	0.011768	0.258779
	0.227096	2.547044	0.011747	0.258621
	-0.30456	-2.54983	0.011657	0.258113
PDGFB	0.195868	2.546428	0.011767	0.258779



RPS21	0.178886	2.549133	0.011679	0.258211
	0.23334	2.546169	0.011775	0.258792
HS1BP3	0.291664	2.549377	0.011671	0.258144
	-0.23091	-2.54349	0.011862	0.259428
	0.256186	2.549868	0.011656	0.258113
	0.334377	2.549165	0.011678	0.258202
SLC37A1;TMPRSS3;UBASH3A;RSPH1;ENSG00000225431;UMO				
DL1;C21orf128	0.343151	2.550649	0.01163	0.257852
FGFR4;TSPAN17;ENSG00000170089	-0.35371	-2.54511	0.01181	0.258993
	-0.2526	-2.54727	0.01174	0.258555
	0.251167	2.547468	0.011733	0.258509
PIEZO1	0.398175	2.549346	0.011672	0.258144
	-0.46565	-2.54725	0.01174	0.258555
	0.212119	2.548499	0.0117	0.258305
KCNC1	-0.39937	-2.54422	0.011838	0.259254
	0.141623	2.546361	0.011769	0.258779
	-0.27789	-2.54871	0.011693	0.258305
	-0.19912	-2.54103	0.011943	0.260062
	0.141591	2.543107	0.011875	0.259478
	0.224703	2.546931	0.01175	0.258631
CD79A;ARHGEF1	0.299445	2.544213	0.011839	0.259254
FMNL3;ASIC1;WNT10B;SPATS2;LMBR1L;TMBIM6;ENSG000002				
57954;ENSG00000258334;CERS5	-0.30497	-2.54507	0.011811	0.258993
GPR133	0.224913	2.546806	0.011754	0.258657
	0.284711	2.547415	0.011735	0.258509
STYXL1;ENSG00000227038;POR;HIP1	-0.37996	-2.54734	0.011737	0.258544
BIK	-0.25291	-2.54786	0.01172	0.258453
GNG7;GNA15;MOB3A;ZNF57	-0.31547	-2.54841	0.011703	0.258314
	-0.17501	-2.54855	0.011698	0.258305
HEATR3	-0.2908	-2.54626	0.011772	0.258792
	0.257832	2.548418	0.011702	0.258314
	-0.19653	-2.54706	0.011746	0.258621
	0.232354	2.547192	0.011742	0.258555
	0.335542	2.548711	0.011693	0.258305
	-0.44086	-2.54781	0.011722	0.258453
RNF166;SPATA33	0.423795	2.547201	0.011742	0.258555
HCP5;HLA-B;HLA-DOA;TAPSAR1;TAP1;HLA-DPA1;PSMB9;HLA-				
DPB1;GPSM3;HLA-DRA	-0.30522	-2.55028	0.011642	0.257971
	-0.29818	-2.54748	0.011733	0.258509
	-0.18672	-2.54528	0.011804	0.258993
	-0.13986	-2.54614	0.011776	0.258797
	0.263137	2.550189	0.011645	0.258007
EFCAB4B;NTF3	0.292261	2.542859	0.011883	0.259521
	-0.43869	-2.54948	0.011668	0.258144
CEACAM5	0.336441	2.545598	0.011794	0.258993
SGCD;CLINT1	-0.25832	-2.54621	0.011774	0.258792
	-0.38313	-2.54308	0.011876	0.259486

	0.222206	2.543819	0.011852	0.259314
	0.283567	2.547607	0.011728	0.258459
	-0.31491	-2.54642	0.011767	0.258779
	0.294777	2.548045	0.011714	0.258403
HIST1H4K;HIST1H2AL;HIST1H3J	-0.2845	-2.54881	0.01169	0.258285
	0.256354	2.544015	0.011845	0.259254
MCU;SPOCK2;UNC5B-AS1;CDH23	-0.3419	-2.54974	0.01166	0.258113
	0.250614	2.548885	0.011687	0.258255
ARL10	0.269851	2.549573	0.011665	0.258144
	0.395949	2.549402	0.011671	0.258144
	0.22609	2.544308	0.011836	0.259254
	0.171023	2.545677	0.011791	0.258993
	0.205408	2.547678	0.011726	0.258453
	0.285227	2.545125	0.011809	0.258993
HCP5;TAP2;HLA-DOA;TAP1;HLA-DMA	0.219406	2.548828	0.011689	0.258283
	-0.26043	-2.54774	0.011724	0.258453
	0.212038	2.546347	0.011769	0.258779
	0.286574	2.54698	0.011749	0.258626
ENSG00000254560	-0.25942	-2.54428	0.011836	0.259254
PARD6B	-0.35166	-2.5475	0.011732	0.258509
KIAA1328	-0.23487	-2.54632	0.01177	0.258779
	0.243832	2.545281	0.011804	0.258993
	0.199617	2.544216	0.011839	0.259254
CEP68	-0.39708	-2.54515	0.011808	0.258993
BATF;ANGEL1	0.234233	2.546898	0.011751	0.258631
	-0.33763	-2.54433	0.011835	0.259254
	0.168903	2.54793	0.011718	0.258428
ENSG00000187607;CDRT1	-0.35249	-2.54727	0.01174	0.258555
GPR176	-0.30604	-2.54652	0.011764	0.258774
	0.242701	2.544854	0.011818	0.259093
	0.282718	2.548253	0.011708	0.258321
	-0.27093	-2.54651	0.011764	0.258774
	0.185817	2.546215	0.011774	0.258792
PFKFB2;C1orf116;FAIM3;DYRK3	-0.3354	-2.54827	0.011707	0.258321
GPSM1;COL5A1;OLFM1	-0.16911	-2.5469	0.011752	0.258631
KPNA1;WDR5B;SEMA5B;IQCB1;ADCY5;GOLGB1;PARP9	-0.40711	-2.54556	0.011795	0.258993
GPR133	-0.3606	-2.54522	0.011806	0.258993
PEAR1;MEF2D;NES;RAB25;ARHGEF2;ASH1L;SYT11;SH2D2A;MTX1;MUC1	-0.33139	-2.54592	0.011783	0.258906
ITPKB;C1orf95	-0.28534	-2.548	0.011716	0.258403
	-0.17308	-2.54509	0.01181	0.258993
	0.233406	2.545933	0.011783	0.258906
	0.234397	2.544083	0.011843	0.259254
	0.186147	2.545303	0.011803	0.258993
	-0.22819	-2.54203	0.01191	0.259822
TFEC	-0.35572	-2.54827	0.011707	0.258321
	-0.22687	-2.54641	0.011767	0.258779

	0.314163	2.545148	0.011808	0.258993
	0.251903	2.543442	0.011864	0.259432
RASAL3;DNAJB1;TECR	-0.28689	-2.54854	0.011698	0.258305
PSMG3-AS1;HEATR2;MAD1L1;SUN1	-0.28459	-2.54512	0.011809	0.258993
HOXA3	-0.37558	-2.5466	0.011761	0.258753
	0.267008	2.548622	0.011696	0.258305
	0.322918	2.545407	0.0118	0.258993
	0.285292	2.547636	0.011728	0.258453
CYB5R1;ELF3;PTPN7;PPFIA4;RNPEP;TMEM9;PPP1R12B;NAV1	-0.3844	-2.54742	0.011735	0.258509
	-0.36091	-2.54633	0.01177	0.258779
	0.364016	2.543786	0.011853	0.259325
PDGFRB	-0.29008	-2.54553	0.011796	0.258993
	0.194593	2.545341	0.011802	0.258993
	0.239053	2.546682	0.011758	0.258706
	0.190952	2.540513	0.01196	0.260222
	0.326266	2.543581	0.011859	0.259415
	-0.23574	-2.54618	0.011775	0.258792
ZNRD1	0.275254	2.545616	0.011793	0.258993
	-0.34359	-2.54779	0.011723	0.258453
	-0.29537	-2.54491	0.011816	0.259078
ENSG00000272283	-0.27684	-2.54237	0.011899	0.259736
	-0.44571	-2.54523	0.011806	0.258993
	0.209419	2.543548	0.01186	0.259415
ENSG00000183291	0.2215	2.543431	0.011864	0.259432
	0.33373	2.54857	0.011697	0.258305
	0.241319	2.543193	0.011872	0.259462
LST1;HLA-B;HLA-C;AIF1;GPSM3;CFB;HLA-DRA;NOTCH4;NRM;LTB	-0.36586	-2.54319	0.011872	0.259462
EPB41L4B;C9orf152;PTPN3;AKAP2	-0.35826	-2.54439	0.011833	0.259254
	-0.52743	-2.54306	0.011876	0.259486
	0.298859	2.547256	0.01174	0.258555
	0.162081	2.545074	0.011811	0.258993
	-0.26109	-2.54686	0.011753	0.258631
NFAT5	0.201919	2.548213	0.011709	0.258333
	-0.17003	-2.54319	0.011872	0.259462
SYF2	0.183495	2.543191	0.011872	0.259462
	0.257066	2.545541	0.011796	0.258993
MAPK8IP1;CRY2;SYT13;TSPAN18;ALX4	-0.30096	-2.54323	0.011871	0.259462
TEX41	0.327058	2.545717	0.01179	0.258982
	-0.2267	-2.54431	0.011836	0.259254
IGDCC4;ANKDD1A;RASL12;DAPK2	-0.25073	-2.54555	0.011795	0.258993
	0.275535	2.544066	0.011844	0.259254
	0.146475	2.545718	0.01179	0.258982
	0.259405	2.541971	0.011912	0.259822
	0.219998	2.54416	0.01184	0.259254
	0.265578	2.543475	0.011863	0.259428

C1orf158	0.160343	2.542991	0.011879	0.259502
	0.25153	2.542892	0.011882	0.259521
	-0.29404	-2.54228	0.011902	0.259736
	-0.2192	-2.54059	0.011957	0.260184
	-0.31732	-2.54572	0.01179	0.258982
	-0.27333	-2.54402	0.011845	0.259254
	-0.29431	-2.54296	0.01188	0.259505
	0.260708	2.544184	0.01184	0.259254
	0.402995	2.546358	0.011769	0.258779
	-0.18534	-2.54589	0.011784	0.258909
SPIRE2 SMO;HILPDA;LRRC4;FLNC;CCDC136	-0.23034	-2.54696	0.011749	0.258626
	-0.3973	-2.54008	0.011974	0.260367
ENSG00000176349	0.193329	2.542146	0.011906	0.259786
	0.181539	2.545411	0.0118	0.258993
	0.252509	2.542591	0.011892	0.259631
	-0.16843	-2.54117	0.011939	0.260053
ENSG00000267262	-0.26054	-2.54278	0.011886	0.259543
	0.223757	2.539356	0.011998	0.260556
	-0.36035	-2.54515	0.011808	0.258993
	-0.22085	-2.54348	0.011863	0.259428
RPS18	0.294916	2.54392	0.011848	0.259295
	0.180411	2.54457	0.011827	0.259209
	0.40659	2.544588	0.011827	0.259209
	0.303614	2.539441	0.011995	0.260556
FGFR3	0.544444	2.546477	0.011765	0.258779
	0.250394	2.544471	0.01183	0.259247
C1orf158;AGTRAP;FBXO44;FBXO6;VPS13D;PLOD1;MTHFR;MAD2L2	-0.30579	-2.54193	0.011914	0.259822
	-0.26691	-2.54546	0.011798	0.258993
	0.267892	2.543914	0.011849	0.259295
	-0.18177	-2.54179	0.011918	0.259822
	0.126819	2.546046	0.011779	0.258843
BAIAP2;NPLOC4;LINC00482 PCED1B	-0.28769	-2.53918	0.012004	0.260556
	-0.2952	-2.54668	0.011758	0.258706
	0.244337	2.544543	0.011828	0.259209
PLA2G4C;PIH1D1;FUT2;TEAD2;PRRG2;HRC;CARD8;CYTH2;RRAS	-0.26206	-2.5442	0.011839	0.259254
	0.226069	2.543368	0.011866	0.259451
TTC28;MTMR3;ZNRF3;EMID1 ENSG00000227076	-0.42054	-2.54405	0.011844	0.259254
	0.335247	2.545286	0.011804	0.258993
PTPN7;KDM5B;ELF3;LAD1;UBE2T;CYB5R1;TMEM183A;RNPEP	-0.2503	-2.54473	0.011822	0.259155
	0.210482	2.535661	0.012121	0.261405
	0.344097	2.542396	0.011898	0.259735
LITAF MMEL1	-0.2849	-2.5416	0.011924	0.259893
	0.223451	2.543242	0.01187	0.259462
	0.210262	2.541638	0.011923	0.259893

	-0.1941	-2.54437	0.011834	0.259254
FABP5P7	-0.27637	-2.54045	0.011962	0.260251
BATF2	0.166877	2.543122	0.011874	0.259478
	0.189538	2.545198	0.011807	0.258993
	0.210761	2.541866	0.011916	0.259822
	0.253826	2.544045	0.011844	0.259254
	0.280173	2.543288	0.011869	0.259462
	0.371303	2.546043	0.011779	0.258843
RNF213	0.340463	2.545333	0.011802	0.258993
COL1A2;GNG11	0.317383	2.544101	0.011842	0.259254
	-0.24392	-2.54544	0.011799	0.258993
TNXB	-0.33541	-2.54084	0.011949	0.260161
	-0.23562	-2.5423	0.011901	0.259736
ESRP1	-0.34744	-2.54198	0.011912	0.259822
FKBP10;IGFBP4;KRT23	0.409072	2.54356	0.01186	0.259415
	0.217562	2.540614	0.011957	0.260184
	-0.26233	-2.54339	0.011866	0.259451
	0.28411	2.542579	0.011892	0.259631
	-0.29896	-2.54425	0.011838	0.259254
	-0.26322	-2.54454	0.011828	0.259209
TTYH2;SLC9A3R1;SDK2;SLC39A11;RAB37	0.295343	2.537212	0.012069	0.261002
	0.230237	2.539164	0.012005	0.260556
	0.235486	2.543674	0.011856	0.259378
	0.297637	2.541848	0.011916	0.259822
	-0.27754	-2.54414	0.011841	0.259254
	0.28259	2.542139	0.011907	0.259786
	0.357641	2.542981	0.011879	0.259502
	-0.25093	-2.54079	0.011951	0.260167
	0.235467	2.538767	0.012018	0.260705
MRVI1-AS1;MRVI1;LYVE1;ZBED5-AS1	-0.34879	-2.54519	0.011807	0.258993
	0.274987	2.542246	0.011903	0.259742
	-0.3201	-2.54286	0.011883	0.259521
BPIFB2;TSPY26P;BPIFB1	0.290443	2.541491	0.011928	0.259932
BNIP1	0.306208	2.544926	0.011816	0.259078
	0.238469	2.543347	0.011867	0.259452
SSBP3	0.281037	2.542787	0.011885	0.259543
CAP2	0.330424	2.544791	0.01182	0.259125
UAP1L1;LCNL1;C9orf139;EGFL7;FAM157B;PTGDS;ENSG00000235117	0.317678	2.543844	0.011851	0.25931
WDR93;ENSG00000259561;PEX11A;TICRR;CIB1	-0.23417	-2.5407	0.011954	0.260184
	0.242839	2.544306	0.011836	0.259254
CARS;MRPL23;IGF2	-0.28049	-2.54186	0.011916	0.259822
	0.334535	2.54357	0.01186	0.259415
SCMH1;CITED4;MFSD2A	-0.21503	-2.53996	0.011978	0.260386
	0.195938	2.542238	0.011903	0.259742
	0.24515	2.541375	0.011932	0.259988
SKI	0.398667	2.541155	0.011939	0.260053

ECHS1	0.270132	2.54068	0.011955	0.260184
	0.214572	2.543901	0.011849	0.259295
	0.299783	2.540363	0.011965	0.260276
	0.18441	2.538074	0.012041	0.260792
KDELR3	-0.25408	-2.54232	0.011901	0.259736
	-0.29666	-2.54466	0.011824	0.259188
	0.172079	2.541866	0.011916	0.259822
	-0.41776	-2.54097	0.011945	0.260096
	0.352865	2.543109	0.011875	0.259478
	0.35221	2.542632	0.01189	0.259619
	0.319101	2.541892	0.011915	0.259822
	0.155787	2.541685	0.011922	0.259872
	-0.28539	-2.53841	0.012029	0.260792
	-0.20547	-2.54034	0.011966	0.260282
	0.33598	2.542863	0.011883	0.259521
	-0.23643	-2.53874	0.012019	0.260708
RAB40B;SLC25A10;C17orf62;CD7;WDR45B	-0.31945	-2.5415	0.011928	0.259932
	0.334329	2.543883	0.01185	0.259295
	0.310452	2.540029	0.011976	0.26037
HCP5;DHX16;HSPA1A;MICB	0.200547	2.541226	0.011937	0.260053
	-0.31988	-2.54302	0.011878	0.259498
	0.290055	2.542078	0.011909	0.259803
	0.257236	2.543292	0.011869	0.259462
	0.293521	2.542408	0.011898	0.259735
LCK	-0.29455	-2.54113	0.01194	0.260054
	0.265238	2.538397	0.01203	0.260792
	-0.2143	-2.53916	0.012005	0.260556
EXOC3L2;SNRPD2	-0.38389	-2.53991	0.01198	0.2604
INTS5;BEST1;FEN1;TMEM258	-0.20214	-2.54179	0.011918	0.259822
STX18;STK32B;CYTL1;ENSG00000261643	0.241691	2.540093	0.011974	0.260367
DEFB1	0.224262	2.542843	0.011884	0.259521
	-0.42932	-2.54406	0.011844	0.259254
	-0.18306	-2.53852	0.012026	0.260792
	0.261486	2.540137	0.011972	0.260367
COL10A1;NIP7P3	0.256528	2.540677	0.011955	0.260184
DEGS2;MEG3;ENSG00000225746;MEG8	0.274281	2.539271	0.012001	0.260556
RBM20	0.32057	2.537094	0.012073	0.261021
P2RX7;HCAR2;P2RX4;LRRC43;BCL7A;WDR66;MORN3;KNTC1	-0.35739	-2.54081	0.01195	0.260167
	-0.15109	-2.53984	0.011982	0.260422
B3GNT5	0.258282	2.539354	0.011998	0.260556
	0.211973	2.541036	0.011943	0.260062
	0.256631	2.541117	0.01194	0.260054
	0.286427	2.537905	0.012046	0.260848
	0.254925	2.5416	0.011924	0.259893
TM4SF18;PFN2;CP;ENSG00000224831;AGTR1;ENSG00000268175;ANKUB1	-0.44318	-2.5373	0.012066	0.260994

	0.289201	2.541712	0.011921	0.259867
	0.193034	2.542319	0.011901	0.259736
	0.251362	2.54119	0.011938	0.260053
SELENBP1;CGN;RORC;GOLPH3L;CTSK;ENSG00000269621;BNIP				
L;CTSS;THEM4;ARNT;ECM1	-0.34137	-2.54186	0.011916	0.259822
	-0.23573	-2.54039	0.011964	0.260268
	-0.33627	-2.54212	0.011907	0.259787
	0.231316	2.536811	0.012083	0.261078
	-0.40205	-2.5386	0.012023	0.260749
	0.26122	2.54006	0.011975	0.260367
ZNF688;DOC2A;STX4;PHKG2;ARMC5;C16orf93	-0.25003	-2.54041	0.011963	0.260267
	0.398957	2.539453	0.011995	0.260556
RNF8	0.386414	2.539079	0.012007	0.260601
	0.218611	2.540868	0.011948	0.260152
YARS;EIF3I;TXLNA	-0.2192	-2.54272	0.011887	0.259566
	-0.26035	-2.53975	0.011985	0.260441
	-0.16934	-2.53659	0.01209	0.261125
PRDM16	-0.45463	-2.5393	0.012	0.260556
KCNMB1	-0.31502	-2.53983	0.011983	0.260422
TMC8;TMC6;TNRC6C-AS1	-0.2004	-2.53931	0.012	0.260556
	-0.34994	-2.5382	0.012036	0.260792
NCF2	-0.26226	-2.5394	0.011997	0.260556
	-0.13833	-2.53921	0.012003	0.260556
	-0.21171	-2.53948	0.011994	0.260556
	0.248499	2.540192	0.011971	0.260367
	0.233592	2.540596	0.011957	0.260184
	-0.19028	-2.54105	0.011942	0.260062
	0.269194	2.538	0.012043	0.260806
	-0.27809	-2.53734	0.012065	0.260987
	0.240719	2.538309	0.012033	0.260792
	-0.38161	-2.53758	0.012057	0.260919
METTL20	-0.28929	-2.54063	0.011956	0.260184
	0.199206	2.537809	0.012049	0.260856
	0.376842	2.541355	0.011932	0.259989
TTC22	0.311462	2.539744	0.011985	0.260441
	-0.27357	-2.53939	0.011997	0.260556
	0.226487	2.534491	0.01216	0.261663
	0.259919	2.53962	0.011989	0.260504
	0.331647	2.538106	0.01204	0.260792
	0.109487	2.540591	0.011957	0.260184
	0.263989	2.53917	0.012004	0.260556
	-0.22018	-2.53523	0.012135	0.261529
METTL2B	-0.287	-2.53782	0.012049	0.260856
	-0.29996	-2.53717	0.012071	0.261008
	0.350816	2.532965	0.012211	0.261955
	-0.36619	-2.54193	0.011913	0.259822
	0.231179	2.533887	0.01218	0.261769

ENSG00000253284	0.331815	2.541185	0.011938	0.260053
ESPN;HES2	0.353293	2.535524	0.012125	0.261435
	0.269404	2.53646	0.012094	0.261145
COL23A1;ADAMTS2;ZNF354C;N4BP3;AACSP1;DBN1;PDLIM7;L				
MAN2;RMND5B	0.228933	2.5386	0.012023	0.260749
	0.257202	2.536536	0.012092	0.261125
	0.249309	2.540001	0.011977	0.260376
	0.243314	2.54005	0.011975	0.260367
TMCO3	0.272327	2.541396	0.011931	0.259986
	0.252245	2.538468	0.012028	0.260792
TBC1D10C;PTPRCAP	0.267431	2.541829	0.011917	0.259822
	0.430283	2.538232	0.012035	0.260792
	0.250676	2.53901	0.01201	0.260623
	0.220137	2.540758	0.011952	0.260178
	-0.34814	-2.5384	0.01203	0.260792
	0.251518	2.533494	0.012193	0.261868
	-0.24143	-2.54106	0.011942	0.260062
	0.238866	2.541553	0.011926	0.259914
	-0.29205	-2.54058	0.011958	0.260184
LDB2;FGFBP1	-0.27026	-2.53139	0.012264	0.262172
	0.381823	2.536638	0.012088	0.261125
	0.488544	2.53984	0.011982	0.260422
	-0.26284	-2.53697	0.012077	0.261078
	0.233679	2.53902	0.012009	0.260623
	-0.14957	-2.53644	0.012095	0.261146
	0.261803	2.538845	0.012015	0.260675
GNL3	0.194205	2.538827	0.012016	0.260675
	0.450532	2.539458	0.011995	0.260556
SOBP;FOXO3	-0.29571	-2.53846	0.012028	0.260792
	-0.24007	-2.53976	0.011985	0.260441
	0.309038	2.537378	0.012064	0.260986
KIF26A	0.313673	2.534149	0.012171	0.261741
	-0.15041	-2.53966	0.011988	0.260486
	-0.30307	-2.53682	0.012082	0.261078
	-0.19847	-2.53769	0.012053	0.260911
	0.290295	2.538014	0.012043	0.260806
	-0.41856	-2.54005	0.011975	0.260367
ST3GAL2	-0.28951	-2.54009	0.011974	0.260367
	0.200484	2.538727	0.012019	0.260708
	0.158272	2.536276	0.0121	0.261189
	-0.27545	-2.54234	0.0119	0.259736
	0.31573	2.540106	0.011973	0.260367
	0.292631	2.538082	0.01204	0.260792
PKN3;STXBP1;ANGPTL2	0.279307	2.538144	0.012038	0.260792
RTEL1-TNFRSF6B;UCKL1	0.226952	2.538453	0.012028	0.260792
	0.236375	2.537566	0.012057	0.260919
	-0.35267	-2.53625	0.012101	0.261189



	-0.25155	-2.53684	0.012082	0.261078
	0.315377	2.538326	0.012032	0.260792
	0.152593	2.538217	0.012036	0.260792
	0.220388	2.539207	0.012003	0.260556
NOS1;WSB2	0.645387	2.538292	0.012033	0.260792
	-0.35066	-2.53433	0.012165	0.261703
	0.247913	2.539247	0.012002	0.260556
	0.299703	2.537802	0.01205	0.260856
	0.289465	2.534687	0.012153	0.261631
	0.191809	2.538886	0.012014	0.26066
	0.313809	2.532264	0.012234	0.26207
	0.224207	2.538313	0.012033	0.260792
RNU4-1;SRSF9;COX6A1;ENSG00000212694	-0.20037	-2.5375	0.01206	0.260942
	0.243358	2.538139	0.012038	0.260792
	-0.39425	-2.53406	0.012174	0.261756
ASH1L;SHE;C1orf189;SLC50A1;MUC1;MTX1;SYT11;SHC1;TDRD1 O;HCN3;LMNA;HAX1;RUSC1;LAMTOR2;UBQLN4;ATP8B2;ARHG EF2;C1orf43;FAM189B;ADAM15;CLK2 PARP15	-0.33977	-2.53893	0.012012	0.260657
	-0.26314	-2.53681	0.012083	0.261078
	0.214051	2.532957	0.012211	0.261955
	-0.28578	-2.5386	0.012023	0.260749
SHE;TDRD10;ATP8B2;SYT11;ASH1L;DENND4B;CREB3L4;MTX1;J TB;FLAD1;C1orf43	-0.46654	-2.53738	0.012064	0.260986
	-0.19088	-2.5347	0.012153	0.261631
	0.251864	2.535881	0.012113	0.261351
HLA-DMB;TAP2;RING1;HLA-DRA;TAP1;PSMB8;HLA- DOA;RGL2;HLA-DMA;PSMB9 HEYL;MACF1;SMAP2;AKIRIN1;MFSD2A;RHBDL2;CITED4;RIMS3; ZMPSTE24;PPIE;KIAA0754;BMP8B RNF114	-0.3314	-2.53787	0.012047	0.260856
	0.357276	2.534457	0.012161	0.261663
	0.331926	2.537634	0.012055	0.260919
	-0.40652	-2.53608	0.012107	0.261287
RNA5SP202	-0.22286	-2.53623	0.012102	0.261189
PTS;DLAT;CRYAB;TIMM8B;COLCA2;IL18	-0.33787	-2.53813	0.012039	0.260792
	0.319841	2.535639	0.012121	0.261405
	-0.25412	-2.53504	0.012141	0.261544
	-0.20963	-2.53784	0.012048	0.260856
	-0.30602	-2.53804	0.012042	0.260802
	-0.23422	-2.53796	0.012044	0.260818
KARSP1	-0.18332	-2.53823	0.012035	0.260792
	0.310059	2.5395	0.011993	0.260556
AFMID;ENSG00000267506	-0.2884	-2.53355	0.012191	0.261855
	0.337458	2.538261	0.012034	0.260792
MAPK6PS3	0.263426	2.534455	0.012161	0.261663
	0.270112	2.535133	0.012138	0.261544
	-0.37111	-2.53693	0.012079	0.261078
	-0.23232	-2.53736	0.012064	0.260986
CYTH4;MFNG	-0.23629	-2.53995	0.011979	0.260386

RIMS3;CCDC30;TMSB4XP1;SCMH1;CITED4;KCNQ4 HSPA1A	0.280901	2.535617	0.012122	0.261408
	-0.3588	-2.53683	0.012082	0.261078
	-0.21605	-2.53722	0.012069	0.261002
	0.284205	2.534146	0.012171	0.261741
NKD2	0.271579	2.537173	0.01207	0.261008
	0.130572	2.537362	0.012064	0.260986
	-0.30653	-2.53941	0.011996	0.260556
	0.395189	2.532884	0.012214	0.261955
ITGB7;NCKAP1L	-0.21426	-2.53334	0.012199	0.261929
	0.255378	2.535858	0.012114	0.261354
	0.262972	2.534589	0.012157	0.261644
	0.309147	2.535639	0.012122	0.261405
TRAK1	0.344957	2.536305	0.012099	0.261189
	0.280062	2.535526	0.012125	0.261435
	0.309217	2.536524	0.012092	0.261125
	-0.36506	-2.53761	0.012056	0.260919
TMEM14C	-0.26851	-2.53541	0.012129	0.261442
	-0.30631	-2.53674	0.012085	0.261113
	-0.16326	-2.5375	0.01206	0.260942
	0.157591	2.535922	0.012112	0.261334
SLC43A2;C17orf97;MYO1C;YWHAE;TLCD2	0.238012	2.535093	0.01214	0.261544
	-0.3246	-2.53567	0.01212	0.261405
	0.373662	2.535434	0.012128	0.261442
	-0.23783	-2.53541	0.012129	0.261442
MAPK12;MAPK11	0.206387	2.533904	0.012179	0.261769
	0.572164	2.534666	0.012154	0.261631
	0.252615	2.537215	0.012069	0.261002
	-0.38239	-2.53651	0.012093	0.261125
C1orf110;FCGR2B;ENSG00000230739 TNFSF10;ECT2	-0.33504	-2.53811	0.012039	0.260792
	0.321507	2.535751	0.012118	0.261405
	0.401165	2.534438	0.012162	0.261663
	ALDH3B1;ENSG00000255306;UNC93B1;FAM86C2P;CTSF;PITPN M1;ENSG00000254610;RBM14;CCS;AIP;GSTP1;ENSG00000251 637;RN7SKP239;TBC1D10C	-0.23531	-2.53758	0.012057
OSR1;C2orf43	-0.36497	-2.535	0.012143	0.261546
	0.258713	2.537139	0.012072	0.261014
	0.223273	2.535406	0.012129	0.261442
	-0.30713	-2.5376	0.012056	0.260919
IL10RA;AMICA1	0.336239	2.536508	0.012093	0.261125
	0.319603	2.537777	0.01205	0.26086
	0.192009	2.53293	0.012212	0.261955
	0.281247	2.534838	0.012148	0.261625
STARD9;CHP1;NUSAP1	-0.31133	-2.53395	0.012178	0.261769
	-0.30422	-2.53118	0.012271	0.262221
	-0.4296	-2.53703	0.012075	0.26105
	0.25028	2.531858	0.012248	0.262125
	0.239269	2.533801	0.012183	0.261792

	-0.26897	-2.53809	0.01204	0.260792
ADAMTS2	-0.22904	-2.53506	0.012141	0.261544
SH2D2A;FCRL5;FCRL2;FCRL3;LRRC71	0.38277	2.53824	0.012035	0.260792
	0.288472	2.538947	0.012012	0.260656
	-0.35423	-2.53918	0.012004	0.260556
38777	-0.2921	-2.53889	0.012014	0.26066
	-0.30879	-2.536	0.012109	0.261311
	-0.30956	-2.53323	0.012202	0.26195
TCF21;SLC2A12	0.266195	2.536557	0.012091	0.261125
C11orf21;TSPAN32;LSP1	-0.21182	-2.53864	0.012022	0.260749
	-0.27001	-2.53467	0.012154	0.261631
PELI3;CTSF;CDK2AP2;ALDH3B2;ENSG00000254510	-0.29089	-2.53667	0.012087	0.261125
	0.268554	2.530153	0.012306	0.262343
SELL	0.379153	2.534787	0.01215	0.261631
	-0.20612	-2.53599	0.01211	0.261311
	-0.26701	-2.53313	0.012205	0.261955
	-0.26708	-2.53523	0.012135	0.261529
	0.224153	2.536061	0.012107	0.261287
	-0.4182	-2.53526	0.012134	0.261529
	0.276768	2.53243	0.012229	0.261999
HES6;TRAF3IP1	-0.37447	-2.53292	0.012213	0.261955
NLGN2;WRAP53;CYB5D1;ARHGEF15;ATP1B2;TMEM107;KCTD11;MYH10;CLDN7;DNAH2;TNFSF12;SLC2A4;CTC1;ELP5;CHD3;MPDU1;VAMP2;EFNB3	-0.34671	-2.53288	0.012214	0.261955
ADD1;ENSG00000243894	-0.4395	-2.53401	0.012176	0.261756
FAM83H-AS1;EEF1D;RHPN1-AS1	-0.30732	-2.53625	0.012101	0.261189
	0.349617	2.537324	0.012065	0.260987
ANXA2	-0.36955	-2.52904	0.012343	0.262647
PRR15;CHN2	0.309889	2.532616	0.012223	0.261978
	0.201417	2.534236	0.012168	0.261729
	0.32346	2.534309	0.012166	0.261703
	0.286845	2.53686	0.012081	0.261078
	0.190894	2.532234	0.012235	0.262077
	0.203418	2.531422	0.012263	0.262172
	0.382265	2.535957	0.012111	0.261322
DOC2B	0.18701	2.530591	0.012291	0.262277
TRAF5	-0.37132	-2.53554	0.012125	0.261435
	0.219617	2.533941	0.012178	0.261769
	0.363447	2.534732	0.012152	0.261631
	0.274838	2.532624	0.012222	0.261978
	0.314953	2.534353	0.012164	0.261703
	0.280051	2.536423	0.012095	0.261146
	-0.17967	-2.53152	0.012259	0.262172
AGAP1	0.233118	2.535476	0.012127	0.261442
CTBP2;LHPP;CPXM2	0.228131	2.536654	0.012088	0.261125
	-0.4574	-2.53207	0.012241	0.262077
	0.209195	2.534743	0.012151	0.261631

	-0.17381	-2.53494	0.012145	0.261566
LRRC3DN;LRRC3;CSTB;PDE9A;ICOSLG;AGPAT3;CBS;ENSG000000225331;TRAPPC10	-0.31814	-2.53334	0.012198	0.261929
	0.252819	2.532969	0.012211	0.261955
ENSG000000272005	0.294554	2.528983	0.012345	0.262647
PELI3	-0.25849	-2.5371	0.012073	0.261021
CHCHD5	0.323895	2.537275	0.012067	0.260996
	-0.50412	-2.5357	0.01212	0.261405
	0.311274	2.535498	0.012126	0.261441
	0.299933	2.532844	0.012215	0.261959
	0.337055	2.536571	0.01209	0.261125
RHOH	-0.31666	-2.53328	0.0122	0.261942
	-0.3109	-2.53666	0.012088	0.261125
CDH5;TMEM208;FAM65A	-0.16892	-2.53496	0.012144	0.261566
	-0.24511	-2.53301	0.012209	0.261955
TSPAN4;ATHL1;TALDO1;BRSK2;MOB2;PSMD13;CDHR5	-0.40378	-2.53633	0.012098	0.261189
SCARB1;ZNF664;DNAH10;TCTN2	0.274136	2.532898	0.012213	0.261955
	-0.18134	-2.53688	0.01208	0.261078
CSF1R;CD74;CSNK1A1	-0.35453	-2.53093	0.012279	0.262232
	-0.27345	-2.53564	0.012121	0.261405
	0.299947	2.533373	0.012197	0.261928
	-0.28755	-2.53202	0.012243	0.262091
TMCO5A;ENSG000000259225	-0.27649	-2.53262	0.012223	0.261978
	0.199548	2.534562	0.012157	0.261644
ESRP2;CDH1;SNTB2;NFAT5;NQO1;NIP7	-0.38083	-2.53025	0.012302	0.262326
SMTN;ENSG000000198832;DRG1;PES1	-0.24519	-2.53063	0.012289	0.262268
	0.273474	2.534274	0.012167	0.261715
	0.313951	2.528154	0.012373	0.262769
	0.281611	2.532744	0.012218	0.261959
TIMP2;C1QTNF1;CBX2;ENSG000000267491;USP36;CBX8;CANT1	-0.29194	-2.53097	0.012278	0.262232
;ENSG000000178404	0.362995	2.536307	0.012099	0.261189
ADORA2B	-0.2779	-2.53062	0.01229	0.262268
HLA-F;HLA-E;PPP1R18;HLA-A;PPP1R10	-0.25477	-2.53391	0.012179	0.261769
	-0.24553	-2.52999	0.012311	0.262363
	0.138696	2.536919	0.012079	0.261078
	0.154799	2.535642	0.012121	0.261405
	-0.22646	-2.529	0.012344	0.262647
MYO7A	0.263344	2.530493	0.012294	0.262309
	-0.22274	-2.53211	0.012239	0.262077
	-0.29494	-2.5309	0.01228	0.262232
	-0.34299	-2.53253	0.012225	0.261999
	0.175117	2.532158	0.012238	0.262077
FAM92B;HSDL1;DNAAF1;MBTPS1;C16orf74;USP10;WFDC1;ENS	-0.28884	-2.53501	0.012143	0.261546
G000000262601	-0.17855	-2.5318	0.01225	0.262152
SLIT3;KCNMB1;ENSG000000249601;MIR4454	-0.38208	-2.53386	0.012181	0.261775

	0.285269	2.536561	0.012091	0.261125
MYOM2	0.32299	2.534637	0.012155	0.261638
DENND5A;AKIP1;STK33;WEE1;AMPD3;C11orf16;ADM	-0.41778	-2.53051	0.012294	0.262309
	-0.15956	-2.5328	0.012217	0.261959
	-0.25074	-2.53273	0.012219	0.261959
	0.235655	2.529039	0.012343	0.262647
ENSG00000237491	0.197159	2.532724	0.012219	0.261959
	-0.47938	-2.53432	0.012166	0.261703
	0.253369	2.533519	0.012192	0.261863
ASB2;PRIMA1;CLMN;ENSG00000258987;UNC79;SERPINA6	-0.23916	-2.53405	0.012175	0.261756
	0.356375	2.533653	0.012188	0.261846
LINC01171	-0.32121	-2.53456	0.012158	0.261644
EVI2A;ENSG00000265743;EVI2B	-0.43987	-2.53396	0.012178	0.261769
SIGLEC8;MYH14;CD33;SIGLEC17P;VRK3	-0.28786	-2.5324	0.01223	0.261999
STAMBPL1;RNLS;ACTA2-AS1	0.364107	2.528866	0.012349	0.262647
ENSG00000214067	0.292097	2.535171	0.012137	0.261544
	0.286356	2.534711	0.012152	0.261631
	0.264605	2.526849	0.012418	0.263066
	0.193776	2.532725	0.012219	0.261959
	0.366816	2.532131	0.012239	0.262077
TCEANC2;TMEM59;HSPB11	0.216644	2.533811	0.012183	0.261792
	-0.16583	-2.53146	0.012261	0.262172
	0.23045	2.530824	0.012283	0.262232
	-0.24253	-2.53404	0.012175	0.261756
ZNF366	-0.37255	-2.53173	0.012252	0.262153
	0.306738	2.532462	0.012228	0.261999
	0.310756	2.534805	0.012149	0.261631
	0.246553	2.533564	0.012191	0.261855
	0.224107	2.53304	0.012208	0.261955
THBS2	-0.2833	-2.52643	0.012432	0.263144
	0.184633	2.535072	0.01214	0.261544
	0.328048	2.530819	0.012283	0.262232
	0.346477	2.530966	0.012278	0.262232
	0.279855	2.535092	0.01214	0.261544
	0.448251	2.529392	0.012331	0.262566
	0.326261	2.531942	0.012245	0.262109
TLL1	0.290074	2.532506	0.012226	0.261999
	0.220619	2.532057	0.012241	0.262077
	0.256336	2.534175	0.01217	0.261741
	0.229306	2.533622	0.012189	0.261855
DENND5A;WEE1;ENSG00000254951;OR5E1P;TMEM9B	-0.40898	-2.53104	0.012276	0.262232
LPCAT1	-0.29914	-2.52666	0.012424	0.263122
	-0.27875	-2.53416	0.012171	0.261741
NKX6-1	-0.3144	-2.52679	0.01242	0.263087
	0.341719	2.535182	0.012137	0.261544
SLBP	0.350704	2.533226	0.012202	0.26195

	0.624555	2.534491	0.01216	0.261663
	-0.34722	-2.52885	0.01235	0.262647
TMEM254;ZCCHC24;SFTPA2	-0.20676	-2.53027	0.012302	0.262326
	0.216481	2.533177	0.012204	0.261951
	0.289189	2.531708	0.012253	0.262153
	0.211049	2.53302	0.012209	0.261955
	0.401281	2.531413	0.012263	0.262172
	0.279559	2.53303	0.012209	0.261955
	-0.22228	-2.53143	0.012262	0.262172
	0.261941	2.535103	0.012139	0.261544
	-0.22155	-2.53461	0.012156	0.261644
DMRTA2;TTC39A	0.339093	2.531329	0.012266	0.262204
NUP210;TIMP4;FBLN2;PPARG	-0.25646	-2.53405	0.012175	0.261756
	0.229229	2.533731	0.012185	0.261802
	-0.19048	-2.53248	0.012227	0.261999
	-0.2426	-2.53146	0.012262	0.262172
PLEKHH2;ENSG00000231826;HAAO;ZFP36L2;ENSG00000230587;OXER1;ENSG00000229695;THADA	0.288238	2.532301	0.012233	0.262056
LTBP3;NAALADL1;VEGFB;PYGM;NRXN2;RNASEH2C;STIP1;BATF2;TM7SF2	0.403886	2.530163	0.012305	0.262343
	-0.30621	-2.53038	0.012298	0.262326
	0.26038	2.532402	0.01223	0.261999
	-0.31349	-2.53277	0.012217	0.261959
KCNE1;CLIC6	0.152412	2.527347	0.012401	0.262916
	-0.42122	-2.53293	0.012212	0.261955
	0.227814	2.533198	0.012203	0.26195
	-0.2042	-2.53375	0.012184	0.261799
CYBA	0.215213	2.53106	0.012275	0.262232
RPL26L1;BNIP1;ATP6V0E1;CPEB4	0.306591	2.533306	0.012199	0.261937
ZNF683	0.23969	2.534016	0.012176	0.261756
	-0.20318	-2.52982	0.012317	0.262452
ANKUB1	0.129156	2.528734	0.012354	0.262673
	0.387448	2.530799	0.012284	0.262232
	0.310036	2.531907	0.012246	0.262116
ZNF429;ENSG00000268119;ZNF493;ENSG00000268416;ENSG0000268081;ZNF737	0.402408	2.5332	0.012203	0.26195
PRDM6;SRFBP1	-0.37926	-2.53146	0.012261	0.262172
	0.319426	2.532709	0.01222	0.261959
PILRA	-0.22277	-2.52952	0.012327	0.262561
ENSG00000226328;NUP50;ENSG00000238120;FBLN1;ATXN10	0.168989	2.530673	0.012288	0.262266
	0.216823	2.531121	0.012273	0.262232
ENSG00000219682;PPIAP29	0.245442	2.533561	0.012191	0.261855
	-0.24269	-2.53169	0.012254	0.262153
	-0.35734	-2.52972	0.01232	0.262488
	0.169227	2.531289	0.012267	0.262214
	-0.39144	-2.52497	0.012482	0.263508

ENSG00000150076;EPC1;CCDC7	0.342481	2.531261	0.012268	0.262214
IGHG2;KIAA0125;IGHM;IGHG1;IGHG4;IGHA1;GPR132;IGHJ3P;IGHG3;AHNAK2;IGHA2;IGHV3-7;IGHV1-2;C14orf79;IGHGP;KIF26A;ADSSL1	0.315721	2.531971	0.012244	0.262109
ENSG00000228648;MLLT4	-0.44924	-2.53032	0.0123	0.262326
	0.302044	2.530839	0.012282	0.262232
ITGAL;CORO1A;SPN;CD19;ENSG00000260219;ZNF768;ENSG0000260908;EIF3C	0.396214	2.53261	0.012223	0.261978
RBP2;ENSG00000248790;NMNAT3	0.265307	2.533599	0.01219	0.261855
	0.210823	2.531748	0.012252	0.262152
	-0.21861	-2.53254	0.012225	0.261999
ENSG00000255306;CHKA;ENSG00000254610;AIP;RPS3AP40	-0.27479	-2.5314	0.012264	0.262172
GRHL2	-0.33399	-2.53028	0.012301	0.262326
	0.264488	2.530216	0.012303	0.262338
	-0.21157	-2.53029	0.012301	0.262326
	-0.39234	-2.53045	0.012295	0.26231
PDE6B;ENSG00000273179;ZNF876P;ZNF141;SPON2;ENSG0000272927	-0.31376	-2.53118	0.012271	0.262221
ABI3;ENSG00000248954;PHOSPHO1;FAM117A;COL1A1	0.16872	2.53245	0.012228	0.261999
	0.260639	2.530545	0.012292	0.262297
ENSG00000257556	-0.14863	-2.52827	0.012369	0.262769
	0.273911	2.532053	0.012242	0.262077
	-0.18869	-2.53186	0.012248	0.262125
	0.268164	2.526501	0.012429	0.263135
	-0.16442	-2.52998	0.012311	0.262363
	-0.23475	-2.53214	0.012239	0.262077
	-0.25936	-2.53074	0.012286	0.262233
TPPP;PDCD6	0.268013	2.53347	0.012194	0.261872
	-0.27287	-2.53084	0.012282	0.262232
WDR45B	0.207004	2.530375	0.012298	0.262326
	-0.21358	-2.51448	0.012845	0.265973
	-0.14794	-2.53141	0.012263	0.262172
	-0.43027	-2.52885	0.01235	0.262647
	-0.26539	-2.52927	0.012335	0.262579
	-0.3229	-2.53035	0.012299	0.262326
	0.242123	2.531425	0.012263	0.262172
ABCA2;NPDC1	-0.27467	-2.52929	0.012335	0.262579
ZNF527;SPINT2;ZNF781	-0.23216	-2.52847	0.012362	0.262746
	0.328331	2.531563	0.012258	0.262172
SEC61A1;ABTB1;RPN1	0.345904	2.529388	0.012331	0.262566
	0.209151	2.532983	0.01221	0.261955
C1orf87;RN7SL475P	-0.27391	-2.52972	0.01232	0.262488
	-0.25827	-2.52597	0.012447	0.263281
ENSG00000141854;CACNA1A;NFIX;ZNF333	-0.28466	-2.53242	0.012229	0.261999
	0.447361	2.530973	0.012278	0.262232
ZNF850	-0.32795	-2.52521	0.012473	0.263493

	0.425289	2.530037	0.012309	0.262362
	-0.29802	-2.53177	0.012251	0.262152
	0.256855	2.530843	0.012282	0.262232
	-0.30328	-2.53311	0.012206	0.261955
	0.202227	2.528961	0.012346	0.262647
	-0.24384	-2.53283	0.012215	0.261959
	0.297046	2.529836	0.012316	0.262452
C1orf222;TTLL10;TTC34;MORN1;FAM213B;ANKRD65;SAMD11; TTLL10-AS1;ENSG00000223764;ENSG00000269896;MXRA8	-0.19273	-2.52403	0.012514	0.263577
	-0.19998	-2.53126	0.012268	0.262214
	0.218406	2.53376	0.012184	0.261799
	0.332194	2.530463	0.012295	0.26231
	0.173231	2.528188	0.012372	0.262769
ENSG00000260259;SPATA33;GAS8;ENSG00000224888;PIEZO1 ;ENSG00000260121;SPIRE2;GALNS	-0.25223	-2.52158	0.012598	0.264176
	0.315829	2.530661	0.012288	0.262266
CAPN2	-0.25639	-2.53008	0.012308	0.262343
CORIN	0.288463	2.524011	0.012515	0.263577
	0.165378	2.530985	0.012277	0.262232
ABAT	0.287828	2.52892	0.012347	0.262647
	0.239445	2.52847	0.012363	0.262746
	-0.22817	-2.53091	0.01228	0.262232
	-0.37382	-2.53034	0.012299	0.262326
	0.228317	2.532054	0.012241	0.262077
CARD11	-0.26117	-2.53075	0.012286	0.262233
	0.26749	2.52788	0.012383	0.262801
ARHGEF1;POU2F2	-0.24207	-2.5255	0.012464	0.263427
TMEM128	0.215247	2.529698	0.012321	0.262488
C6orf132;GLTSCR1L;TRERF1;ENSG00000261068	-0.35395	-2.53101	0.012277	0.262232
	0.417404	2.530184	0.012305	0.262343
	-0.30042	-2.52458	0.012495	0.263577
RALGPS2	-0.33432	-2.52769	0.012389	0.262801
	0.270275	2.526878	0.012417	0.26306
	-0.2561	-2.52708	0.01241	0.263016
PDE6B	-0.33723	-2.5312	0.01227	0.262221
	-0.3858	-2.53081	0.012283	0.262232
DDR1;NOTCH4;C4A;TNXB;CLIC1;SLC44A4 SLC37A2	-0.22508	-2.52811	0.012375	0.262772
	0.302982	2.532093	0.01224	0.262077
	0.390337	2.531674	0.012254	0.262153
	0.159647	2.52561	0.01246	0.263427
C4A;NOTCH4;ENSG00000225914	-0.33384	-2.53077	0.012285	0.262233
	0.251727	2.525528	0.012463	0.263427
	-0.35814	-2.52935	0.012333	0.262566
	0.163865	2.531935	0.012246	0.262109
	0.453975	2.528417	0.012364	0.262758
UMPS	-0.29304	-2.52818	0.012372	0.262769



FRMD4A	0.250084	2.526628	0.012425	0.263122
APBA2	0.261476	2.524031	0.012514	0.263577
	0.271488	2.529466	0.012329	0.262566
	0.220929	2.532129	0.012239	0.262077
	-0.2357	-2.52808	0.012376	0.262773
	-0.20077	-2.53012	0.012307	0.262343
FRMD4A;ACBD7;RPP38	-0.4338	-2.52225	0.012575	0.264098
	-0.1726	-2.52899	0.012345	0.262647
CLUAP1;HAGH;ENSG00000205890	-0.21992	-2.52965	0.012323	0.262513
	0.262358	2.531754	0.012252	0.262152
	-0.19102	-2.52893	0.012347	0.262647
	-0.33864	-2.52958	0.012325	0.262532
USHBP1;RASAL3;NR2F6;ENSG00000267275	-0.34507	-2.52611	0.012443	0.263241
	0.224075	2.530081	0.012308	0.262343
USP49	0.347779	2.527774	0.012386	0.262801
CRYM	0.205121	2.529981	0.012311	0.262363
	-0.24189	-2.53009	0.012308	0.262343
	0.311594	2.53148	0.012261	0.262172
FEZ1;PKNOX2;KIRREL3;CDON;CHEK1	-0.30711	-2.53155	0.012258	0.262172
MYO3B	0.327195	2.531212	0.01227	0.262221
	0.321727	2.52939	0.012331	0.262566
	-0.21225	-2.5285	0.012361	0.262746
	0.341824	2.529263	0.012336	0.262579
	-0.24529	-2.52903	0.012343	0.262647
ENSG00000230872;METTL9	0.279125	2.527215	0.012405	0.262956
HRH1	-0.36023	-2.52852	0.012361	0.262746
	0.295492	2.529415	0.012331	0.262566
	0.432916	2.525583	0.012461	0.263427
LINC00996	-0.36365	-2.52936	0.012332	0.262566
	0.378358	2.530891	0.012281	0.262232
	0.20046	2.529595	0.012324	0.262532
	0.225466	2.528698	0.012355	0.262686
	-0.31844	-2.52843	0.012364	0.262758
MAP2K5	0.249434	2.526055	0.012445	0.263241
	-0.19479	-2.52902	0.012344	0.262647
	0.30165	2.526948	0.012414	0.263055
	-0.33062	-2.52497	0.012482	0.263508
	-0.35288	-2.52429	0.012505	0.263577
	0.269949	2.528224	0.012371	0.262769
	0.293851	2.5275	0.012395	0.26287
	0.25257	2.530901	0.01228	0.262232
ZBTB20	0.308212	2.526606	0.012426	0.263122
	0.22178	2.527747	0.012387	0.262801
LZTS2	-0.24707	-2.52873	0.012354	0.262673
	-0.24012	-2.52714	0.012408	0.262984

RFX2;PTPRS;CAPS;CATSPERD;HSD11B1L;TRIP10;MLLT1;ENSG0000267262;ENSG00000267589;ENSG00000266983;ENSG00000267427;RANBP3;NDUFA11;ENSG00000267299

-0.30525 -2.52606 0.012445 0.263241  
0.238847 2.524938 0.012483 0.263508

CD200;ENSG00000272761;BOC

-0.21169 -2.52505 0.012479 0.263508  
0.402769 2.529444 0.01233 0.262566  
0.20595 2.528164 0.012373 0.262769  
0.265963 2.527652 0.01239 0.262801

GPR133;RAN

-0.38873 -2.52736 0.0124 0.262916  
0.354933 2.524078 0.012512 0.263577  
0.227583 2.524677 0.012492 0.263577  
-0.23277 -2.52884 0.01235 0.262647  
0.351934 2.528175 0.012373 0.262769

CORO1A;ITGAL;SPN

-0.19089 -2.52792 0.012381 0.262795  
-0.31135 -2.52768 0.012389 0.262801

BAK1

0.286889 2.526992 0.012413 0.263041  
0.281385 2.524314 0.012504 0.263577  
0.319746 2.52868 0.012355 0.262686

KIAA0922

RNF213;BAIAP2;PCYT2;MAFG-AS1  
LCK

0.323966 2.529335 0.012333 0.262567  
-0.27619 -2.52631 0.012436 0.263165  
-0.27746 -2.52646 0.012431 0.263138  
0.219117 2.526591 0.012426 0.263122  
-0.36534 -2.52848 0.012362 0.262746  
0.311054 2.522393 0.01257 0.264061

TMEM17;MDH1

0.312851 2.523459 0.012534 0.263697  
0.280686 2.528148 0.012373 0.262769

CD27;CLSTN3;IFFO1;C1S;TAPBPL;PTPN6;C1R

-0.36437 -2.52799 0.012379 0.262788  
0.196115 2.528577 0.012359 0.262746  
-0.22502 -2.52974 0.01232 0.262488  
0.238277 2.5255 0.012464 0.263427  
-0.24839 -2.52497 0.012482 0.263508  
0.200968 2.525315 0.01247 0.26349

ENSG00000272072

-0.20975 -2.52886 0.012349 0.262647  
0.284143 2.530347 0.012299 0.262326

PARVG;PARVB

-0.31598 -2.52794 0.012381 0.262795  
0.305869 2.528487 0.012362 0.262746  
-0.19773 -2.52411 0.012511 0.263577  
0.340656 2.527656 0.01239 0.262801  
-0.27788 -2.52666 0.012424 0.263122  
0.313347 2.523082 0.012547 0.263783  
0.241214 2.527913 0.012381 0.262795  
0.192161 2.524354 0.012503 0.263577  
0.200733 2.526937 0.012415 0.263055  
0.239045 2.528321 0.012368 0.262769  
0.184924 2.528366 0.012366 0.262769  
0.236406 2.528753 0.012353 0.262673

IRX2	0.386124	2.525435	0.012466	0.263451
ENSG00000237491	0.214738	2.526146	0.012442	0.263241
ADAMTS8;ADAMTS15	-0.2945	-2.52202	0.012583	0.264146
	0.251425	2.529034	0.012343	0.262647
ENSG00000262370;CDIP1;CREBBP;SMIM22;GLIS2	-0.33609	-2.5273	0.012402	0.262927
LAMA4;ENSG00000226440;ENSG00000230177	-0.16739	-2.52437	0.012502	0.263577
	0.248836	2.525305	0.01247	0.26349
KRT13;CCR7;RAPGEFL1;TOP2A	-0.3248	-2.51959	0.012667	0.2647
	-0.328	-2.52766	0.01239	0.262801
	0.227563	2.529453	0.012329	0.262566
SLC9C2;DNM3OS;ENSG00000238272	0.381486	2.525241	0.012472	0.263493
	-0.36609	-2.52892	0.012347	0.262647
TTC8;ENSG00000258752;SPATA7;EFCAB11;ENSG00000258699				
;EML5;TDP1;ENSG00000258983	-0.36394	-2.52345	0.012534	0.263697
	0.312057	2.526351	0.012435	0.263154
GRAP2	-0.25611	-2.5277	0.012389	0.262801
IGHA1;IGHV1-2;IGHG3;IGHGP;IGHG2;IGHV3-				
15;IGHM;IGHJ3P;IGHV3-23;IGHV3-21;IGHV3-7;IGHG1;IGHV3-				
11;KIAA0125;IGHA2;IGHG4	-0.23076	-2.52639	0.012433	0.263147
OAS2;OAS1	0.258031	2.525386	0.012468	0.263458
DCDC2B;TINAGL1;ZBTB8A;COL16A1;FNDC5;SYNC;TMEM234;IQ				
CC	-0.22802	-2.52554	0.012462	0.263427
NRN1;BMP6	-0.40684	-2.52811	0.012375	0.262772
IGHG3;IGHG1;ADSSL1;C14orf79;GPR132;IGHGP;IGHG2	-0.4315	-2.52761	0.012392	0.262816
ENSG00000199899	-0.46098	-2.52629	0.012437	0.263171
	0.239119	2.527923	0.012381	0.262795
	0.267376	2.526527	0.012429	0.263135
	0.289902	2.525402	0.012467	0.263458
RYR3	-0.33987	-2.5283	0.012368	0.262769
	0.22964	2.526905	0.012416	0.26306
	0.195297	2.524758	0.012489	0.263577
GATM	-0.28866	-2.52773	0.012388	0.262801
	0.318783	2.52758	0.012393	0.262826
	-0.17579	-2.52559	0.012461	0.263427
	-0.31139	-2.52652	0.012429	0.263135
	0.160883	2.526766	0.01242	0.263087
	0.27374	2.526088	0.012444	0.263241
	0.220006	2.526047	0.012445	0.263241
	-0.23918	-2.52523	0.012473	0.263493
	0.251703	2.525646	0.012459	0.263427
LCNL1;PTGDS	-0.28543	-2.52803	0.012377	0.262773
	0.302473	2.529137	0.01234	0.262647
TNRC6C;SYNGR2;MXRA7;TK1;RHBDF2	-0.34559	-2.52745	0.012397	0.262895
PSMD13	0.269627	2.52555	0.012462	0.263427
RCAN2;PLA2G7	-0.32784	-2.52677	0.01242	0.263087
SNORA74A	-0.2464	-2.52828	0.012369	0.262769
FAU	-0.21902	-2.52781	0.012385	0.262801

	0.279194	2.525708	0.012457	0.263421
	0.268781	2.524512	0.012497	0.263577
	0.383167	2.527297	0.012402	0.262927
	-0.27025	-2.52321	0.012542	0.263766
	0.228619	2.525756	0.012455	0.263412
CHST6;CFDP1;ENSG00000203472;TMEM231;TMEM170A;ENSG00000259972	-0.16994	-2.5277	0.012389	0.262801
	-0.13519	-2.52385	0.01252	0.263577
	0.239348	2.522691	0.01256	0.263884
RASAL3	-0.28053	-2.52766	0.01239	0.262801
	0.14964	2.523534	0.012531	0.26369
	0.303021	2.5272	0.012406	0.262956
DHRS3;CLCN6	-0.28623	-2.52831	0.012368	0.262769
	-0.21651	-2.52185	0.012589	0.264164
	0.221488	2.527024	0.012412	0.263031
	0.219143	2.528058	0.012377	0.262773
AIM2;FCRL3;PYHIN1;FCRL2;FCRL5	0.289857	2.520435	0.012638	0.264505
	0.261729	2.526875	0.012417	0.26306
FRA10AC1	0.264197	2.525088	0.012478	0.263508
	0.334738	2.526695	0.012423	0.263122
ZBTB45;ZNF549;ZIK1;PEG3	0.248262	2.524537	0.012497	0.263577
	0.192984	2.52424	0.012507	0.263577
	0.316118	2.523902	0.012518	0.263577
	-0.20427	-2.52494	0.012483	0.263508
	0.341354	2.526265	0.012438	0.263175
	-0.27144	-2.52068	0.012629	0.264419
KRT13;KRT14;JUP	0.316764	2.526134	0.012442	0.263241
	-0.41802	-2.52215	0.012578	0.264137
	0.191493	2.522969	0.01255	0.263813
NID2;ERO1L;ABHD12B	-0.43509	-2.52421	0.012508	0.263577
PSMG3	-0.35559	-2.52281	0.012556	0.263858
	0.306305	2.525085	0.012478	0.263508
PHLDB1;MPZL3;KMT2A;MCAM;ATP5L;UBE4A;CCDC84;ENSG0000255176;TRAPPC4;IFT46	-0.3151	-2.52877	0.012352	0.262673
WNT7B	-0.7261	-2.52705	0.012411	0.263023
	0.217864	2.523411	0.012535	0.263705
	-0.39478	-2.52394	0.012517	0.263577
RBM47;APBB2;NSUN7;RHOH	-0.33347	-2.52647	0.012431	0.263138
ENSG00000271204	0.146175	2.522989	0.01255	0.263811
CIAPIN1	-0.21269	-2.52804	0.012377	0.262773
CDK14	-0.30037	-2.52406	0.012513	0.263577
FGD5	0.215104	2.524493	0.012498	0.263577
SLC37A1;CSTB;ENSG00000225431;PDE9A;TMPRSS3	-0.40554	-2.52389	0.012519	0.263577
GPR17	-0.25328	-2.52723	0.012405	0.262956
	0.208065	2.522703	0.01256	0.263884
	0.220791	2.526508	0.012429	0.263135
	-0.1628	-2.52037	0.01264	0.264505

DHDDS	0.185898	2.521835	0.012589	0.264164
FZD10-AS1;FZD10	-0.49624	-2.52058	0.012633	0.264449
WDFY4	-0.24308	-2.52451	0.012497	0.263577
	-0.31291	-2.52836	0.012366	0.262769
ITGAE;GSG2	0.308499	2.526417	0.012432	0.263144
	-0.4142	-2.52023	0.012645	0.264505
ALDH1A3	0.272041	2.527396	0.012399	0.262907
	0.281965	2.524376	0.012502	0.263577
BAIAP2;NOTUM;SLC25A10;PCYT2;OXLD1;CCDC40;NPLOC4;LRR C45	-0.33283	-2.52519	0.012474	0.263494
	-0.31008	-2.52387	0.012519	0.263577
SCNN1A;C1R;SLC2A3;IFFO1;ENSG00000257084;C1S;VWF;PTM S	-0.20318	-2.52285	0.012554	0.263858
	-0.28103	-2.52051	0.012635	0.264491
	-0.20844	-2.52443	0.0125	0.263577
	-0.32475	-2.52223	0.012576	0.264098
	-0.24544	-2.52418	0.012509	0.263577
ERBB2	-0.12868	-2.5244	0.012501	0.263577
	0.2872	2.527417	0.012398	0.262905
	0.21396	2.523639	0.012527	0.263653
	0.259318	2.525516	0.012463	0.263427
	-0.22801	-2.52317	0.012543	0.263782
CD59;CAT;CAPRIN1;HIPK3;ABTB2;FBXO3	-0.25715	-2.52585	0.012452	0.263359
	0.232317	2.524866	0.012485	0.263534
	0.235561	2.517022	0.012756	0.265253
	-0.29496	-2.52635	0.012435	0.263154
	-0.37257	-2.5184	0.012708	0.26484
	-0.18992	-2.52368	0.012526	0.263639
	0.304155	2.523237	0.012541	0.263766
	-0.2036	-2.52524	0.012472	0.263493
	-0.15555	-2.52204	0.012582	0.264146
	0.301207	2.520034	0.012652	0.264505
	-0.29206	-2.52661	0.012426	0.263122
SIX1;SIX4;PCNXL4;SLC38A6;MNAT1;PRKCH;TMEM30B;ENSG00 000258926	-0.41675	-2.52213	0.012579	0.264137
	-0.26401	-2.52475	0.012489	0.263577
MSMB;TIMM23;ENSG00000235618;PARG;ASAH2B	-0.37216	-2.52155	0.012599	0.264176
	0.223829	2.5277	0.012389	0.262801
	-0.2265	-2.52447	0.012499	0.263577
	-0.26147	-2.52409	0.012512	0.263577
	0.254308	2.521785	0.012591	0.264164
RABL2A	-0.21312	-2.5242	0.012508	0.263577
	0.352897	2.524934	0.012483	0.263508
	-0.50962	-2.52557	0.012461	0.263427
	0.306049	2.52204	0.012582	0.264146
SNRPF	-0.44613	-2.52027	0.012644	0.264505
ZNF876P	-0.40514	-2.52003	0.012652	0.264505

SH3TC1	0.277874	2.525278	0.012471	0.263493
RAB3A;USHBP1	0.223633	2.519066	0.012685	0.264758
	0.268707	2.524301	0.012505	0.263577
C6orf10;ENSG00000225914;ZBTB9	0.294302	2.522813	0.012556	0.263858
ENTPD1;C10orf131;ENTPD1-				
AS1;ENSG00000269948;FRAT1;SORBS1;LCOR;RRP12	0.297353	2.520795	0.012625	0.264367
	0.380609	2.525035	0.01248	0.263508
	0.199775	2.521997	0.012584	0.264146
	0.322459	2.524027	0.012514	0.263577
PSMG3	0.242897	2.522942	0.012551	0.263819
	0.266573	2.523963	0.012516	0.263577
	-0.28411	-2.52448	0.012499	0.263577
	0.284872	2.523328	0.012538	0.263735
	0.123676	2.523232	0.012541	0.263766
	-0.16031	-2.52503	0.01248	0.263508
PLEKHG2	0.224107	2.524344	0.012503	0.263577
	0.250721	2.518278	0.012713	0.264852
	-0.1911	-2.5227	0.01256	0.263884
	-0.18262	-2.52419	0.012508	0.263577
	0.304098	2.519435	0.012672	0.264709
	0.295817	2.520023	0.012652	0.264505
ADD1	-0.29062	-2.52172	0.012593	0.264164
	0.269136	2.518418	0.012708	0.26484
CAPG	-0.20934	-2.51742	0.012743	0.265166
	-0.22516	-2.52511	0.012477	0.263508
	-0.31635	-2.52178	0.012591	0.264164
ENSG00000260807	-0.39883	-2.52304	0.012548	0.263801
	0.212074	2.521568	0.012599	0.264176
	0.207939	2.521244	0.01261	0.264221
	0.375357	2.524359	0.012503	0.263577
KIAA1755;MYL9;SOGA1;RPRD1B	-0.35765	-2.5246	0.012494	0.263577
TRAF1;GGTA1P	-0.35797	-2.52278	0.012557	0.263858
	-0.31094	-2.52213	0.012579	0.264137
	0.2759	2.519418	0.012673	0.264709
	-0.24214	-2.52406	0.012513	0.263577
	0.348215	2.523461	0.012533	0.263697
	-0.30948	-2.52517	0.012475	0.263495
	-0.31031	-2.51889	0.012691	0.264773
	0.222138	2.521654	0.012596	0.264164
	-0.25673	-2.52492	0.012483	0.263508
	0.150919	2.523725	0.012524	0.263639
	-0.25453	-2.52065	0.01263	0.264423
	0.295932	2.523106	0.012546	0.263783
	0.176297	2.519424	0.012673	0.264709
	-0.28599	-2.52425	0.012507	0.263577
	0.354056	2.524794	0.012488	0.263573
	0.143837	2.520916	0.012621	0.264312

	0.218854	2.522345	0.012572	0.264082
GAB1	0.282782	2.521954	0.012585	0.264146
	0.318507	2.524118	0.012511	0.263577
ADCY4;CDH24;RBM23;EFS;GMPR2;DAD1;NFATC4	0.233471	2.523949	0.012517	0.263577
SLA2	-0.32759	-2.52137	0.012605	0.264203
MEX3D	-0.2176	-2.5237	0.012525	0.263639
TMEM106A;UBTF	0.201773	2.520133	0.012648	0.264505
HDDC2	-0.21601	-2.51942	0.012673	0.264709
PPP1R7	0.233066	2.522786	0.012557	0.263858
	0.203231	2.521534	0.0126	0.264176
ASAP1	-0.36433	-2.52207	0.012581	0.264146
	0.243551	2.521292	0.012608	0.264221
	-0.3223	-2.52145	0.012603	0.264187
	0.255552	2.523681	0.012526	0.263639
	-0.40899	-2.52198	0.012584	0.264146
	0.199581	2.524086	0.012512	0.263577
	0.238397	2.525431	0.012466	0.263451
	-0.31621	-2.51897	0.012688	0.264758
ENSG00000233006;UQCRCQ	0.298206	2.523114	0.012545	0.263783
	0.168319	2.52348	0.012533	0.263697
	-0.84343	-2.52457	0.012495	0.263577
	0.238934	2.517514	0.012739	0.265134
	0.27436	2.523862	0.01252	0.263577
DNM3	-0.2381	-2.524	0.012515	0.263577
	-0.17987	-2.52017	0.012647	0.264505
STPG1;RCAN3;LUZP1;IL22RA1;ID3;ZNF436;HMGCL;CLIC4;LYPLA2;NCMAP	-0.3627	-2.51813	0.012718	0.264907
TRAC;RBM23	0.440237	2.525709	0.012456	0.263421
	0.169582	2.519446	0.012672	0.264709
	-0.18855	-2.52043	0.012638	0.264505
	-0.39365	-2.52472	0.01249	0.263577
	-0.33249	-2.52309	0.012546	0.263783
	0.298464	2.522073	0.012581	0.264146
	0.2441	2.519188	0.012681	0.264709
	-0.33579	-2.52341	0.012535	0.263705
POC1B	-0.31465	-2.52355	0.01253	0.26369
	0.164995	2.520762	0.012626	0.264372
	0.377891	2.521476	0.012602	0.264179
	0.259864	2.517379	0.012744	0.265167
KLLN	-0.38604	-2.51842	0.012708	0.26484
EFCAB13;HOXB6;ATP5G1	0.191467	2.520917	0.012621	0.264312
LIPH;DGKG;C3orf70;RFC4;EIF4A2	-0.38338	-2.52181	0.01259	0.264164
	0.233621	2.523548	0.01253	0.26369
ITGB7;ACVR1B;KRT18	0.284822	2.524139	0.01251	0.263577
	0.294142	2.521931	0.012586	0.264148
	0.181064	2.521696	0.012594	0.264164
	-0.1453	-2.51249	0.012915	0.266438

PGAP3;PLXDC1	-0.35727	-2.52174	0.012593	0.264164
SDCBP2	-0.25507	-2.52326	0.01254	0.263766
	0.222304	2.52083	0.012624	0.264362
ENSG00000261183;DLL4;SRP14- AS1;GPR176;ENSG00000259536	-0.29663	-2.52099	0.012618	0.264308
METTL15	0.30537	2.519246	0.012679	0.264709
	0.28495	2.521268	0.012609	0.264221
	-0.33404	-2.52148	0.012602	0.264179
	0.209775	2.520272	0.012643	0.264505
	0.257385	2.521419	0.012604	0.264195
C6orf10	-0.41725	-2.52099	0.012618	0.264308
	-0.24238	-2.51886	0.012692	0.264775
	-0.4124	-2.52128	0.012609	0.264221
TAL1;TSPAN1;PRDX1	0.394945	2.515762	0.0128	0.265576
	-0.24579	-2.52462	0.012494	0.263577
	0.256986	2.523114	0.012545	0.263783
	0.354623	2.523719	0.012525	0.263639
	-0.30718	-2.52151	0.012601	0.264179
	0.328934	2.520949	0.01262	0.264312
BNIP1	0.271863	2.519056	0.012686	0.264758
	-0.26049	-2.52185	0.012589	0.264164
	-0.30486	-2.52139	0.012605	0.264199
	-0.29955	-2.52336	0.012537	0.263728
	0.258984	2.522261	0.012575	0.264098
	0.321349	2.516207	0.012785	0.26545
TMEM14B;NEDD9;SYCP2L;C6orf52	0.428109	2.518822	0.012694	0.264778
ZNF136;PDE4A	-0.19839	-2.52004	0.012651	0.264505
ESRRG	-0.22889	-2.51747	0.012741	0.265143
	-0.23885	-2.52181	0.01259	0.264164
LINC00426	0.406944	2.523971	0.012516	0.263577
ZNF300;RPS14	0.2856	2.520046	0.012651	0.264505
	0.396052	2.52164	0.012596	0.264164
	-0.32072	-2.52279	0.012557	0.263858
	-0.1765	-2.5212	0.012611	0.264221
	-0.38267	-2.52228	0.012574	0.264098
	-0.2262	-2.52225	0.012575	0.264098
	-0.28763	-2.51667	0.012769	0.26527
ENSG00000233369	0.254009	2.521952	0.012585	0.264146
ZNF416	0.136774	2.521651	0.012596	0.264164
ENPP5	-0.33516	-2.51704	0.012756	0.265253
	0.254825	2.519198	0.012681	0.264709
MYO1C;INPP5K;SCARF1;SERPINF2;ENSG00000263050;ENSG00 000262777	-0.27707	-2.52167	0.012595	0.264164
	0.200088	2.518924	0.01269	0.264758
TRIM2;KIAA0922;TIGD4;TMEM154	-0.39224	-2.51977	0.012661	0.264649
	-0.20891	-2.52009	0.01265	0.264505
	-0.15895	-2.52022	0.012645	0.264505



C2orf70;MAPRE3;DRC1;IFT172;AGBL5	0.269098	2.517926	0.012725	0.264978
	-0.29467	-2.51921	0.01268	0.264709
	-0.35842	-2.51897	0.012689	0.264758
	0.324888	2.522618	0.012562	0.263911
	0.394966	2.520026	0.012652	0.264505
KDEL2;RAC1	0.342945	2.520585	0.012633	0.264449
	-0.31647	-2.5211	0.012615	0.264278
	0.198109	2.519498	0.01267	0.264709
	-0.31092	-2.5212	0.012611	0.264221
	0.178853	2.518464	0.012706	0.26484
TBC1D10C;GSTP1;UNC93B1;ALDH3B1;PTPRCAP;CCS;SUV420H1	-0.32505	-2.52122	0.012611	0.264221
	0.252508	2.521088	0.012615	0.264278
	0.337704	2.518311	0.012711	0.26484
	0.245866	2.521338	0.012607	0.264214
	-0.39532	-2.52265	0.012561	0.263898
PPP1R18;SLC44A4;DDR1;CLIC1;MDC1;MRPS18B;BAG6;PPP1R1 1;HSPA1L;LY6G5C;NRM;DDAH2;TRIM31;VWA7	0.318224	2.519336	0.012676	0.264709
	-0.20062	-2.52035	0.012641	0.264505
	0.251892	2.517932	0.012725	0.264978
	-0.24756	-2.51724	0.012749	0.26518
	0.267195	2.51968	0.012664	0.264652
CCDC173;BBS5;ENSG00000226072;LRP2 COL4A4	0.346875	2.522994	0.01255	0.263811
	0.319744	2.520067	0.01265	0.264505
	-0.33382	-2.51859	0.012702	0.264827
	-0.3191	-2.51927	0.012678	0.264709
	0.188148	2.520286	0.012643	0.264505
NOTCH4;CLIC1;C6orf10	-0.28444	-2.51819	0.012716	0.264887
	0.2464	2.518254	0.012713	0.264856
	-0.19974	-2.52022	0.012645	0.264505
	0.199335	2.519682	0.012664	0.264652
	-0.18849	-2.52168	0.012595	0.264164
FNBP1;COQ4;LINC00963 LAX1;CYB5R1;PIK3C2B;MDM4;KDM5B	-0.29769	-2.51921	0.01268	0.264709
	-0.23742	-2.51835	0.01271	0.26484
	0.331491	2.520484	0.012636	0.264495
	0.227384	2.519838	0.012658	0.264626
	0.217995	2.516106	0.012788	0.26551
KCTD17 C1orf216	-0.31622	-2.51324	0.012889	0.266256
	0.135911	2.521554	0.012599	0.264176
	-0.27743	-2.51957	0.012668	0.264704
	-0.40149	-2.51975	0.012662	0.264652
	0.337701	2.516447	0.012776	0.265353
	0.253083	2.519191	0.012681	0.264709
	-0.24298	-2.51873	0.012697	0.264794
	-0.23031	-2.51865	0.0127	0.264816
	0.134415	2.518579	0.012702	0.264827
	0.232745	2.519452	0.012672	0.264709

ENSG00000272235	0.15578	2.521055	0.012616	0.264289
	-0.30463	-2.51885	0.012693	0.264775
	-0.22687	-2.51832	0.012711	0.26484
	0.171504	2.519167	0.012682	0.264711
NME9;FAIM;ENSG00000248932	-0.27199	-2.5181	0.012719	0.264915
	0.327261	2.519712	0.012663	0.264652
PDGFA;ENSG00000249574	-0.30716	-2.51356	0.012878	0.266255
ECHS1	0.239664	2.52031	0.012642	0.264505
	-0.37954	-2.52079	0.012626	0.264367
	-0.27856	-2.51573	0.012801	0.265576
SH3RF3-AS1	0.402922	2.517779	0.01273	0.265058
	0.227772	2.518705	0.012698	0.2648
ANKRD65;VWA1;SKI;ENSG00000272106	-0.22547	-2.51735	0.012745	0.265175
	-0.17065	-2.51895	0.012689	0.264758
THBS3;ENSG00000231064	-0.20735	-2.51396	0.012863	0.266129
ELMO1	-0.39349	-2.51978	0.012661	0.264649
	0.298887	2.519302	0.012677	0.264709
ANKRD65;SSU72;FAM213B;ENSG00000272106;C1orf222;SKI;MORN1	-0.29052	-2.51813	0.012718	0.264907
	0.329042	2.517517	0.012739	0.265134
	0.279671	2.518528	0.012704	0.26484
ZNF605	-0.45101	-2.50455	0.013198	0.268255
	0.131211	2.515109	0.012823	0.265785
	-0.21995	-2.51919	0.012681	0.264709
GPIHBP1;FAM83H-AS1;EEF1D	0.30863	2.518807	0.012694	0.264778
	-0.37734	-2.51667	0.012769	0.26527
	0.23675	2.516405	0.012778	0.265358
SH3TC1;KIAA0232;ABLIM2;MRFAP1L1;CCDC96;AFAP1-AS1;PSAPL1;ENSG00000251580;GRPEL1;BLOC1S4;MRFAP1	0.314922	2.516982	0.012758	0.265262
	-0.21606	-2.51662	0.01277	0.265276
	0.361314	2.518957	0.012689	0.264758
LRP8;PODN;TCEANC2;ENSG00000237611;TMEM59;HSPB11	-0.29864	-2.51896	0.012689	0.264758
	-0.20027	-2.51605	0.01279	0.265537
	-0.18601	-2.52094	0.01262	0.264312
	0.355194	2.519395	0.012674	0.264709
	0.328003	2.519678	0.012664	0.264652
	-0.5543	-2.51695	0.012759	0.26527
CAP2;KDM1B	-0.4356	-2.5184	0.012708	0.26484
	0.235721	2.515098	0.012824	0.265785
	0.28416	2.517124	0.012753	0.265224
CCM2;RAMP3	0.360688	2.513732	0.012872	0.266228
DZANK1;SEC23B;GCNT1P1	-0.26237	-2.51835	0.01271	0.26484
	0.203009	2.518597	0.012701	0.264827
SHANK2;SHANK2-AS1;CTTN	0.478605	2.520052	0.012651	0.264505
FOXF1;FENDRR;FOXL1	0.234163	2.516274	0.012782	0.265414

DNMBP;ERLIN1;ENTPD7	0.295247	2.517939	0.012724	0.264978
	-0.37535	-2.51648	0.012775	0.265344
S1PR3;C9orf47;HNRNPA1P14	0.346839	2.51727	0.012748	0.26518
PTGIS;CEBPB	-0.28579	-2.51754	0.012738	0.265134
RNF213	0.369199	2.519228	0.01268	0.264709
PHYHIPL;IPMK;FAM13C	0.269462	2.515947	0.012794	0.265547
SUN1	-0.2324	-2.51571	0.012802	0.265579
C11orf95;NAALADL1;LTBP3;VEGFB;MARK2;PYGM;ARL2;BATF2	0.269786	2.516892	0.012761	0.26527
	0.225186	2.520113	0.012649	0.264505
	0.387395	2.51721	0.01275	0.265187
	-0.18918	-2.51846	0.012706	0.26484
ATP5G3	-0.24462	-2.51678	0.012765	0.26527
ENSG00000231980	0.241212	2.516713	0.012767	0.26527
	-0.42173	-2.52017	0.012647	0.264505
	0.244797	2.516822	0.012763	0.26527
	-0.27688	-2.51794	0.012724	0.264978
INPP4A	0.219798	2.515232	0.012819	0.265785
PITPNM2;ZNF664;ENSG00000251497;TCTN2;DNAH10;GTF2H3;				
FAM101A;SBNO1;LRRC43	-0.31159	-2.51808	0.01272	0.264919
ITGB7	0.277583	2.516778	0.012765	0.26527
	-0.23504	-2.51701	0.012757	0.265253
SNRNP25;HN1L;TMEM204;NHLRC4	0.217818	2.514332	0.01285	0.266025
	0.299699	2.515523	0.012809	0.265663
	0.234342	2.517057	0.012755	0.265253
	0.307743	2.516845	0.012762	0.26527
	0.195278	2.520341	0.012641	0.264505
	-0.3654	-2.51725	0.012748	0.26518
	0.291828	2.513678	0.012873	0.266228
TCP1	-0.25836	-2.5179	0.012726	0.264982
	-0.16032	-2.51075	0.012977	0.266842
	0.317704	2.517698	0.012733	0.265078
CYP2W1;PRKAR1B;IQCE;GPR146;SUN1;ELFN1;BRAT1;PSMG3;P				
SMG3-AS1	-0.22111	-2.51752	0.012739	0.265134
BRAT1;ENSG00000176349;CHST12	0.270532	2.518784	0.012695	0.264782
	0.222168	2.516651	0.012769	0.26527
	-0.29095	-2.51275	0.012906	0.266391
	0.245376	2.518506	0.012705	0.26484
	-0.31803	-2.51758	0.012737	0.265134
ICOSLG;COL18A1-AS2;COL18A1-				
AS1;COL18A1;ADARB1;LRRC3;TRAPPC10;ENSG00000215458;E				
NSG00000267857	0.369025	2.515455	0.012811	0.2657
	0.244623	2.519246	0.012679	0.264709
	0.19295	2.510549	0.012984	0.266854
CASZ1	-0.61803	-2.51081	0.012975	0.266813
	-0.25522	-2.51894	0.01269	0.264758
NEK5	0.279648	2.517493	0.01274	0.265137

	-0.18639	-2.51468	0.012838	0.265966
	-0.25167	-2.51509	0.012824	0.265785
CROCC	-0.29161	-2.51413	0.012858	0.266099
	0.20008	2.512801	0.012904	0.266391
RPS21	0.285554	2.515169	0.012821	0.265785
TRUB1	-0.16609	-2.5174	0.012743	0.265166
	0.249179	2.517726	0.012732	0.265071
NRXN2;SIPA1;RASGRP2;MAP4K2;CCDC88B;SLC25A45;PRDX5;S TIP1;FERMT3;EFEMP2;CST6;MAP3K11;CTSW;TM7SF2;EHBP1L1; PYGM;RNASEH2C;DNAJC4;SNX15;LTBP3	-0.40673	-2.51574	0.012801	0.265576
PAG1	-0.2566	-2.51536	0.012815	0.265753
GPR183	-0.38459	-2.51927	0.012678	0.264709
	0.285531	2.51901	0.012687	0.264758
	0.157522	2.516728	0.012767	0.26527
COL5A1;ADAMTSL2;OLFM1;SARDH;LINC00094;DBH- AS1;CACFD1;ENSG00000233936;VAV2	-0.35516	-2.51374	0.012871	0.266228
	-0.34733	-2.51468	0.012838	0.265966
SLC22A3;ENSG00000272841	-0.25971	-2.51844	0.012707	0.26484
	-0.19769	-2.51641	0.012778	0.265358
	0.257496	2.513538	0.012878	0.266255
	0.310956	2.514304	0.012851	0.266033
FAM49A	0.283121	2.516881	0.012761	0.26527
SEMA4D;ENSG00000231799	-0.318	-2.51119	0.012961	0.266677
	0.504763	2.513995	0.012862	0.266129
ENSG00000232018	-0.19653	-2.51471	0.012837	0.265966
	0.125411	2.517304	0.012746	0.26518
	0.24344	2.516784	0.012765	0.26527
	-0.27429	-2.51374	0.012871	0.266228
FAM83H-AS1;ZNF34;FAM83H;EEF1D;GPT;GPIHBP1	-0.25697	-2.5133	0.012887	0.266256
	0.205257	2.515546	0.012808	0.265659
	0.261793	2.513407	0.012883	0.266256
RPL5;RPAP2	-0.3007	-2.51867	0.012699	0.264815
	0.265929	2.510279	0.012993	0.266879
	0.154839	2.516528	0.012774	0.26532
	0.235372	2.518745	0.012696	0.264794
TUBA3FP;KLHL22;HIC2	-0.35224	-2.51593	0.012795	0.265547
	0.330382	2.517522	0.012739	0.265134
SLC33A1	-0.24422	-2.50996	0.013005	0.266935
BTN3A1;BTN3A3;BTN2A2;BTN3A2	0.328213	2.517727	0.012732	0.265071
	0.202461	2.514576	0.012842	0.265973
	-0.27977	-2.51157	0.012948	0.266651
ZRANB2-AS2	0.304772	2.516387	0.012778	0.265358
	0.369533	2.516735	0.012766	0.26527
	-0.51897	-2.51584	0.012798	0.265576
	0.279275	2.514342	0.01285	0.266025
	0.378823	2.515187	0.01282	0.265785
FGFR2	0.42761	2.514497	0.012845	0.265973

LRP4;KBTBD4;PTPRJ	0.217562	2.515088	0.012824	0.265785
IL2RB;MFNG;RAC2;CYTH4;CSF2RB	-0.37745	-2.51725	0.012748	0.26518
	0.197767	2.516684	0.012768	0.26527
ENSG00000259423	0.315401	2.516723	0.012767	0.26527
MYOCD	0.287651	2.511834	0.012938	0.26656
	0.20888	2.514989	0.012827	0.265818
	0.269463	2.517148	0.012752	0.265219
	-0.18863	-2.51332	0.012886	0.266256
	0.284642	2.518317	0.012711	0.26484
	-0.425	-2.50905	0.013037	0.267118
	0.187231	2.514457	0.012846	0.265973
GMDS-AS1	-0.52942	-2.51125	0.012959	0.266677
SLC45A1	0.245866	2.515965	0.012793	0.265547
	-0.26122	-2.51181	0.012939	0.26656
	-0.21795	-2.51364	0.012875	0.266235
NUBPL	0.253563	2.515577	0.012807	0.26565
EBPL	0.251383	2.514665	0.012839	0.265966
MOK	-0.18162	-2.51347	0.012881	0.266256
	-0.31627	-2.51494	0.012829	0.265844
	0.227926	2.515929	0.012795	0.265547
	-0.27616	-2.51293	0.0129	0.266359
	0.222046	2.514516	0.012844	0.265973
JAK3	0.256521	2.515914	0.012795	0.265547
SRD5A3;PDGFRA	0.243908	2.512725	0.012907	0.266391
ABHD11;LINC00035;ENSG00000233369	-0.3534	-2.51483	0.012833	0.265908
	0.13864	2.51724	0.012749	0.26518
	0.193948	2.514497	0.012845	0.265973
FRA10AC1	0.359621	2.516902	0.012761	0.26527
TNFRSF1B;MIIP	-0.39218	-2.51692	0.01276	0.26527
	-0.33725	-2.51658	0.012772	0.265292
	0.232787	2.515312	0.012816	0.265764
THSD7A	-0.29578	-2.51056	0.012983	0.266854
RPL7P11	-0.19315	-2.51246	0.012916	0.266438
ENSG00000261655	0.285016	2.515345	0.012815	0.265753
	-0.1802	-2.51464	0.012839	0.265966
	0.119963	2.515854	0.012797	0.265576
ENSG00000245466;GALNT16;DCAF5;EXD2;SMOC1;TTC9	-0.33571	-2.50294	0.013256	0.268793
ARHGEF1;CD79A;ENSG00000268027;ENSG00000268833	-0.18932	-2.51337	0.012884	0.266256
	0.202248	2.51447	0.012846	0.265973
	0.211271	2.511875	0.012937	0.26656
	0.279209	2.509153	0.013033	0.267097
	0.249616	2.513664	0.012874	0.266228
CD7;FN3K;ENSG00000262410;PYCR1	0.209786	2.51396	0.012864	0.266129
	-0.27102	-2.51162	0.012946	0.266649
	-0.32016	-2.50201	0.01329	0.268991
	-0.29219	-2.51344	0.012882	0.266256
RNU6ATAC	0.177925	2.514563	0.012842	0.265973

MARS;RDH16	0.242902	2.515162	0.012821	0.265785
CARS;TSSC2	-0.28219	-2.51594	0.012794	0.265547
	0.338102	2.513267	0.012888	0.266256
	-0.38593	-2.51578	0.0128	0.265576
SEPT4;GDPD1;MRPS23;VEZF1;LPO	-0.45933	-2.5112	0.012961	0.266677
	0.298986	2.512636	0.01291	0.266409
PITPNC1;C17orf58	-0.241	-2.51502	0.012826	0.265809
	-0.31779	-2.51403	0.012861	0.266129
	0.24706	2.515759	0.0128	0.265576
	-0.30835	-2.51374	0.012871	0.266228
SEMA3G;STAB1;POC1A;ITIH3;PCBP4;PPM1M;PBRM1;ALAS1;PR KCD	-0.333	-2.51466	0.012839	0.265966
	0.180221	2.508461	0.013058	0.267331
	0.285757	2.509295	0.013028	0.267046
NIF3L1	0.338903	2.512226	0.012925	0.266528
TIMM8B	0.267363	2.513679	0.012873	0.266228
EPHA5	0.499664	2.5145	0.012845	0.265973
SNORA74A;ENSG00000252213	-0.2896	-2.51444	0.012847	0.265975
	0.258861	2.515132	0.012822	0.265785
ARPC5L	-0.19167	-2.51305	0.012895	0.266324
NME4	-0.2002	-2.51206	0.01293	0.266544
	0.311046	2.513322	0.012886	0.266256
	-0.19329	-2.51416	0.012856	0.266099
	0.264724	2.51137	0.012955	0.266677
	0.202085	2.515094	0.012824	0.265785
	0.288786	2.512082	0.01293	0.266544
ID3;HSPG2;GALE;LUZP1	0.425189	2.512776	0.012905	0.266391
	0.266316	2.514073	0.01286	0.266111
	0.196569	2.514126	0.012858	0.266099
	0.233403	2.513606	0.012876	0.266244
	-0.39925	-2.51182	0.012939	0.26656
	0.309579	2.511722	0.012942	0.266599
PHLPP1;BCL2	-0.41586	-2.51181	0.012939	0.26656
LRRN1;CNTN4	-0.3922	-2.50912	0.013035	0.267097
HP1BP3;CAMK2N1	0.161592	2.511873	0.012937	0.26656
HLA-DOA;HLA-DOB;HLA-DRB1;SYNGAP1;VWA7;HLA- DQA1;SLC44A4;ZBTB9	-0.31726	-2.51207	0.01293	0.266544
FLI1;ARHGAP32	-0.41769	-2.51564	0.012805	0.265618
	-0.27344	-2.51335	0.012885	0.266256
C1orf222;ANKRD65;ENSG00000269896	-0.36995	-2.51637	0.012779	0.265359
	0.363674	2.512272	0.012923	0.266526
	0.192087	2.512044	0.012931	0.266544
	0.324832	2.514144	0.012857	0.266099
	-0.22485	-2.51344	0.012882	0.266256
HLA-DOA;HLA-DPB1;HLA-DMA;HLA-DMB;TAP1;HLA-DPA1;HLA- DRA;TAP2;TAPSAR1;PSMB9;SYNGAP1	0.213659	2.512246	0.012924	0.266526
	0.240885	2.515973	0.012793	0.265547

	0.253384	2.513073	0.012895	0.266323
	0.264641	2.514092	0.012859	0.26611
	0.19373	2.511107	0.012964	0.266712
	-0.15073	-2.51573	0.012801	0.265576
	-0.34518	-2.5118	0.01294	0.26656
	0.183364	2.511565	0.012948	0.266651
	0.236861	2.507938	0.013077	0.267407
	-0.34871	-2.51208	0.01293	0.266544
	0.215233	2.509609	0.013017	0.267
	0.349723	2.513431	0.012882	0.266256
COL4A2	-0.37001	-2.50942	0.013024	0.267
DAXX;RPS18	0.340628	2.508687	0.01305	0.267296
	0.134947	2.512714	0.012907	0.266391
	0.178847	2.511682	0.012944	0.266615
	-0.25288	-2.51275	0.012906	0.266391
	0.187839	2.509878	0.013008	0.266935
RXRB	-0.20568	-2.51452	0.012844	0.265973
	0.131701	2.512527	0.012914	0.266438
	0.221657	2.508716	0.013049	0.267296
	0.235676	2.511398	0.012954	0.266677
	-0.25981	-2.51318	0.012891	0.266284
	-0.19369	-2.51085	0.012973	0.266794
	-0.25772	-2.5128	0.012904	0.266391
STK16	0.331954	2.512206	0.012925	0.266529
	0.221893	2.513141	0.012892	0.266299
GALNT10;FAM114A2	0.278504	2.512926	0.0129	0.266359
RER1;MEGF6;PRDM16	0.290937	2.513717	0.012872	0.266228
EEF1A1P11	0.281254	2.508482	0.013057	0.267331
	0.190592	2.512966	0.012898	0.266359
CD6	0.263487	2.511423	0.012953	0.266677
	-0.30014	-2.51128	0.012958	0.266677
	0.142613	2.511874	0.012937	0.26656
ENSG00000220804	0.285355	2.505644	0.013159	0.267995
	0.158325	2.513282	0.012887	0.266256
	-0.31713	-2.51008	0.013001	0.26693
IL12RB1;FCHO1;JAK3	0.32993	2.510542	0.012984	0.266854
	-0.32955	-2.51505	0.012825	0.265801
	-0.35366	-2.51276	0.012906	0.266391
CD6;CD5	-0.32205	-2.5135	0.01288	0.266256
	-0.8156	-2.50943	0.013024	0.267
	0.297546	2.515107	0.012823	0.265785
	0.274413	2.511062	0.012966	0.266719
	0.126481	2.511265	0.012959	0.266677
	-0.1405	-2.51031	0.012992	0.266879
SLC25A10;RAB40B;CCDC137	-0.20837	-2.5104	0.012989	0.266879
CDCA7;SLC25A12	-0.29563	-2.51247	0.012916	0.266438
	0.179317	2.512658	0.012909	0.266406

	0.263446	2.50943	0.013024	0.267
NFKBIE	0.282799	2.513765	0.01287	0.266228
PROCR;GGT7	0.212042	2.512741	0.012906	0.266391
ZNF213	0.185437	2.513555	0.012878	0.266255
BAIAP2;WDR45B;C17orf62;PCYT2	-0.31188	-2.51258	0.012912	0.266421
FCGRT	0.367304	2.513077	0.012895	0.266323
PKP3;TSPAN4;TALDO1;MRPL23	-0.278	-2.51324	0.012889	0.266256
SLC8A1	0.361046	2.512616	0.012911	0.266411
	-0.32088	-2.51266	0.012909	0.266406
LAIR1	0.18723	2.508928	0.013041	0.267197
	-0.26726	-2.5082	0.013068	0.267378
ZBTB32	0.188144	2.514202	0.012855	0.266094
ARNT;CGN	-0.25136	-2.50777	0.013083	0.267423
	0.276868	2.510943	0.01297	0.266755
ATP8B2;SYT11;TDRD10	-0.38951	-2.51103	0.012967	0.266719
	-0.25851	-2.51397	0.012863	0.266129
BAIAP2L1	0.264216	2.509532	0.01302	0.267
	0.334142	2.513275	0.012888	0.266256
SGPL1	-0.17773	-2.51249	0.012915	0.266438
	0.266308	2.510699	0.012979	0.26685
	-0.17869	-2.51117	0.012962	0.266677
FAM13A-AS1	0.307407	2.510028	0.013002	0.266934
	0.199287	2.509956	0.013005	0.266935
	0.244579	2.512361	0.01292	0.266494
GPR133	0.241467	2.510153	0.012998	0.266919
	0.377601	2.511202	0.012961	0.266677
	0.413718	2.511996	0.012933	0.266553
	-0.28007	-2.50987	0.013008	0.266935
	-0.21012	-2.50676	0.013119	0.267832
	-0.29178	-2.51072	0.012978	0.26685
	-0.18808	-2.50787	0.013079	0.267409
	0.239886	2.506094	0.013143	0.267917
TTLL9;BCL2L1;COX4I2;KIF3B;CCM2L;RNU1-94P;FOX51	0.27299	2.511793	0.01294	0.26656
	-0.23047	-2.51338	0.012884	0.266256
WISP1;LRRC6;NDRG1	0.277941	2.512939	0.012899	0.266359
GP5;LRRC15	-0.40314	-2.51039	0.01299	0.266879
	-0.157	-2.51246	0.012916	0.266438
	-0.22871	-2.50763	0.013088	0.267477
SSBP3-AS1	0.169669	2.510564	0.012983	0.266854
	0.283615	2.507865	0.013079	0.267409
	0.209084	2.510565	0.012983	0.266854
	0.221457	2.508538	0.013055	0.267331
	-0.20992	-2.51007	0.013001	0.26693
CTC1;ELP5;NLGN2;XAF1;ARHGEF15;ACAP1;BCL6B;KCTD11;WR				
AP53;CYB5D1;EFNB3	-0.41634	-2.5096	0.013017	0.267
	-0.2633	-2.51055	0.012984	0.266854
	-0.21041	-2.512	0.012932	0.266553



	0.282937	2.508588	0.013054	0.267317
	-0.31199	-2.51207	0.01293	0.266544
	0.170553	2.512917	0.0129	0.266359
ADARB1;COL6A1;COL18A1;COL6A2;ENSG00000239415;COL18A1-AS1;LRRC3DN;LRRC3;ENSG00000267857	0.281931	2.512091	0.012929	0.266544
	-0.20236	-2.50814	0.013069	0.2674
	-0.44665	-2.50987	0.013008	0.266935
	0.175596	2.510424	0.012988	0.266879
ESRP2;NIP7;CDH1;NFAT5	-0.38301	-2.50316	0.013248	0.268793
	-0.29574	-2.51025	0.012994	0.266879
LINC00943	-0.29994	-2.51028	0.012993	0.266879
HLA-F;PPP1R18	0.319172	2.507735	0.013084	0.267427
	-0.2074	-2.51155	0.012948	0.266651
	-0.35455	-2.50837	0.013061	0.267331
ARL6;DCBLD2;CLDND1;ENSG00000233280;CRYBG3	-0.33877	-2.50542	0.013167	0.268013
	-0.37123	-2.50983	0.013009	0.266948
FAM83H-AS1	0.262712	2.512256	0.012924	0.266526
	0.335106	2.511895	0.012936	0.26656
	-0.27455	-2.50992	0.013006	0.266935
NEK2;INTS7	-0.29911	-2.51225	0.012924	0.266526
	0.257837	2.510665	0.01298	0.266854
	-0.2639	-2.5079	0.013078	0.267408
	0.156549	2.509558	0.013019	0.267
ERC1;CACNA1C	-0.29935	-2.51154	0.012949	0.266651
	0.239871	2.509203	0.013032	0.267086
CORO2B;ENSG00000245750;ENSG00000259641;ITGA11	-0.30939	-2.50639	0.013132	0.267882
TIE1;TMEM125;C1orf210;EBNA1BP2;ATP6V0B;ELOVL1;PTPRF;ERI3	-0.30528	-2.5105	0.012985	0.266864
	-0.20452	-2.50544	0.013166	0.268013
	-0.24232	-2.50767	0.013086	0.267462
	0.185677	2.508027	0.013074	0.267405
	0.334718	2.50921	0.013031	0.267086
	0.306427	2.50746	0.013094	0.267551
COL5A1;ADAMTSL2;OLFM1;PPP1R26-AS1;C9orf116;SARDH	-0.23761	-2.5058	0.013153	0.267959
	-0.31551	-2.51147	0.012951	0.266677
	0.273403	2.507554	0.01309	0.267508
	0.223707	2.509142	0.013034	0.267097
ZNF618	-0.20905	-2.50311	0.01325	0.268793
CBX2;TIMP2;C1QTNF1;ENSG00000178404;CANT1;TNRC6C	0.185508	2.508455	0.013058	0.267331
HSPA12B;SNRPB;ATRN	0.348292	2.510303	0.012993	0.266879
	-0.39611	-2.51129	0.012958	0.266677
	-0.22564	-2.50941	0.013024	0.267
ENSG00000188242;PDCD6	-0.37095	-2.50835	0.013062	0.267331
	-0.28016	-2.51124	0.012959	0.266677
AGAP2;ARHGEF25	-0.32708	-2.51087	0.012972	0.266792

ENSG00000261183;DLL4	-0.13526	-2.51123	0.01296	0.266677
	0.303761	2.507757	0.013083	0.267423
	-0.19344	-2.5121	0.012929	0.266544
	-0.35412	-2.50602	0.013145	0.267922
MRGPRF;UNC93B1;ALDH3B2;TBC1D10C;ALDH3B1;GSTP1;FAM86C2P;PITPNM1;ENSG00000255306;AIPC2orf54	-0.31019	-2.50843	0.013059	0.267331
	0.243101	2.511947	0.012934	0.266656
	-0.22018	-2.51123	0.01296	0.266677
	0.387886	2.505729	0.013156	0.267959
NTAN1	0.197119	2.50878	0.013047	0.267266
	0.323117	2.511239	0.012959	0.266677
	-0.30565	-2.50807	0.013072	0.267405
	0.34788	2.510951	0.01297	0.266755
CEP68;MEIS1 MAPK8IP1	0.308744	2.508818	0.013045	0.267264
	0.254815	2.509941	0.013005	0.266935
	0.171851	2.508638	0.013052	0.267305
	-0.30198	-2.51025	0.012994	0.266879
NEURL3;ANKRD36C;LINC00342	-0.38973	-2.50464	0.013195	0.268255
	0.318706	2.509684	0.013015	0.267
	0.262577	2.509293	0.013028	0.267046
	-0.4317	-2.51027	0.012994	0.266879
PXDN ZCCHC7;FAM201A;ANKRD18A;SNX18P3	0.160548	2.507903	0.013078	0.267408
	0.275586	2.510113	0.012999	0.266929
	-0.41783	-2.51023	0.012995	0.266879
	-0.17195	-2.50862	0.013052	0.267305
ENSG00000254561;C2CD2L;USP2;CBL;USP2-AS1;PDZD3;ENSG00000254590;CCDC153;NLRX1;MCAM	-0.28359	-2.50654	0.013127	0.267858
	0.306047	2.511037	0.012967	0.266719
	0.462806	2.510447	0.012988	0.266879
	-0.24651	-2.50943	0.013024	0.267
ENSG00000235997;LBH	-0.22183	-2.51049	0.012986	0.266864
	0.322073	2.509551	0.013019	0.267
	-0.39305	-2.50998	0.013004	0.266935
	0.241174	2.5099	0.013007	0.266935
SNORA74A;DNAJC18;ECSCR	0.279138	2.510291	0.012993	0.266879
	-0.3689	-2.50944	0.013023	0.267
	0.228437	2.511374	0.012955	0.266677
	0.400746	2.511193	0.012961	0.266677
SLC22A15	-0.37311	-2.51105	0.012966	0.266719
	0.356625	2.510105	0.013	0.266929
	0.312655	2.510689	0.012979	0.26685
	-0.21437	-2.50953	0.01302	0.267
	0.200034	2.508188	0.013068	0.267378
	-0.16348	-2.51137	0.012955	0.266677
	0.198391	2.508241	0.013066	0.267378
	0.189978	2.505088	0.013179	0.268137
	0.391084	2.509799	0.01301	0.26696

CERS4;KANK3;MUC16;CD320;PEX11G;ADAMTS10	0.316318	2.509669	0.013015	0.267
E2F3	-0.28781	-2.50951	0.013021	0.267
	-0.16489	-2.50573	0.013156	0.267959
	-0.24177	-2.5063	0.013135	0.267903
CACNG8	0.227498	2.507034	0.013109	0.267708
	-0.25165	-2.5065	0.013128	0.267858
	0.270695	2.50509	0.013179	0.268137
HLA-F;PPP1R18;PPP1R11	0.326607	2.50799	0.013075	0.267405
	0.532631	2.509508	0.013021	0.267
TBC1D4	-0.32395	-2.50586	0.013151	0.267959
	-0.26483	-2.50845	0.013059	0.267331
	0.258666	2.507526	0.013091	0.267515
MAP4K2;FERMT3	0.285981	2.510226	0.012995	0.266879
CRMP1;STK32B;EVC;TMEM128	-0.36681	-2.5066	0.013124	0.267849
	-0.21451	-2.50594	0.013148	0.267922
	0.369999	2.504509	0.0132	0.268262
CBX2;TIMP2;C1QTNF1;ENSG00000178404;TNRC6C;CCDC40;ENSG00000267491;USP36	0.303733	2.509082	0.013036	0.26711
KIAA0125;IGHM;IGHJ3P;GPR132;AHNAK2;IGHV4-34;IGHA1;IGHV3-23;IGHV3-21;IGHG2;IGHG1;IGHA2;IGHV4-39;IGHV1-2;PLD4;IGHV3-11;IGHV3-7;IGHG4	-0.24431	-2.50931	0.013028	0.267046
ARHGEF10;MYOM2	-0.52486	-2.50507	0.013179	0.268137
SNX15	0.256476	2.506844	0.013116	0.2678
	0.264678	2.505543	0.013162	0.268013
HSH2D;PLVAP;USHBP1	0.225195	2.506073	0.013143	0.267917
	0.148898	2.507965	0.013076	0.267405
	0.276724	2.506065	0.013144	0.267917
FENDRR;FOXF1;FOXL1	-0.27198	-2.50607	0.013144	0.267917
	0.326266	2.508389	0.013061	0.267331
	-0.17804	-2.50833	0.013063	0.267331
ARHGAP23;SRCIN1;HNF1B;PLXDC1	0.36265	2.499524	0.01338	0.269271
MATN2	0.235711	2.506733	0.01312	0.267838
	0.248461	2.50579	0.013153	0.267959
SKI	0.234092	2.506333	0.013134	0.267903
KHDRBS3	0.259148	2.510028	0.013002	0.266934
	0.192849	2.505944	0.013148	0.267922
	0.314202	2.507269	0.013101	0.267626
TPSD1;NME4;TPSB2;RGS11;CACNA1H;TMEM204;TPSAB1;SOX8;HN1L;ENSG00000196674	-0.32681	-2.50966	0.013015	0.267
	0.250977	2.506072	0.013143	0.267917
	0.298194	2.507763	0.013083	0.267423
	0.356185	2.507083	0.013107	0.267685
CASZ1;ENSG00000272078	-0.35761	-2.50013	0.013358	0.269271
RAD51B	0.24114	2.508636	0.013052	0.267305
	-0.26983	-2.50869	0.01305	0.267296

CACNA1C- AS4;TSPAN9;CACNA1C;TULP3;EFCAB4B;TEAD4;TSPAN9- IT1;ENSG00000250899;NRIP2;ITFG2;PRMT8;CACNA1C- IT3;DCP1B	-0.3749	-2.50821	0.013067	0.267378
	-0.2327	-2.50576	0.013155	0.267959
	-0.35625	-2.50093	0.013329	0.269033
	-0.23488	-2.50943	0.013024	0.267
	-1.05737	-2.51059	0.012982	0.266854
	-0.20091	-2.50779	0.013082	0.267423
	0.386842	2.509569	0.013019	0.267
LTBP3;VEGFB;OTUB1	0.414868	2.505676	0.013158	0.267984
	0.342015	2.508001	0.013074	0.267405
	0.203966	2.507561	0.01309	0.267508
INTS3;S100A4	0.377874	2.507386	0.013096	0.267579
	0.204727	2.503387	0.01324	0.268725
	0.232648	2.506464	0.013129	0.267858
	-0.46359	-2.50878	0.013047	0.267266
	-0.24547	-2.5073	0.013099	0.267616
	0.580268	2.502215	0.013282	0.268952
	-0.22249	-2.50625	0.013137	0.26791
	0.161459	2.508096	0.013071	0.267405
	-0.27293	-2.50913	0.013034	0.267097
MSI2;DGKE;ANKFN1	0.307664	2.506086	0.013143	0.267917
	-0.2563	-2.50849	0.013057	0.267331
	-0.25621	-2.50832	0.013063	0.267331
KIF1C	-0.26725	-2.5061	0.013142	0.267917
	0.33861	2.506897	0.013114	0.267783
ENSG00000141854;CACNA1A;GIPC1	-0.26186	-2.50677	0.013118	0.267832
	-0.19715	-2.50539	0.013168	0.268013
	0.286155	2.501663	0.013302	0.269026
	0.274826	2.504724	0.013192	0.268233
	0.473432	2.508002	0.013074	0.267405
LTK;ENSG00000261183;SRP14- AS1;MGA;TYRO3;GPR176;RAD51;BUB1B;DLL4;RMDN3	-0.32557	-2.49887	0.013404	0.269432
	0.270452	2.508061	0.013072	0.267405
	0.186832	2.507958	0.013076	0.267405
	-0.44769	-2.50596	0.013148	0.267922
CHST12;SUN1;PSMG3	-0.29467	-2.50714	0.013105	0.267661
	0.335978	2.507133	0.013105	0.267661
	0.333676	2.502524	0.013271	0.268877
NRROS;SLC51A;MUC4;MUC20	-0.38956	-2.50276	0.013263	0.268841
	0.215518	2.505126	0.013177	0.268137
LAP3	0.198834	2.508021	0.013074	0.267405
	0.196065	2.506005	0.013146	0.267922
	0.474057	2.501484	0.013309	0.269026
	0.16612	2.503	0.013254	0.268793
	-0.30128	-2.50579	0.013154	0.267959

DGKH	-0.25215	-2.50493	0.013184	0.268181
	-0.25412	-2.50443	0.013202	0.2683
	0.267081	2.505019	0.013181	0.268145
	0.225499	2.504603	0.013196	0.268255
	-0.20986	-2.50723	0.013102	0.26763
TTC28	-0.26534	-2.50595	0.013148	0.267922
	0.331615	2.506684	0.013121	0.267848
DNM1P47;LINS	0.166504	2.507233	0.013102	0.26763
	0.252616	2.506436	0.01313	0.267863
STRIP1;CSF1	0.158934	2.506461	0.013129	0.267858
MAP4K1;GMFG;RINL	0.191389	2.505594	0.013161	0.268004
PITPNM2	-0.3261	-2.49987	0.013367	0.269271
	-0.22267	-2.50333	0.013242	0.26874
PLXDC1;ERBB2;IGFBP4;MIEN1;LINC00672;MED24;PCGF2;CISD3 ;ENSG00000264198	-0.30884	-2.50375	0.013227	0.26859
	0.139031	2.500914	0.013329	0.269033
OSBPL2	-0.2926	-2.50665	0.013123	0.267849
KIAA1841	-0.27412	-2.50502	0.013181	0.268145
	-0.14798	-2.50783	0.013081	0.267421
	0.283533	2.504631	0.013195	0.268255
	0.147092	2.50662	0.013124	0.267849
	-0.18443	-2.5054	0.013168	0.268013
	0.383038	2.506596	0.013125	0.267849
	0.239455	2.502469	0.013273	0.268887
STARD7;KCNIP3;CIAO1	0.212012	2.50625	0.013137	0.26791
	0.280295	2.504606	0.013196	0.268255
	-0.27586	-2.50684	0.013116	0.2678
	-0.28467	-2.50833	0.013063	0.267331
	0.45979	2.50544	0.013166	0.268013
CHST10	-0.41029	-2.50839	0.01306	0.267331
	0.226453	2.504835	0.013188	0.2682
BDH1;LMLN;IQCG;CEP19;NRROS;RNF168;DLG1-AS1;KIAA0226	-0.28999	-2.49995	0.013364	0.269271
	-0.20334	-2.50455	0.013198	0.268255
TSPAN32;MRPL23;NAP1L4;CARS;IGF2;MOB2;C11orf21	-0.30556	-2.50694	0.013112	0.267762
	0.358502	2.506466	0.013129	0.267858
	0.18229	2.507407	0.013096	0.267576
	0.240432	2.507183	0.013104	0.26765
	-0.27606	-2.50664	0.013123	0.267849
	0.253937	2.506293	0.013135	0.267903
	0.245311	2.505412	0.013167	0.268013
	-0.19304	-2.50539	0.013168	0.268013
PEAR1	0.318455	2.501844	0.013296	0.268991
	-0.1816	-2.50254	0.013271	0.268877
C20orf166-AS1;ZBTB46;RPS21	0.247809	2.50578	0.013154	0.267959
ATP8B2	0.257188	2.502838	0.01326	0.268818
SCAND3;HCG14;ZSCAN16-AS1	-0.27476	-2.50103	0.013325	0.269033

	-0.31954	-2.50085	0.013332	0.269064
	0.252905	2.504422	0.013203	0.2683
	-0.26803	-2.50385	0.013223	0.268575
	0.234506	2.502927	0.013256	0.268793
	0.271288	2.503111	0.01325	0.268793
	0.280259	2.503553	0.013234	0.268643
	0.209537	2.507302	0.013099	0.267616
COL4A2	-0.39627	-2.50213	0.013285	0.268981
OSBPL2	-0.2896	-2.50518	0.013175	0.268116
	0.211868	2.506526	0.013127	0.267858
	0.307818	2.506223	0.013138	0.267916
	-0.35542	-2.50646	0.013129	0.267858
	-0.24598	-2.50373	0.013227	0.26859
	0.34519	2.506106	0.013142	0.267917
	0.203658	2.504786	0.01319	0.2682
PDE4B;LEPR	0.258044	2.502594	0.013269	0.268877
SLBP;ZNF721;TMED11P;RNF212	0.22995	2.504131	0.013213	0.268437
	0.323767	2.504025	0.013217	0.268488
	-0.37586	-2.50631	0.013135	0.267903
ST6GALNAC2;SMIM5;RNF157-				
AS1;ST6GALNAC1;SPHK1;RHBDF2;FOXJ1;H3F3B;UBALD2;UNC1				
3D	0.311126	2.50143	0.013311	0.269026
	0.216504	2.505231	0.013174	0.268092
ENSG00000242622	0.26891	2.502981	0.013255	0.268793
	0.212977	2.503731	0.013228	0.26859
	0.286381	2.501216	0.013318	0.269026
CR1L;DYRK3;PIGR;SRGAP2;PFKFB2;IKBKE	-0.35765	-2.50126	0.013317	0.269026
CAPN14;CAPN13;GALNT14	-0.45925	-2.49662	0.013486	0.269937
TIE1;ATP6V0B;PTCH2;C1orf210;ELOVL1;CDC20;KIF2C	-0.30908	-2.50437	0.013205	0.268313
DPY19L1	-0.31168	-2.50114	0.013321	0.26903
OAT;CPXM2;BUB3;CTBP2	-0.36399	-2.50594	0.013148	0.267922
	-0.29617	-2.50452	0.013199	0.268262
	0.171905	2.505771	0.013154	0.267959
HN1;EVPL;ST6GALNAC1;SLC16A5;NT5C;UNC13D	-0.34182	-2.50672	0.01312	0.267838
	-0.26471	-2.50298	0.013255	0.268793
	0.277197	2.505323	0.01317	0.26805
	0.277233	2.50192	0.013293	0.268991
	0.315067	2.505579	0.013161	0.268004
	0.265958	2.503767	0.013226	0.26859
	-0.33442	-2.50496	0.013183	0.268176
	0.271797	2.501504	0.013308	0.269026
	0.276895	2.50189	0.013294	0.268991
	-0.15061	-2.50263	0.013267	0.268877
	0.301034	2.503045	0.013252	0.268793
	-0.14538	-2.50611	0.013142	0.267917
SHANK2;ANO1	0.344451	2.502807	0.013261	0.268818
	0.332471	2.503515	0.013235	0.268645

CPNE5;PI16;TBC1D22B;PPIL1;FANCE;TEAD3	0.19558	2.503662	0.01323	0.268601
	0.312097	2.501185	0.01332	0.269026
GRASP;DAZAP2;SLC11A2;METTL7A;ENSG00000257246;GALNT6;ACVR1B	0.207463	2.498824	0.013405	0.269432
ZNF229	-0.32874	-2.50001	0.013362	0.269271
	0.269951	2.501556	0.013306	0.269026
KIAA1432;KIAA2026;UHRF2;ENSG00000236567	-0.37644	-2.50121	0.013319	0.269026
	0.261678	2.50411	0.013214	0.268439
	-0.34207	-2.50433	0.013206	0.268326
	0.298107	2.502494	0.013272	0.268882
	-0.12463	-2.5033	0.013243	0.268751
SHANK2;SHANK2-AS1	0.28989	2.504871	0.013186	0.268189
	-0.37147	-2.50524	0.013173	0.268092
SEMA6D	0.23917	2.499939	0.013365	0.269271
	0.145283	2.505064	0.01318	0.268137
	0.308721	2.502073	0.013287	0.268991
	0.362571	2.503906	0.013221	0.268563
	0.267769	2.502331	0.013278	0.268938
	0.220997	2.50226	0.013281	0.268939
	-0.32677	-2.50547	0.013165	0.268013
	-0.24107	-2.50488	0.013186	0.268189
	0.44017	2.503059	0.013252	0.268793
RASGRP2;NRXN2;MAP4K2;PYGM	-0.32086	-2.50235	0.013277	0.268938
	0.311634	2.504561	0.013198	0.268255
	-0.31134	-2.50562	0.01316	0.268001
	-0.25883	-2.50237	0.013277	0.268938
	0.259956	2.500284	0.013352	0.269264
FOXF2;ENSG00000218027	0.319681	2.50121	0.013319	0.269026
	-0.37335	-2.50013	0.013358	0.269271
HLA-F;PPP1R18;HLA-E;PPP1R10;HLA-A;PPP1R11	-0.2761	-2.50482	0.013188	0.2682
	0.280281	2.503686	0.013229	0.268601
	-0.17913	-2.50165	0.013303	0.269026
	0.360224	2.503062	0.013252	0.268793
	0.546571	2.504662	0.013194	0.268255
	0.42643	2.503729	0.013228	0.26859
	0.213948	2.501921	0.013293	0.268991
	0.261875	2.498188	0.013429	0.269483
	-0.32874	-2.5044	0.013204	0.268307
	-0.34963	-2.5008	0.013333	0.269077
YAF2	0.213159	2.50186	0.013295	0.268991
	-0.27167	-2.50326	0.013245	0.268769
	0.192517	2.50304	0.013252	0.268793
PEAR1	-0.28764	-2.5036	0.013232	0.26862
RPL27	-0.20558	-2.50074	0.013336	0.269085
USP2;DSCAML1;C2CD2L;USP2-AS1;RPL5P30;CCDC153;IFT46;ENSG00000254590;MPZL2;TMPR				
SS4	-0.28653	-2.49962	0.013376	0.269271

PPP1R14C	0.259777	2.499566	0.013378	0.269271
	0.303745	2.504795	0.013189	0.2682
	0.23155	2.501085	0.013323	0.269033
DNAJC3-AS1;DZIP1;SOX21-AS1	-0.33916	-2.50384	0.013224	0.268575
	0.261649	2.504171	0.013212	0.268432
	0.192315	2.502518	0.013271	0.268877
	0.256723	2.502265	0.01328	0.268939
	-0.15427	-2.49948	0.013382	0.269287
RHPN1-AS1	-0.23824	-2.50361	0.013232	0.26862
	0.233363	2.502912	0.013257	0.268793
	0.175444	2.501696	0.013301	0.269026
	0.144699	2.502932	0.013256	0.268793
	-0.24758	-2.50253	0.013271	0.268877
ENSG00000231980;PTPRN2	-0.354	-2.50384	0.013224	0.268575
	-0.29221	-2.50489	0.013186	0.268189
CRNDE;IRX3;IRX5;RPGRIP1L	-0.33645	-2.4983	0.013425	0.269465
	-0.18608	-2.50546	0.013165	0.268013
	0.164023	2.502845	0.013259	0.268818
ASH1L-AS1;JTB;SLC50A1;TPM3;UBE2Q1 MARS	0.319246	2.499943	0.013365	0.269271
	0.443682	2.502656	0.013266	0.268877
	-0.23058	-2.50233	0.013278	0.268938
	-0.26599	-2.50292	0.013257	0.268793
	-0.32572	-2.50135	0.013314	0.269026
ENSG00000254441;RAB30;ANKRD42 STK10;CREBRF	-0.38081	-2.50061	0.01334	0.269151
	-0.2256	-2.50018	0.013356	0.269271
	0.261949	2.499726	0.013372	0.269271
MCC;EPB41L4A	-0.26199	-2.50161	0.013304	0.269026
	-0.17483	-2.50123	0.013318	0.269026
	0.295381	2.50156	0.013306	0.269026
	0.291316	2.50181	0.013297	0.268991
	0.228441	2.502278	0.01328	0.268939
HSF1;SCRIB;FAM83H;PLEC ATP11A;ENSG00000267868;TMEM255B;ADPRHL1	0.205316	2.501297	0.013315	0.269026
	0.431943	2.503363	0.013241	0.26873
	0.265263	2.501597	0.013305	0.269026
TIMP2;C1QTNF1	-0.33569	-2.49706	0.01347	0.269781
	-0.31393	-2.50221	0.013283	0.268952
	0.217785	2.499196	0.013392	0.269367
	-0.15403	-2.49585	0.013514	0.27021
COL5A3;KANK2;AP1M2;DOCK6;CDKN2D;CNN1;PDE4A;RGL3 SFXN4	0.273354	2.499675	0.013374	0.269271
	-0.33617	-2.50188	0.013294	0.268991
	0.166067	2.498854	0.013404	0.269432
	-0.41405	-2.50163	0.013303	0.269026
	0.236479	2.503674	0.01323	0.268601
SLAMF8;FCRL6;AIM2;CCDC19	0.376934	2.503173	0.013248	0.268793
	-0.20741	-2.50101	0.013326	0.269033
	-0.41905	-2.49716	0.013466	0.269781
DDX51;ULK1;POLE;FBRSL1				



SLC22A3;ENSG00000272841;PLG	-0.3419	-2.5005	0.013344	0.269197
	0.299961	2.495991	0.013509	0.270184
	-0.32784	-2.50228	0.01328	0.268939
	0.268415	2.504147	0.013213	0.268437
	-0.36838	-2.49575	0.013518	0.27021
	-0.27115	-2.50136	0.013313	0.269026
	-0.26656	-2.50184	0.013296	0.268991
	0.224946	2.50017	0.013356	0.269271
SEPW1;NOVA2	-0.33377	-2.49959	0.013378	0.269271
	-0.41565	-2.50264	0.013267	0.268877
CECR2	-0.26749	-2.49964	0.013376	0.269271
	0.250156	2.501797	0.013297	0.268991
	0.161378	2.501884	0.013294	0.268991
CRMP1;CCDC96;AFAP1;ENSG00000246526;KIAA0232;EVC	-0.17952	-2.49812	0.013431	0.269507
PPP1R18;DDR1;SLC44A4;CLIC1	-0.22163	-2.50118	0.01332	0.269026
RPS17L	-0.22365	-2.50305	0.013252	0.268793
LOH12CR1	0.239526	2.502547	0.01327	0.268877
CPXM2;CTBP2;OAT	-0.40976	-2.49566	0.013521	0.27021
	-0.33031	-2.50179	0.013298	0.268991
PDLIM4;C5orf56;IRF1;ACSL6;P4HA2;SOWAHA	0.299321	2.503024	0.013253	0.268793
	0.346647	2.500768	0.013335	0.269085
HSBP1L1	-0.29725	-2.4985	0.013417	0.269432
	-0.43879	-2.50034	0.01335	0.269264
	0.187146	2.497047	0.01347	0.269781
	0.27853	2.499986	0.013363	0.269271
	0.341089	2.50142	0.013311	0.269026
	0.226109	2.50282	0.01326	0.268818
	0.185674	2.502011	0.01329	0.268991
ZNF292	0.26737	2.500314	0.013351	0.269264
	-0.23173	-2.49471	0.013556	0.270346
NCKAP1L;ITGB7;ITGA5	0.336441	2.503525	0.013235	0.268645
NRN1;FARS2;F13A1	-0.4549	-2.50063	0.01334	0.269151
CDK2AP2	-0.28675	-2.50261	0.013268	0.268877
	0.16438	2.497167	0.013466	0.269781
RNASET2	-0.18329	-2.49574	0.013518	0.27021
	0.777302	2.50145	0.01331	0.269026
	0.239506	2.498768	0.013407	0.269432
RGL2	-0.25609	-2.4993	0.013388	0.269328
	0.264957	2.500739	0.013336	0.269085
	0.329884	2.501873	0.013295	0.268991
	0.194724	2.499929	0.013365	0.269271
ENSG00000246145;CSPP1;ENSG00000253223;ENSG00000250				
869;TCF24;PPP1R42	-0.31482	-2.49976	0.013371	0.269271
	-0.31881	-2.50153	0.013307	0.269026
	-0.26164	-2.49915	0.013393	0.269371
CSF3R;ADPRHL2	-0.16673	-2.50134	0.013314	0.269026

GRB10;ZBPB	0.148694	2.501167	0.01332	0.269026
	0.300973	2.498252	0.013426	0.269465
	0.238164	2.496211	0.013501	0.270089
	0.221698	2.495876	0.013513	0.27021
ENSG00000184566 POMGNT1	0.135435	2.491822	0.013663	0.270974
	0.208152	2.499659	0.013375	0.269271
	0.315667	2.502538	0.013271	0.268877
	0.299562	2.497478	0.013454	0.2697
CCDC81	-0.19957	-2.49845	0.013419	0.269432
	-0.28189	-2.49674	0.013482	0.269912
	0.304257	2.498707	0.01341	0.269432
	0.248723	2.499515	0.01338	0.269271
PSD4	0.288554	2.493278	0.013609	0.270586
	-0.18101	-2.49556	0.013525	0.270249
	0.232983	2.499299	0.013388	0.269328
	0.437961	2.499361	0.013386	0.269328
ENSG00000259881;RNF166 TRAPPC10;ICOSLG;CSTB	0.314632	2.497308	0.013461	0.269761
	-0.32952	-2.49618	0.013502	0.270089
	0.163937	2.495685	0.01352	0.27021
	-0.3185	-2.50202	0.013289	0.268991
MEOX1;GPATCH8;ATP6V0A1;CNTNAP1;COA3;RAMP2;AOC3;VP S25;BECN1;BRCA1;TMEM106A CGN;SELENBP1;RORC;ENSG00000269621;HRNR;RIIAD1;LINGO 4	0.230383	2.501408	0.013311	0.269026
	-0.22515	-2.49671	0.013483	0.269912
	-0.35613	-2.49799	0.013436	0.269563
	-0.20172	-2.49757	0.013451	0.269668
PIK3C2B;MDM4 EDARADD	-0.16936	-2.49999	0.013363	0.269271
	-0.40423	-2.49985	0.013368	0.269271
	-0.33275	-2.50035	0.01335	0.269264
	0.224763	2.501242	0.013317	0.269026
TRIM41 ZNF844;ZNF440;ZNF627;FBXW9;CCDC151;ZNF20	-0.32031	-2.49955	0.013379	0.269271
	-0.19443	-2.50217	0.013284	0.268966
	0.208092	2.497377	0.013458	0.269736
	-0.31347	-2.49984	0.013368	0.269271
EGFL7;GPSM1;UAP1L1;NPDC1;FAM69B;QSOX2;LCNL1;NOTCH1	0.23764	2.496791	0.01348	0.269888
ZC2HC1C;DNAL1;CCDC176;ENSG00000259319;MLH3;ISCA2;LT BP2;FCF1;PNMA1;ELMSAN1;FAM161B;ACYP1;PGF;PTGR2	-0.28806	-2.49856	0.013415	0.269432
	0.291183	2.500322	0.013351	0.269264
	0.280798	2.499389	0.013385	0.269325
	0.259798	2.498325	0.013424	0.269459
NLK;FOXN1	-0.31504	-2.50092	0.013329	0.269033
ATG5	-0.24069	-2.49397	0.013583	0.270452
KIF13B	-0.16459	-2.49873	0.013409	0.269432
LAT2;NCF1	0.312905	2.497614	0.01345	0.269668
	0.220599	2.502054	0.013288	0.268991

	0.278546	2.500247	0.013354	0.269268
	-0.29742	-2.50003	0.013361	0.269271
PPIF;ZCCHC24;TMEM254;ANXA11;ZMIZ1;DYDC2	-0.36452	-2.49768	0.013447	0.269667
	-0.35637	-2.50009	0.013359	0.269271
	-0.17784	-2.501	0.013326	0.269033
	0.203977	2.497647	0.013448	0.269668
PAPD4	-0.43178	-2.50093	0.013329	0.269033
WDR45B;PCYT2;NOTUM;LRRC45;MAFG-AS1;METRNL;CCDC57	-0.44426	-2.50105	0.013324	0.269033
	-0.29025	-2.49931	0.013388	0.269328
	-0.34094	-2.50109	0.013323	0.269033
	0.370315	2.501412	0.013311	0.269026
	0.217156	2.497783	0.013443	0.269646
	0.265021	2.499973	0.013364	0.269271
	-0.43207	-2.50101	0.013326	0.269033
	0.314048	2.498525	0.013416	0.269432
SCARF1;INPP5K	0.258527	2.500278	0.013352	0.269264
MRPS15;CLSPN;COL8A2	-0.41199	-2.49946	0.013382	0.269287
	0.268907	2.499531	0.01338	0.269271
EXOSC4;SLC52A2	-0.37618	-2.49919	0.013392	0.269367
SH2D3C;PKN3;GARNL3	-0.24916	-2.50127	0.013316	0.269026
	0.338136	2.501994	0.01329	0.268991
	0.260279	2.498565	0.013415	0.269432
	-0.22742	-2.49933	0.013387	0.269328
	0.256454	2.501439	0.01331	0.269026
	-0.34807	-2.49825	0.013426	0.269465
	0.276454	2.49649	0.013491	0.269995
	-0.32306	-2.50132	0.013315	0.269026
	0.2198	2.499794	0.01337	0.269271
	-0.29302	-2.4975	0.013454	0.269693
CYS1;KLF11	0.219382	2.500594	0.013341	0.269151
	0.252529	2.495997	0.013509	0.270184
	0.24302	2.498646	0.013412	0.269432
VSTM4;C10orf128	0.224068	2.498752	0.013408	0.269432
	0.140793	2.496244	0.0135	0.270089
	-0.40695	-2.49497	0.013547	0.270317
	-0.24736	-2.50027	0.013353	0.269264
XPO7	-0.30834	-2.49711	0.013468	0.269781
	0.227758	2.501053	0.013324	0.269033
MSMB;TIMM23;PARG;ASAH2B	-0.45893	-2.49713	0.013467	0.269781
	-0.21547	-2.49991	0.013366	0.269271
DST	0.37141	2.496816	0.013479	0.269882
	-0.23188	-2.49649	0.013491	0.269995
H2AFY;CXCL14	-0.24852	-2.49406	0.01358	0.270409
CARF	-0.20009	-2.50005	0.013361	0.269271
	-0.20149	-2.49347	0.013602	0.270552
	0.2141	2.49875	0.013408	0.269432

	-0.74118	-2.50096	0.013328	0.269033
SLCO4A1	-0.49188	-2.49954	0.013379	0.269271
C10orf128	-0.31471	-2.50007	0.01336	0.269271
	-0.20996	-2.49985	0.013368	0.269271
	-0.2238	-2.49696	0.013473	0.269801
SLC35C1	0.234177	2.495939	0.013511	0.270209
	0.311433	2.498002	0.013435	0.269563
	0.32193	2.499677	0.013374	0.269271
TUBGCP2;PWWP2B	0.36042	2.500161	0.013357	0.269271
	-0.27965	-2.49865	0.013412	0.269432
	-0.1581	-2.50039	0.013348	0.269262
	-0.20136	-2.49971	0.013373	0.269271
	0.213939	2.496527	0.013489	0.269993
	0.349353	2.501913	0.013293	0.268991
	0.187662	2.495673	0.013521	0.27021
	0.309459	2.50058	0.013341	0.269151
	0.278946	2.496988	0.013472	0.269794
	0.182011	2.498476	0.013418	0.269432
UQCR10	0.244534	2.498536	0.013416	0.269432
RRP36	-0.23461	-2.49877	0.013407	0.269432
	-0.26216	-2.49478	0.013553	0.270328
NXPH3;COL1A1;EPN3;LRRC59;FAM117A;SGCA;ABI3;ENSG00000250286	0.205657	2.494968	0.013547	0.270317
	0.134919	2.498553	0.013415	0.269432
	0.279236	2.499249	0.01339	0.269351
	0.294637	2.497642	0.013449	0.269668
IL2RB;APOL3;RAC2;MFNG;APOL2;CYTH4;CSF2RB;APOL1 PSMA5;CLCC1;KCNC4;AHCYL1;SYPL2;CSF1;GNAI3;GSTM2;TAF1 3;GSTM5	0.433082	2.500826	0.013333	0.269072
	-0.16459	-2.49492	0.013548	0.270322
	0.255813	2.497779	0.013443	0.269646
	-0.43673	-2.49589	0.013513	0.27021
	-0.27586	-2.49862	0.013413	0.269432
	-0.2559	-2.49897	0.0134	0.269432
	0.096353	2.498967	0.0134	0.269432
WDR45B;PCYT2	-0.2143	-2.49847	0.013418	0.269432
ENSG00000261087;GRHL2;ZNF706;AZIN1	-0.31668	-2.49447	0.013565	0.270397
	-0.20371	-2.49518	0.013539	0.270314
	0.19144	2.499757	0.013371	0.269271
C1QTNF2;ENSG00000247699	-0.24289	-2.4949	0.013549	0.270322
HLA-C;C2	-0.45216	-2.50154	0.013306	0.269026
	0.289814	2.498567	0.013415	0.269432
	0.240486	2.49907	0.013396	0.269419
	-0.26632	-2.49876	0.013408	0.269432
	0.297764	2.498661	0.013411	0.269432
	0.258505	2.498248	0.013426	0.269465
	0.287086	2.499785	0.01337	0.269271
	-0.19234	-2.49591	0.013512	0.27021

CRY2;MAPK8IP1;MDK;SYT13	0.218264	2.498413	0.01342	0.269432
	-0.2772	-2.49537	0.013532	0.270291
	0.17325	2.498664	0.013411	0.269432
SLC7A5	0.828392	2.498588	0.013414	0.269432
VSTM4	0.262021	2.495225	0.013537	0.270314
	-0.42409	-2.49754	0.013452	0.269683
	0.239731	2.498763	0.013408	0.269432
P2RY13;GPR87	-0.39268	-2.49478	0.013553	0.270328
TESPA1	-0.50069	-2.49837	0.013422	0.269444
GFRA1;RAB11FIP2;KIAA1598	0.231408	2.49707	0.013469	0.269781
	0.19417	2.499176	0.013393	0.269367
	0.212844	2.497892	0.013439	0.269617
TTC18;DNAJC9-AS1;RNU6-833P;P4HA1	0.253281	2.49813	0.013431	0.269507
	0.258816	2.498632	0.013412	0.269432
	0.189867	2.495008	0.013545	0.270317
FBXO6	0.272005	2.494263	0.013573	0.270404
RUNX1T1	0.343046	2.49381	0.013589	0.270485
	0.187998	2.497395	0.013458	0.269736
	0.218756	2.498363	0.013422	0.269444
CCDC88A;SPTBN1;RPL23AP32;SMEK2;CCDC104	-0.35523	-2.49897	0.0134	0.269432
	-0.31734	-2.49432	0.013571	0.270404
	0.161958	2.495506	0.013527	0.270262
LRR37A3;ENSG00000264954	0.248479	2.495244	0.013536	0.270314
	-0.29083	-2.49604	0.013507	0.270176
	0.279021	2.495538	0.013526	0.270251
EXOSC4	0.280437	2.492807	0.013626	0.270758
RPL9P8;RPS17L;UBE2Q2P6	-0.28057	-2.49806	0.013433	0.269539
	0.15529	2.499576	0.013378	0.269271
	0.24092	2.498889	0.013403	0.269432
HTRA3;AFAP1;SORCS2;ACOX3;ABLM2;PSAPL1	0.2766	2.491342	0.013681	0.271003
	0.228866	2.497885	0.01344	0.269617
	-0.18841	-2.49688	0.013477	0.269851
TNXB	0.214131	2.489899	0.013734	0.271135
	0.113026	2.497755	0.013444	0.269649
	0.361233	2.497188	0.013465	0.269781
NIPAL4	0.398986	2.497074	0.013469	0.269781
	0.343098	2.500173	0.013356	0.269271
	-0.17665	-2.49784	0.013441	0.269635
SUPT7L	0.201736	2.497107	0.013468	0.269781
	0.386274	2.49758	0.013451	0.269668
	0.298272	2.498445	0.013419	0.269432
TMEM255B;TFDP1;GAS6;TMCO3	-0.16192	-2.4949	0.013549	0.270322
	-0.36528	-2.48834	0.013793	0.27156
	-0.30576	-2.49623	0.0135	0.270089
FLT4;ADAMTS2;MGAT1	0.30459	2.495092	0.013542	0.270317
	-0.32474	-2.49265	0.013632	0.270793
	-0.2425	-2.49713	0.013467	0.269781

FBLN2;GRIP2;ZFYVE20	-0.26405	-2.49294	0.013621	0.270711
FADS3;RAB3IL1;INTS5;TMEM258;SCGB2A1;DDB1;C11orf48;LRR N4CL	-0.3098	-2.49618	0.013502	0.270089
PARP9;DTX3L;CSTA;PARP14	-0.41651	-2.49628	0.013498	0.270089
BBS7	0.243924	2.488532	0.013785	0.271519
C9orf9;ADAMTSL2;C9orf171;AK8;MED22;TSC1;CACFD1	-0.31976	-2.4957	0.01352	0.27021
	-0.33562	-2.49773	0.013445	0.269654
LNK1;CHIC2	0.20286	2.494979	0.013546	0.270317
	-0.36536	-2.49533	0.013533	0.270291
RGS18	-0.45639	-2.49281	0.013626	0.270758
STYXL1;CCDC146;HIP1;ENSG00000250990	-0.19573	-2.49704	0.013471	0.269781
ADAMTS1;JAM2;ENSG00000197934	-0.32662	-2.49412	0.013578	0.270409
MIR143;ENSG00000253864;MIR143HG;MIR145;SYNPO;GPX3; ANXA6;PDGFRB;ARSI;CSNK1A1;HMGXB3	0.228486	2.49634	0.013496	0.270085
SMTN;SEC14L3	-0.37085	-2.49463	0.013559	0.270373
	-0.32727	-2.49451	0.013563	0.270397
	0.247343	2.498585	0.013414	0.269432
FXYD3;CLIP3;SCN1B;WTIP;COX6B1;COX7A1;ZFP82	-0.25395	-2.49375	0.013592	0.270485
TXNRD3;SEC61A1	0.151913	2.498421	0.01342	0.269432
TMEM255B;TMCO3;TFDP1;GAS6;GAS6-AS1;CUL4A	0.269755	2.495168	0.013539	0.270314
TBC1D10C	-0.24275	-2.49456	0.013562	0.270397
	0.299927	2.497001	0.013472	0.269794
	0.288293	2.49516	0.01354	0.270314
LINC00589	-0.36142	-2.49427	0.013572	0.270404
AKT3	-0.33306	-2.49422	0.013574	0.270406
SH3BP2;GRK4	-0.40086	-2.49431	0.013571	0.270404
	0.182549	2.494052	0.01358	0.270409
SDHA	0.240653	2.492491	0.013638	0.270793
	-0.25429	-2.49706	0.01347	0.269781
KLHDC4	0.245275	2.49621	0.013501	0.270089
	0.25803	2.492614	0.013633	0.270793
SH2D2A	-0.33607	-2.49578	0.013517	0.27021
	0.463126	2.492463	0.013639	0.270793
	0.306227	2.495676	0.013521	0.27021
	0.210379	2.494285	0.013572	0.270404
	-0.31814	-2.49309	0.013616	0.270648
	-0.27632	-2.49075	0.013702	0.271023
	-0.22723	-2.49671	0.013483	0.269912
	0.252267	2.497357	0.013459	0.269738
	0.233093	2.497593	0.01345	0.269668
	0.215306	2.494195	0.013575	0.270406
LINC00968	0.335109	2.491512	0.013674	0.270974
	-0.21201	-2.49506	0.013543	0.270317
	-0.21457	-2.49581	0.013516	0.27021
	-0.19819	-2.49819	0.013428	0.269483
	-0.41702	-2.49453	0.013563	0.270397
	0.354184	2.494247	0.013573	0.270404

H3F3AP6	0.43021	2.493225	0.013611	0.270589
	0.31721	2.495447	0.013529	0.270291
EDEM1	0.258431	2.493461	0.013602	0.270552
NXPH3;HOXB4;MIR10A;LRRC59;COL1A1;HOXB- AS2;HOXB3;FAM117A;HOXB5;ENSG00000262837	-0.30269	-2.49434	0.01357	0.270404
	0.168546	2.495329	0.013533	0.270291
	0.306792	2.496315	0.013497	0.270085
SLAMF1;ENSG00000213080;SLAMF6	-0.43603	-2.49665	0.013485	0.269928
	0.287278	2.495632	0.013522	0.270211
	0.31098	2.492273	0.013646	0.270823
USF1	-0.21202	-2.4933	0.013608	0.270583
	-0.17157	-2.49394	0.013584	0.270453
	-0.19158	-2.49279	0.013627	0.270758
	-0.32331	-2.49065	0.013707	0.271062
	0.199955	2.490251	0.013721	0.271084
	0.284597	2.498695	0.01341	0.269432
	-0.42148	-2.49741	0.013457	0.269736
	-0.26642	-2.49369	0.013594	0.270486
	0.373486	2.485448	0.013901	0.272032
CBFA2T3;SPATA33	-0.17898	-2.49448	0.013565	0.270397
	0.194877	2.493612	0.013597	0.270501
NOL7;SIRT5;CD83;PHACTR1	-0.28302	-2.49669	0.013483	0.269914
	-0.29321	-2.49504	0.013544	0.270317
RNF32	0.306319	2.496172	0.013502	0.270089
	-0.20393	-2.4977	0.013446	0.269665
	0.233837	2.494687	0.013557	0.270346
	0.28149	2.493305	0.013608	0.270583
RAPGEF3;PCED1B;ENSG00000205537;PCED1B-AS1;RPAP3;VDR CSPG4P12	-0.38127	-2.49083	0.0137	0.27101
	0.321031	2.494704	0.013556	0.270346
MT1E;CIAPIN1;POLR2C;MT2A	-0.25686	-2.49536	0.013532	0.270291
PDPK1	-0.16357	-2.49339	0.013605	0.270581
	0.343725	2.49016	0.013725	0.271084
	-0.25804	-2.49489	0.013549	0.270322
	0.320333	2.494367	0.013569	0.270404
STK10	0.408307	2.494437	0.013566	0.270397
	-0.2407	-2.495	0.013545	0.270317
	-0.27712	-2.4898	0.013738	0.271159
DENND2D;CD53;KCND3;KCNC4;DRAM2;PIFO;FAM212B;LRIF1;C EPT1;KCNA3;LAMTOR5	-0.36449	-2.49256	0.013635	0.270793
C1QTNF1;CBX2;SLC26A11;SGSH	-0.40328	-2.49387	0.013587	0.270483
CYP1B1-AS1;CYP1B1;PRKD3	0.28747	2.490855	0.013699	0.27101
	-0.28228	-2.49778	0.013444	0.269646
	-0.29075	-2.49121	0.013685	0.271003
PITPNM2;HIP1R;WDR66;ENSG00000256546;TMEM120B	0.370811	2.493309	0.013608	0.270583
	-0.22294	-2.49442	0.013567	0.270397
	-0.26656	-2.4904	0.013716	0.271084

CARD8	0.252887	2.490791	0.013701	0.27102
	0.222339	2.49574	0.013518	0.27021
	-0.36747	-2.49236	0.013643	0.270793
	-0.30008	-2.49359	0.013597	0.270501
	0.348054	2.495627	0.013522	0.270211
	0.23629	2.494458	0.013565	0.270397
	0.267997	2.492356	0.013643	0.270793
	0.265941	2.490356	0.013717	0.271084
	0.283551	2.493612	0.013597	0.270501
	0.186545	2.493246	0.01361	0.270586
PLCG1;PTPRT;ZHX3;ENSG00000226648	0.250667	2.491075	0.013691	0.271003
	0.27631	2.494412	0.013567	0.270397
	0.198857	2.493049	0.013617	0.270667
	-0.19394	-2.49275	0.013629	0.270776
	-0.33042	-2.4926	0.013634	0.270793
	0.289769	2.494848	0.013551	0.270328
	0.351944	2.488401	0.01379	0.271531
	-0.52853	-2.49364	0.013596	0.270501
	-0.25238	-2.49151	0.013674	0.270974
	0.313132	2.490683	0.013705	0.271062
FBXL7	0.219331	2.495295	0.013535	0.270291
ABHD17C;IL16	-0.37201	-2.49418	0.013576	0.270406
ENSG00000255545;B3GAT1	0.261373	2.491694	0.013668	0.270974
TNFRSF1B	-0.32598	-2.495	0.013546	0.270317
ENSG00000262601;FAM92B;KIAA0513;FOXF1;FENDRR;C16orf7	4	-0.31361	-2.49239	0.013642
	-0.20475	-2.4912	0.013686	0.271003
	-0.31628	-2.49485	0.013551	0.270328
PIGV;NUDC;PDIK1L;HMGN2;CD164L2;FAM76A;PPP1R8;TRNP1;	STX12;RPS6KA1;WDTC1;UBXN11;C1orf172	-0.23574	-2.49381	0.013589
	0.374274	2.489098	0.013764	0.271348
	-0.23172	-2.49569	0.01352	0.27021
	-0.18461	-2.4905	0.013712	0.271084
ZNF396;ZSCAN30	0.203048	2.493445	0.013603	0.270552
	-0.27146	-2.49325	0.01361	0.270586
	0.324305	2.49134	0.013681	0.271003
	0.23347	2.493353	0.013606	0.270583
	0.256783	2.494792	0.013553	0.270328
C6orf57	-0.34693	-2.49089	0.013698	0.27101
	-0.26404	-2.49483	0.013552	0.270328
	0.307465	2.491263	0.013684	0.271003
	0.167582	2.495034	0.013544	0.270317
	-0.33892	-2.49171	0.013667	0.270974
SMIM5;ST6GALNAC2;ST6GALNAC1;UNC13D;RHBDF2;RNF157-	AS1	0.388624	2.495722	0.013519
IRX3	-0.3553	-2.49259	0.013634	0.270793
ATP6V1D;MPP5;RAD51B	-0.37746	-2.49299	0.01362	0.270689



	0.295388	2.494077	0.013579	0.270409
	-0.22175	-2.49038	0.013716	0.271084
MAPK12;RABL2B;SHANK3;MAPK11;DENND6B;C22orf34;ENSG0000213279;CRELD2;ODF3B;ADM2;SCO2;PANX2	-0.21698	-2.49272	0.013629	0.270781
	0.280973	2.491632	0.01367	0.270974
	0.20131	2.491056	0.013691	0.271003
	-0.29291	-2.49529	0.013535	0.270291
FSTL3;CFD;MISP	-0.40135	-2.49718	0.013465	0.269781
	0.223387	2.494391	0.013568	0.2704
PSMA4;WDR61	-0.39633	-2.49408	0.013579	0.270409
MEI1	-0.24682	-2.49534	0.013533	0.270291
ENSG00000260807;UNKL;SOX8;ECI1;TRAF7;MRPS34;FAHD1;C16orf91;CCNF;HN1L	-0.38899	-2.49514	0.01354	0.270316
	0.234561	2.493908	0.013586	0.270464
TBC1D10C;PTPRCAP;ADRBK1;ALDH3B1	0.310057	2.494591	0.01356	0.270391
ENSG00000198832;DUSP18;SMTN;CCDC157	-0.23734	-2.49089	0.013697	0.27101
	-0.29678	-2.49006	0.013728	0.271116
	-0.27391	-2.49633	0.013497	0.270085
	0.354293	2.490496	0.013712	0.271084
SUPT6H;IFT20;LYRM9;NLK;TLCD1	-0.34244	-2.48921	0.01376	0.271331
	-0.45445	-2.48969	0.013742	0.271204
CCDC176;DNAL1;PNMA1;FAM161B;NUMB;ELMSAN1	-0.40425	-2.49232	0.013644	0.2708
	0.190378	2.491595	0.013671	0.270974
	-0.12853	-2.49098	0.013694	0.271006
	-0.44205	-2.4954	0.013531	0.270291
	-0.22657	-2.49245	0.01364	0.270793
	-0.20457	-2.49536	0.013532	0.270291
ENSG00000228648;FGFR1OP;ENSG00000231720;PRR18	-0.34823	-2.49183	0.013662	0.270974
	-0.34907	-2.49141	0.013678	0.271003
	0.309578	2.492202	0.013649	0.270837
	-0.29553	-2.49121	0.013686	0.271003
IGF2;NAP1L4;MRPL23;CARS	-0.36776	-2.49254	0.013636	0.270793
	-0.2436	-2.49345	0.013602	0.270552
	-0.26752	-2.49475	0.013555	0.270338
	-0.33489	-2.49203	0.013655	0.270933
	0.190143	2.491003	0.013693	0.271003
ADCY5;MYLK;SEMA5B;WDR5B;PARP15	0.219572	2.49193	0.013659	0.270959
ENSG00000178404	-0.31288	-2.48806	0.013803	0.271592
	0.20432	2.492477	0.013639	0.270793
	0.403056	2.494178	0.013576	0.270406
	-0.32615	-2.49516	0.013539	0.270314
ZDHHC13	0.301412	2.488169	0.013799	0.271592
	-0.28027	-2.49252	0.013637	0.270793
	-0.15555	-2.49313	0.013615	0.270648
	-0.27912	-2.49407	0.01358	0.270409
	-0.19052	-2.49186	0.013662	0.270974
	0.220394	2.49396	0.013584	0.270452

	-0.25617	-2.49207	0.013654	0.270923
TENC1;GRASP;ACVRL1;GALNT6;POU6F1;ENSG00000257337;KR				
T7;KRT18;KRT80;KRT8	0.341596	2.488067	0.013803	0.271592
	-0.2978	-2.49092	0.013696	0.27101
	-0.3788	-2.49376	0.013591	0.270485
	-0.29275	-2.49159	0.013672	0.270974
	-0.27338	-2.49237	0.013643	0.270793
	0.264448	2.48753	0.013823	0.271714
	-0.71336	-2.49416	0.013576	0.270407
	-0.22821	-2.49299	0.013619	0.270689
NANS;CORO2A;TMOD1;GALNT12;CCDC180;C9orf156	0.344049	2.491922	0.013659	0.270959
	-0.18041	-2.49371	0.013593	0.270485
	0.378905	2.493803	0.01359	0.270485
	0.249978	2.492437	0.01364	0.270793
	-0.33917	-2.49374	0.013592	0.270485
ANGEL1;VASH1	-0.19557	-2.49192	0.013659	0.270959
SCGB2A1;TMEM258;MS4A8	-0.28135	-2.49376	0.013591	0.270485
	-0.29818	-2.49442	0.013567	0.270397
ATP6VOA1;FKBP10;PTRF;STAT5B;TTC25;KRT20;KRT42P;STAT5A;				
LEPREL4;KRT12;KRT39;ENSG00000264058;ENSG00000234477	-0.22832	-2.49064	0.013707	0.271062
PTP4A3;BAI1;ENSG00000271959;ENSG00000261655	-0.47429	-2.49113	0.013689	0.271003
ABCC5;MAP3K13;ENSG00000273181;HTR3E;MCF2L2	-0.34685	-2.49334	0.013607	0.270583
TNXB;SLC44A4;NOTCH4;NELFE;VWA7;LY6G5C;C6orf10;ENSG00				
000225914;CLIC1;BAG6;DDR1	-0.22332	-2.48839	0.01379	0.271531
TBCD;C17orf62;PYCR1	-0.27758	-2.4891	0.013764	0.271348
	0.270095	2.49109	0.01369	0.271003
	-0.24067	-2.49372	0.013593	0.270485
OSBPL10	-0.35196	-2.48535	0.013905	0.272032
PPP1R32;MS4A8;LRRC10B;TMEM216;DAK;ENSG00000257052;				
SCGB1A1;CYB561A3;TMEM138;SCGB2A1;ENSG00000255446;T				
MEM132A;INCENP;VPS37C	-0.27417	-2.48749	0.013824	0.271714
	0.215991	2.491209	0.013686	0.271003
	0.318897	2.491149	0.013688	0.271003
	-0.18871	-2.49091	0.013697	0.27101
KLHDC7A;SDHB;ARHGEF10L	-0.30723	-2.49358	0.013598	0.270501
	0.263348	2.491677	0.013668	0.270974
	-0.16412	-2.48122	0.014061	0.272984
PYHIN1;ENSG00000225670;SLAMF1;CD84;LY9;CADM3;AIM2;C				
CDC19;ENSG00000213080;DARC	-0.35332	-2.49019	0.013723	0.271084
ZDHHC4;FSCN1	0.342647	2.488754	0.013777	0.271467
	0.273856	2.490303	0.013719	0.271084
SCN3B;HSPA8;C11orf63;ENSG00000255248;ATP5F1P5;CLMP	-0.37855	-2.49023	0.013722	0.271084
	0.288388	2.491537	0.013673	0.270974
	-0.33638	-2.4931	0.013615	0.270648
	0.301905	2.492252	0.013647	0.270826

SPINT2	0.331976	2.490244	0.013721	0.271084
	-0.21089	-2.49153	0.013674	0.270974
	-0.25628	-2.49289	0.013623	0.270737
	0.245812	2.491021	0.013693	0.271003
	-0.19492	-2.4896	0.013745	0.271211
	-0.38508	-2.48993	0.013733	0.271135
	0.327208	2.491564	0.013672	0.270974
	0.22234	2.488182	0.013798	0.271592
	-0.20203	-2.49084	0.013699	0.27101
ADAMTSL2;C9orf171;C9orf9;AK8;LINC00094;SURF1;SARDH;SURF2;MED22;CACFD1	-0.24799	-2.48346	0.013976	0.272453
CPSF1P1;SLC5A4	0.347753	2.49112	0.013689	0.271003
	0.372166	2.491916	0.013659	0.270959
PMP22;ADORA2B	0.306074	2.491546	0.013673	0.270974
	-0.21928	-2.49115	0.013688	0.271003
GORASP2	0.246312	2.491268	0.013683	0.271003
	0.204011	2.49036	0.013717	0.271084
	0.204276	2.491017	0.013693	0.271003
HRC;PLA2G4C;CARD8;TEAD2;RUVBL2;EHD2;RASIP1;SEPW1;PRRG2;CCDC114;RCN3;PIH1D1;CYTH2;HSD17B14	-0.31784	-2.48952	0.013749	0.271219
	-0.15321	-2.48851	0.013786	0.271519
	0.306613	2.488781	0.013776	0.271467
CEBPB;PTGIS	-0.34931	-2.48805	0.013803	0.271592
	0.253753	2.489526	0.013748	0.271219
DENND2D;CD53;FAM212B;DRAM2;KCNC4;PIFO;KCND3;LRIF1;CEPT1;KCNA3;ENSG00000259834;LAMTOR5-AS1;KCND3-AS1	-0.36113	-2.49255	0.013636	0.270793
	0.516913	2.491299	0.013682	0.271003
IQGAP3;SMG5;RAB25;TMEM79;PEAR1;RIT1;BCAN;DAP3;C1orf85	-0.29116	-2.49158	0.013672	0.270974
	-0.2399	-2.4917	0.013667	0.270974
	0.232684	2.490014	0.01373	0.271116
NLRC5	-0.31561	-2.4928	0.013626	0.270758
	-0.21156	-2.49146	0.013676	0.27098
HILPDA;UBE2H;KLHDC10	-0.36863	-2.48793	0.013808	0.271622
	0.180032	2.490633	0.013707	0.271062
	0.265509	2.490191	0.013723	0.271084
P2RX5	-0.2007	-2.48678	0.013851	0.271949
HERC2P3	0.373863	2.492377	0.013642	0.270793
	0.254919	2.489896	0.013734	0.271135
	0.197096	2.490228	0.013722	0.271084
CLDN7;WSCD1;ATP1B2;BCL6B;NLGN2;ZBTB4;MPDU1;MIR497HG;SLC2A4;TNFSF12;TXNDC17	0.215327	2.488827	0.013774	0.271467
	0.26536	2.492348	0.013643	0.270793
	0.290716	2.490082	0.013727	0.271116
B4GALNT4;TALDO1	-0.25569	-2.48601	0.01388	0.271981
	0.234088	2.488615	0.013782	0.271519

STEAP3	0.327892	2.488827	0.013774	0.271467
	0.196376	2.488513	0.013786	0.271519
	-0.18444	-2.48348	0.013975	0.272453
	0.318959	2.490951	0.013695	0.27101
	-0.2619	-2.49223	0.013648	0.270827
	0.309055	2.486266	0.01387	0.271981
	0.218876	2.492538	0.013636	0.270793
	0.213591	2.489925	0.013733	0.271135
	0.233523	2.492652	0.013632	0.270793
	0.278696	2.490822	0.0137	0.27101
PITPNC1;PRKCA;C17orf58 PRELP;FMOD	-0.12815	-2.48965	0.013743	0.271205
	0.232345	2.491555	0.013673	0.270974
	0.273736	2.490612	0.013708	0.271065
	0.266286	2.488757	0.013777	0.271467
	0.198328	2.489291	0.013757	0.271322
CD40	0.253512	2.490499	0.013712	0.271084
	-0.2421	-2.48684	0.013849	0.27193
	-0.21518	-2.49118	0.013687	0.271003
	0.210298	2.491282	0.013683	0.271003
	0.301745	2.483402	0.013978	0.272456
RAB17;COL6A3;IQCA1;MLPH;HES6 SIX1;SIX4;PCNXL4;MNAT1;SLC38A6;TMEM30B;C14orf39;CCDC 175;PRKCH	0.324039	2.488992	0.013768	0.271392
	0.32553	2.488443	0.013789	0.271531
	0.329862	2.488002	0.013805	0.271605
	0.296139	2.491031	0.013692	0.271003
	0.231102	2.487801	0.013813	0.271638
	-0.22239	-2.48873	0.013778	0.271474
	-0.26016	-2.49024	0.013722	0.271084
	-0.25948	-2.49047	0.013713	0.271084
	0.174651	2.485339	0.013905	0.272032
	0.237612	2.492021	0.013655	0.270933
ITK	0.270257	2.488562	0.013784	0.271519
	0.268349	2.485655	0.013893	0.272032
	0.413814	2.48933	0.013756	0.271306
	0.316153	2.483687	0.013967	0.272419
	0.306188	2.491899	0.01366	0.270959
DIO3OS;HSP90AA1;MEG8;DIO3	0.153658	2.484813	0.013925	0.272091
	0.267003	2.490307	0.013719	0.271084
	0.274062	2.491008	0.013693	0.271003
	0.229295	2.48959	0.013746	0.271211
	-0.18147	-2.48594	0.013882	0.271981
MRPS23	0.269974	2.491809	0.013663	0.270974
	0.246087	2.490257	0.013721	0.271084
SLC6A9;TMEM53;CCDC24;PTPRF;ST3GAL3;TCTEX1D4;ERI3;ATP 6V0B				

TTLL10;ANKRD65;C1orf222;ENSG00000272106;MXRA8;SAMD1 1;TTLL10-				
AS1;ATAD3A;RNF223;LINC01128;ENSG00000223764;CALML6;E NSG00000217801	-0.2231	-2.48543	0.013902	0.272032
DNAH17;ENSG00000267491;TNRC6C	0.382032	2.491486	0.013675	0.270974
	-0.15492	-2.48804	0.013804	0.271592
	0.360981	2.487309	0.013831	0.271744
	0.334934	2.486936	0.013845	0.271893
	-0.1609	-2.48806	0.013803	0.271592
	-0.22983	-2.49112	0.013689	0.271003
GATA2;ENSG00000244300;RUVBL1	0.227433	2.487773	0.013814	0.271638
SNORD3B-2;SNORD3B-1;SNORD3A;SNORD3D	0.262588	2.48592	0.013883	0.271981
	-0.34572	-2.48888	0.013772	0.271459
	-0.19809	-2.48937	0.013754	0.271288
RGS9	-0.15651	-2.48977	0.013739	0.27117
	0.338572	2.489579	0.013746	0.271211
TMEM37	-0.23405	-2.48985	0.013736	0.271135
	0.348434	2.485661	0.013893	0.272032
	0.256195	2.490765	0.013702	0.271023
	0.228429	2.484491	0.013937	0.272152
	0.25302	2.489166	0.013762	0.271348
	-0.65175	-2.49149	0.013675	0.270974
LMCD1;THUMP3	-0.32037	-2.48866	0.013781	0.271513
	-0.29657	-2.48858	0.013784	0.271519
	0.225629	2.488217	0.013797	0.271592
FAM83H-AS1;RHPN1-AS1;ARHGAP39;EEF1D;FAM83H	-0.26577	-2.48619	0.013873	0.271981
	-0.33279	-2.49161	0.013671	0.270974
	0.310223	2.489856	0.013736	0.271135
SKI;MXRA8;NADK;RER1;VWA1;LINC00982	0.447755	2.487148	0.013837	0.271787
	0.197119	2.490116	0.013726	0.271103
DCDC2B	0.274952	2.4895	0.013749	0.271219
	0.166319	2.48655	0.01386	0.271981
	-0.38583	-2.49024	0.013722	0.271084
	0.196965	2.488429	0.013789	0.271531
	0.277117	2.489628	0.013744	0.271211
	0.155575	2.490035	0.013729	0.271116
	0.213943	2.485563	0.013897	0.272032
	0.184748	2.484796	0.013926	0.272091
ZKSCAN1;BUD31;BAIAP2L1;COPS6;ZNF3;ZCWPW1;KPNA7;STA G3	-0.39676	-2.49043	0.013714	0.271084
	0.377476	2.489105	0.013764	0.271348
SMAD6;IGDCC4;VWA9	0.351189	2.488127	0.0138	0.271592
	0.28794	2.488075	0.013802	0.271592
	0.197687	2.482842	0.013999	0.272583
KIAA1755;VSTM2L	0.287656	2.491506	0.013675	0.270974
	-0.29661	-2.4827	0.014005	0.272617
	-0.29341	-2.48737	0.013829	0.271714

PCDH12;SPRY4;PCDH1;KIAA0141;FGF1;NR3C1;ENSG00000271871	0.328967	2.489658	0.013743	0.271205
	-0.3197	-2.48737	0.013829	0.271714
HLA-K	0.31201	2.487368	0.013829	0.271714
	0.202703	2.484208	0.013948	0.272237
	-0.36973	-2.48598	0.013881	0.271981
	0.396191	2.490562	0.01371	0.271084
	0.309775	2.489966	0.013732	0.271135
SMOC2	0.307748	2.489706	0.013741	0.271204
NRXN2;RASGRP2;MAP4K2;STIP1;PRDX5;PYGM;HRASLS2;VEGFB;RTN3;PLA2G16;CCDC88B	-0.30373	-2.4883	0.013794	0.271573
	-0.28745	-2.48675	0.013852	0.271954
HSP90AA1;MOK;ENSG00000259508;TRAF3;ENSG00000270108	-0.21992	-2.48146	0.014052	0.272912
COBL;IKZF1	0.174167	2.488074	0.013802	0.271592
IGF1R;SYNM;DNM1P46;LYSMD4;TTC23;ENSG00000261616	0.259383	2.481934	0.014034	0.272798
	-0.2103	-2.48927	0.013758	0.271324
	0.189723	2.485242	0.013909	0.27208
SNORA73B;SNHG3	-0.22406	-2.48557	0.013896	0.272032
	0.214356	2.486596	0.013858	0.271981
	-0.3155	-2.48587	0.013885	0.271981
BRK1	0.434661	2.489211	0.01376	0.271331
NAPSB;PPP1R15A;PIH1D1	-0.33495	-2.49002	0.01373	0.271116
	0.230241	2.486675	0.013855	0.271981
	-0.25377	-2.48555	0.013897	0.272032
RPS18;SLC39A7;VPS52	0.194108	2.485869	0.013885	0.271981
DYNC1I2;GORASP2	-0.43249	-2.48556	0.013897	0.272032
	0.203266	2.490166	0.013724	0.271084
DEF6	-0.2937	-2.48915	0.013762	0.271348
KIAA0922	-0.30737	-2.49032	0.013719	0.271084
	-0.21644	-2.4874	0.013827	0.271714
	0.183918	2.485955	0.013882	0.271981
	0.319686	2.487701	0.013816	0.271642
	0.267117	2.48595	0.013882	0.271981
	-0.28796	-2.48775	0.013814	0.271638
	0.349927	2.486067	0.013878	0.271981
MTMR9LP	-0.17809	-2.48334	0.013981	0.272491
	0.226334	2.487621	0.013819	0.271689
	0.252649	2.489422	0.013752	0.271263
	0.249913	2.484527	0.013936	0.272152
COL5A3;PDE4A;CDKN2D;QTRT1	0.552193	2.488106	0.013801	0.271592
JRKL	0.345807	2.48611	0.013876	0.271981
	0.264537	2.49019	0.013723	0.271084
	0.39333	2.489252	0.013758	0.271326
	0.271658	2.487965	0.013806	0.27161

GGT1;C22orf15;RAB36;GGT5;ENSG00000272019;RTDR1;GNAZ; FAM211B;ENSG00000232545 KLF11;CYS1;KIDINS220	-0.26649 0.273176 -0.27887 0.272372 -0.30276 0.14533 -0.29383 0.226031 0.317157	-2.48704 2.484829 -2.48846 2.485852 -2.48663 2.489086 -2.48879 2.485433 2.486432	0.013841 0.013924 0.013788 0.013886 0.013857 0.013765 0.013776 0.013902 0.013864	0.27185 0.272091 0.271531 0.271981 0.271981 0.271348 0.271467 0.272032 0.271981
LPCAT1;PDCD6;TPPP;TRIP13;NKD2;ENSG00000188002;AHRR CEP68 CASP3;RWDD4 ENSG00000229605 GTF2H3 PPP1R11 ENSG00000225914;CFB;HLA-C;C6orf10;NOTCH4 TPPP;LPCAT1 ENSG00000244167;FSCN1;RSPH10B;RSPH10B2;ENSG00000239696;C1GALT1 PRAM1;MYO1F;ENSG00000263264 FRMD4A;FAM107B;DCLRE1C KLHL18 RLTPR;CDH5;CMTM4;FAM65A;CES4A;ATP6V0D1;SLC12A4;GFO D2;ZDHHC1;CMTM3;FAM96B;TPPP3;TSNAXIP1 AGAP2	-0.25034 -0.22313 -0.37421 0.254619 0.185626 0.193407 -0.33878 0.276787 0.256978 0.22658 0.306099 0.257938 0.241306 0.323784 -0.46145 -0.2449 -0.23804 -0.27219 -0.15231 -0.25528 0.233254 0.218524 0.327239 0.196966 -0.3336 0.295816 0.218672 -0.37226 0.282439 0.262099 0.314928 -0.28077 0.30917 -0.36316	-2.48599 -2.48951 -2.48556 2.487544 2.486339 2.485521 -2.48781 2.486604 2.489867 2.485871 2.487802 2.486836 2.487516 2.486195 -2.48311 -2.48564 -2.48819 -2.48214 -2.48521 -2.48533 2.486673 2.486349 2.488539 2.484309 -2.489 2.487198 2.48469 -2.48498 2.48193 2.48288 2.486073 -2.48592 2.487989 -2.48877	0.01388 0.013749 0.013897 0.013822 0.013867 0.013898 0.013812 0.013858 0.013735 0.013885 0.013813 0.013849 0.013823 0.013873 0.013989 0.013894 0.013798 0.014026 0.01391 0.013906 0.013855 0.013867 0.013785 0.013944 0.013768 0.013835 0.01393 0.013919 0.014034 0.013998 0.013877 0.013883 0.013806 0.013776	0.271981 0.271219 0.272032 0.271714 0.271981 0.272032 0.271638 0.271981 0.271135 0.271981 0.271638 0.27193 0.271714 0.271981 0.272529 0.272032 0.271592 0.272798 0.27208 0.272032 0.271981 0.271981 0.271519 0.272216 0.271392 0.271775 0.272091 0.272091 0.272798 0.272568 0.271981 0.271981 0.271605 0.271467

RASAL2	0.274427	2.485828	0.013887	0.271986
	0.197053	2.481747	0.014041	0.272858
	0.283292	2.487441	0.013826	0.271714
	0.247431	2.488539	0.013785	0.271519
	0.162342	2.486591	0.013858	0.271981
	0.252808	2.486197	0.013873	0.271981
	0.334395	2.486249	0.013871	0.271981
ST6GAL2	0.369946	2.486962	0.013844	0.271888
	0.20248	2.488405	0.01379	0.271531
	-0.26792	-2.48604	0.013879	0.271981
	0.350154	2.485342	0.013905	0.272032
	-0.27902	-2.48061	0.014084	0.273153
CRYM	0.181574	2.481542	0.014049	0.272872
	-0.28916	-2.48436	0.013942	0.272212
	-0.22773	-2.48498	0.013919	0.272091
BCCIP;DHX32	-0.2338	-2.48465	0.013931	0.272091
	0.235165	2.486173	0.013874	0.271981
	0.212468	2.486171	0.013874	0.271981
GCH1;CNIH1;LGALS3;WDHD1;DLGAP5;CDKN3	-0.23835	-2.4841	0.013952	0.272289
	-0.4561	-2.48788	0.01381	0.271638
	0.241768	2.485016	0.013917	0.272091
FMNL3;CACNB3;C12orf68;KCNH3;SPATS2;WNT10B;TM6IM6;LMBR1L;CCDC65;ENSG00000258334	0.222082	2.483998	0.013956	0.272314
	-0.42857	-2.48717	0.013836	0.271781
	0.346897	2.488206	0.013797	0.271592
	-0.21856	-2.48742	0.013827	0.271714
S100P;EVC	-0.2189	-2.4823	0.01402	0.272798
	0.36393	2.484049	0.013954	0.272302
FA2H;CHST6;ENSG00000203472;RFWD3;TMEM170A	0.219431	2.485655	0.013893	0.272032
	-0.18835	-2.48485	0.013924	0.272091
	-0.33024	-2.48509	0.013914	0.272091
	-0.26947	-2.48658	0.013859	0.271981
HABP4;FANCC;PTCH1;SLC35D2;MIR27B;C9orf3;ENSG00000223849	0.316816	2.484768	0.013927	0.272091
	-0.38381	-2.48727	0.013833	0.271762
	-0.21678	-2.48402	0.013955	0.272311
HCP5;HLA-B;HLA-E;HLA-A;HLA-C;LTB;MICB;TNF;VAR2DPY19L2	0.301797	2.482893	0.013998	0.272568
	-0.31768	-2.48476	0.013927	0.272091
	-0.2717	-2.48607	0.013878	0.271981
TMEM25;PHLDB1;KMT2A;MPZL3ABHD14B	0.22732	2.486587	0.013858	0.271981
	0.27905	2.487779	0.013813	0.271638
	-0.19008	-2.48577	0.013889	0.272019
	0.169985	2.485858	0.013886	0.271981
	0.310458	2.486145	0.013875	0.271981
	-0.26667	-2.48518	0.013911	0.272089
ENSG00000272079;HS3ST6;HAGH;BAIAP3;IFT140;IL32;CLDN9	-0.24713	-2.48544	0.013901	0.272032



	0.198782	2.487718	0.013816	0.271642
SCUBE1;NUP50;ENSG00000226328;ENSG00000230922;PHF21B;PARVB	-0.30664	-2.48155	0.014049	0.272872
	0.268357	2.487524	0.013823	0.271714
CD40	-0.34529	-2.48607	0.013877	0.271981
TDRP	0.269057	2.487229	0.013834	0.271765
	0.341511	2.485433	0.013902	0.272032
	0.313133	2.485219	0.01391	0.27208
ZNF683;RUNX3	-0.25902	-2.48723	0.013834	0.271765
	0.216281	2.486417	0.013865	0.271981
	0.253726	2.487421	0.013827	0.271714
	0.208294	2.48744	0.013826	0.271714
SEC16A	-0.52909	-2.4802	0.0141	0.27327
GPRIN3	-0.35906	-2.48431	0.013944	0.272216
	-0.27587	-2.48603	0.013879	0.271981
	0.192664	2.48696	0.013844	0.271888
	-0.16731	-2.48651	0.013861	0.271981
	0.254702	2.486193	0.013873	0.271981
RSG1;C1orf134;ENSG00000233421	0.201779	2.484927	0.013921	0.272091
	-0.1937	-2.4805	0.014088	0.273165
	-0.2457	-2.48375	0.013965	0.27241
	0.241963	2.481938	0.014034	0.272798
	0.183975	2.486378	0.013866	0.271981
ZDHHC14	-0.29383	-2.48206	0.014029	0.272798
	-0.27965	-2.48138	0.014055	0.272918
ERBB3;ITGA7;TIMELESS;WIBG;GDF11;ATP5B;DGKA;RPS26;MM P19	-0.5455	-2.48481	0.013925	0.272091
	-0.23624	-2.48424	0.013947	0.272237
BNIPL;ENSA;THEM4;CGN	-0.36584	-2.48774	0.013815	0.271638
SLC37A1;C21orf128;RSPH1;TMPRSS2;UMODL1;TMPRSS3;ENSG00000225431;LINC00479;LINC00111;PDE9A;ZNF295-AS1;ENSG00000235772	-0.32909	-2.48678	0.013851	0.271949
	-0.25959	-2.4813	0.014058	0.272954
	0.243963	2.483447	0.013977	0.272453
ARHGEF10;MYOM2	-0.33415	-2.48321	0.013985	0.272509
	0.229523	2.485981	0.013881	0.271981
	-0.33946	-2.48207	0.014029	0.272798
	-0.17199	-2.48447	0.013938	0.272152
	-0.18458	-2.48652	0.013861	0.271981
DLL4;ENSG00000261183;RMDN3;C15orf52;GPR176	0.258643	2.481644	0.014045	0.272872
	-0.26603	-2.48494	0.01392	0.272091
	0.239801	2.486141	0.013875	0.271981
CSPG4;ISLR;SCAMP2;COX5A;SNX33	-0.30041	-2.4809	0.014073	0.273073
	0.311723	2.484215	0.013947	0.272237
PALD1;COL13A1;SGPL1;ADAMTS14	-0.36086	-2.48516	0.013912	0.272089

UNC93B1;FAM86C2P;ALDH3B1;ENSG00000254610;AIP;GSTP1; ENSG00000255306;PITPNM1;ALDH3B2;TBC1D10C;ALG1L8P;C DK2AP2;ENSG00000251637;CARNS1	-0.32154	-2.48476	0.013927	0.272091
	-0.32521	-2.486	0.01388	0.271981
	0.391149	2.48566	0.013893	0.272032
SHC2;PPAP2C;MISP;ARID3A;FSTL3	0.343105	2.485369	0.013904	0.272032
	0.2857	2.483782	0.013964	0.272399
	-0.41303	-2.48506	0.013915	0.272091
RHOV;SPINT1	-0.30116	-2.48491	0.013921	0.272091
	-0.38509	-2.48385	0.013961	0.272372
	0.181099	2.484204	0.013948	0.272237
ZNF815P	-0.33111	-2.48369	0.013967	0.272419
	0.345688	2.484773	0.013926	0.272091
	0.273154	2.478207	0.014176	0.27382
	0.271788	2.487797	0.013813	0.271638
	-0.29853	-2.48774	0.013815	0.271638
	0.197102	2.481549	0.014049	0.272872
	-0.16376	-2.48289	0.013998	0.272568
	-0.16204	-2.48358	0.013972	0.272453
	0.184214	2.484851	0.013923	0.272091
	0.254583	2.485914	0.013883	0.271981
GPR133	-0.26258	-2.48515	0.013912	0.272089
	-0.36548	-2.48691	0.013846	0.271901
	-0.26744	-2.48593	0.013883	0.271981
	0.272001	2.48039	0.014093	0.273169
	0.126831	2.480868	0.014074	0.273073
SDF2;TWF1P1;ENSG00000266987	-0.24173	-2.48415	0.01395	0.272265
PARP15	0.238051	2.484486	0.013937	0.272152
VCAM1	-0.30543	-2.48476	0.013927	0.272091
	0.280593	2.479776	0.014116	0.273446
	0.38891	2.483225	0.013985	0.272509
	0.161953	2.483165	0.013987	0.272519
	-0.24188	-2.48272	0.014004	0.272617
	0.197279	2.48257	0.01401	0.272684
EMR2;CACNA1A;IL27RA;DNAJB1	0.340181	2.484714	0.013929	0.272091
	0.214748	2.484754	0.013927	0.272091
	0.255106	2.483876	0.01396	0.272367
	-0.18178	-2.48476	0.013927	0.272091
GLT8D2	-0.35242	-2.48539	0.013903	0.272032
	0.240199	2.483023	0.013993	0.272554
	0.136907	2.481942	0.014034	0.272798
	0.222237	2.480775	0.014078	0.273105
ENSG00000227954	-0.2975	-2.48274	0.014003	0.272617
ENSG00000270402	-0.13938	-2.48538	0.013904	0.272032
DKK3;MICALCL	0.252373	2.482094	0.014028	0.272798
CXCR4;THSD7B	0.254463	2.483484	0.013975	0.272453
	0.234623	2.481114	0.014065	0.27299

	-0.22338	-2.48547	0.0139	0.272032
LOH12CR1	-0.34446	-2.483	0.013993	0.272554
SLC2A10;ZMYND8;SLC13A3	-0.31673	-2.48352	0.013974	0.272453
	0.220195	2.480403	0.014092	0.273169
ATP1A2	0.34849	2.484662	0.013931	0.272091
	-0.21507	-2.48015	0.014102	0.27328
	0.164148	2.483551	0.013973	0.272453
	0.216066	2.480232	0.014099	0.273258
	0.309436	2.479639	0.014121	0.273471
	0.223645	2.48564	0.013894	0.272032
	0.259781	2.4843	0.013944	0.272216
	0.195902	2.48216	0.014025	0.272798
PKNOX2	0.263687	2.483007	0.013993	0.272554
	0.280352	2.480491	0.014089	0.273165
	0.253618	2.475152	0.014294	0.274546
	0.298761	2.483586	0.013971	0.272453
AFAP1L2	-0.31352	-2.4845	0.013937	0.272152
INPP5A;LRRC27;ECHS1	0.346319	2.482509	0.014012	0.272717
	0.215353	2.484935	0.01392	0.272091
CCDC126	-0.39914	-2.48349	0.013975	0.272453
	-0.22189	-2.48296	0.013995	0.272554
	-0.38004	-2.48352	0.013974	0.272453
	-0.33854	-2.48477	0.013926	0.272091
NRROS	0.386219	2.486185	0.013873	0.271981
TAP1;TAP2;HLA-DMB;HLA-DOA;HLA-DMA;TAPSAR1;PSMB9;HLA-DPB1;HLA-DRA;HLA-DPA1;C2;RING1	0.395017	2.484657	0.013931	0.272091
	0.238812	2.483439	0.013977	0.272453
	-0.27674	-2.48319	0.013986	0.272513
	0.257948	2.481871	0.014036	0.27281
	-0.17205	-2.48274	0.014003	0.272617
	-0.24357	-2.4837	0.013967	0.272419
	-0.18692	-2.48394	0.013958	0.272329
	0.331046	2.484669	0.01393	0.272091
	0.199987	2.483224	0.013985	0.272509
	0.208448	2.48295	0.013995	0.272554
HSPB11;TCEANC2;PODN;LDLRAD1;SLC1A7;TMEM59	0.287099	2.479649	0.014121	0.273471
	-0.26065	-2.48223	0.014022	0.272798
KIF11;PLCE1	-0.2753	-2.4831	0.01399	0.272529
WDR5B	-0.1829	-2.48218	0.014025	0.272798
SCN5A;MYRIP;RPSA;XYLB	-0.29594	-2.48157	0.014048	0.272872
	0.281591	2.483101	0.01399	0.272529
	-0.19365	-2.48395	0.013957	0.272329
CLIP1	-0.34842	-2.48118	0.014063	0.272988
	-0.47711	-2.48324	0.013984	0.272509
	0.23186	2.481863	0.014037	0.27281
PXDNL;RB1CC1	-0.33085	-2.47851	0.014164	0.273725

IFFO1;VWF;ANO2;C1R;CLSTN3;SCNN1A;C1S;RBP5;C1RL- AS1;CD9;CD27;LEPREL2;ENSG00000257084;C1RL;CD163L1;ENS G00000256967	-0.37062	-2.48295	0.013995	0.272554
	-0.1839	-2.4827	0.014005	0.272617
TTC26	-0.23324	-2.48165	0.014045	0.272872
	-0.38514	-2.48174	0.014041	0.272858
	0.197733	2.484563	0.013934	0.272146
PARVA	0.288131	2.47705	0.014221	0.273991
	0.310701	2.481238	0.01406	0.272984
	0.408594	2.476984	0.014223	0.273997
CSF1;CLCC1	-0.37253	-2.48068	0.014082	0.27315
	-0.3655	-2.48061	0.014084	0.273153
	-0.32841	-2.48263	0.014007	0.272653
	-0.18311	-2.47511	0.014295	0.274556
MANSC1;ETV6;PRB2	-0.35382	-2.47609	0.014258	0.274285
	0.252695	2.4809	0.014073	0.273073
CD2;CD58;VTCN1;CD101;CASQ2	-0.29294	-2.48107	0.014067	0.273006
	-0.22666	-2.48201	0.014031	0.272798
	0.213085	2.483629	0.01397	0.27245
SNHG10	0.275161	2.47956	0.014124	0.273482
	0.222548	2.484079	0.013953	0.272292
ASTN2	0.242945	2.478601	0.014161	0.273711
	0.371355	2.484356	0.013942	0.272212
SNORA73B	-0.25098	-2.48207	0.014029	0.272798
TIGIT	0.376171	2.482366	0.014018	0.272786
	-0.27718	-2.48383	0.013962	0.272375
	0.294159	2.478836	0.014152	0.273609
RAC2	0.178773	2.481168	0.014063	0.272988
RCAN3;RUNX3;PDIK1L;UBXN11;HMGN2	-0.26088	-2.47794	0.014186	0.273841
	-0.26349	-2.48106	0.014067	0.273006
	-0.27611	-2.47976	0.014117	0.273449
	-0.24985	-2.4788	0.014153	0.273621
	0.390121	2.481977	0.014032	0.272798
	0.208859	2.481115	0.014065	0.27299
	0.21046	2.479225	0.014137	0.27356
AFAP1	-0.23088	-2.48055	0.014087	0.273153
	-0.45144	-2.48329	0.013982	0.272509
	0.327325	2.481942	0.014034	0.272798
HOXD3;HOXD-AS1	-0.30382	-2.48088	0.014074	0.273073
	0.244073	2.48173	0.014042	0.272858
ENSG00000172974	-0.43916	-2.47687	0.014227	0.274023
INPP4A;ZAP70;TMEM131;CNNM4	-0.29091	-2.48242	0.014016	0.272773
	-0.24479	-2.48091	0.014073	0.273073
CNNM2;NPM3	-0.19387	-2.47808	0.014181	0.27382
NR2F6;B3GNT3;USHBP1;PLVAP;MYO9B;GDF15;LSM4;JAK3;SIN 3B;ENSG00000269044	-0.37278	-2.48155	0.014048	0.272872
FLI1;ARHGAP32;ETS1;TMEM45B;TP53AIP1;SENCR	-0.28411	-2.48211	0.014027	0.272798

	0.192011	2.47904	0.014144	0.273599
	0.329848	2.475759	0.01427	0.274367
	0.252065	2.481347	0.014056	0.27293
	0.23974	2.4798	0.014115	0.273441
ENSG00000257009;ENSG00000256079;IFLTD1;ENSG00000255864	0.618116	2.483215	0.013985	0.272509
	-0.29335	-2.48279	0.014001	0.272607
	-0.21199	-2.48297	0.013995	0.272554
	-0.14251	-2.48114	0.014064	0.27299
PFKFB2	-0.39081	-2.47932	0.014133	0.273525
WDR43	-0.40163	-2.48043	0.014091	0.273169
SLFN5;RFFL;UNC45B	0.202257	2.481389	0.014055	0.272918
	0.214841	2.477531	0.014202	0.273956
	0.214681	2.479869	0.014113	0.273427
IGSF11	0.375101	2.480462	0.01409	0.273169
C3orf52;PVRL3;ENSG00000261488	-0.4474	-2.47746	0.014205	0.273964
	0.341997	2.482187	0.014024	0.272798
	0.325193	2.481928	0.014034	0.272798
	0.302152	2.476148	0.014255	0.274252
	-0.22453	-2.48229	0.01402	0.272798
	-0.21969	-2.48065	0.014083	0.27315
	-0.26155	-2.47899	0.014146	0.273599
STMN3;ZBTB46;SOX18;GATA5;C20orf166-AS1	-0.2285	-2.47938	0.014131	0.273504
TAPBP;TAP1;HLA-DOA;HLA-DRA	-0.22388	-2.48139	0.014055	0.272918
	-0.33773	-2.4816	0.014047	0.272872
	0.183244	2.480152	0.014102	0.27328
	0.12274	2.47853	0.014164	0.273724
	0.345411	2.473839	0.014344	0.274843
ENSG00000225140	0.232063	2.479181	0.014139	0.273576
	0.315019	2.478867	0.014151	0.273609
	0.2841	2.477087	0.014219	0.273991
	0.235464	2.477896	0.014188	0.273846
CSRP3	-0.16049	-2.48216	0.014025	0.272798
	0.335896	2.481565	0.014048	0.272872
	0.255586	2.482093	0.014028	0.272798
	0.253991	2.479002	0.014146	0.273599
CERK	-0.38402	-2.48068	0.014082	0.27315
	0.297818	2.478051	0.014182	0.273831
GPR114;MT1M	-0.35157	-2.48212	0.014027	0.272798
	0.261655	2.481933	0.014034	0.272798
SCNN1A;IFFO1;VWF;C1R;C1S;PLEKHG6;LEPREL2;ENSG00000271969;SPSB2	-0.31078	-2.48079	0.014077	0.273105
CD7;SECTM1	0.169797	2.480801	0.014077	0.273105
	-0.61929	-2.48164	0.014045	0.272872
	0.39712	2.480007	0.014107	0.273375
	0.25854	2.480572	0.014086	0.273153
	-0.2735	-2.47875	0.014155	0.273647

	-0.17505	-2.47964	0.014121	0.273471
	0.262311	2.480591	0.014085	0.273153
	0.223817	2.479954	0.014109	0.273401
RASSF1	0.24694	2.480881	0.014074	0.273073
PLN;SLC35F1;MCM9;FAM184A	-0.39492	-2.47887	0.014151	0.273609
	-0.25216	-2.48121	0.014062	0.272984
	0.428848	2.482381	0.014017	0.272786
	0.170843	2.478215	0.014176	0.27382
IGF2;TSPAN4	-0.31784	-2.48054	0.014087	0.273153
	-0.30302	-2.48342	0.013977	0.272453
	-0.13032	-2.47826	0.014174	0.27382
FENDRR;FOXF1;FOXL1	0.401455	2.479405	0.01413	0.273498
LAMC2;LAMC1;COLGALT2;NCF2;RGS16;RNASEL;APOBEC4	-0.33797	-2.48148	0.014051	0.27291
NEK11	-0.35144	-2.48065	0.014083	0.27315
	0.302973	2.478457	0.014166	0.273741
KLHDC8B;PFKFB4;PLXNB1;KIF9-				
AS1;LAMB2;ENSG00000270441;FBXW12	0.209733	2.472425	0.014399	0.275206
	0.281362	2.479318	0.014134	0.273525
ZNF101	0.567982	2.479423	0.01413	0.273497
CEP290;POC1B	-0.3728	-2.4776	0.014199	0.273932
	-0.56035	-2.47459	0.014315	0.274719
EML6	-0.25799	-2.4798	0.014115	0.273441
ASPA;ENSG00000263050;TRPV3;HIC1;C17orf85;ENSG0000026				
2758	-0.34496	-2.48143	0.014053	0.272917
TIMP2;C1QTNF1;CBX8	-0.76704	-2.47898	0.014147	0.273599
	0.490002	2.479112	0.014141	0.273595
	0.229331	2.478082	0.014181	0.27382
	0.304312	2.479733	0.014118	0.273454
PODNL1	0.234358	2.482071	0.014029	0.272798
	-0.14281	-2.47884	0.014152	0.273609
	0.214121	2.479452	0.014128	0.273497
ADCY7	-0.17004	-2.48191	0.014035	0.272801
ENSG00000073169;TUBGCP6;ARSA;SHANK3;PPP6R2;TRABD	0.232831	2.481841	0.014037	0.272813
	0.294572	2.477984	0.014185	0.273841
SLC11A2;DAZAP2;METTL7A	-0.38907	-2.4796	0.014123	0.273473
STK10	0.305154	2.480419	0.014092	0.273169
	0.2504	2.477032	0.014221	0.273992
	0.196809	2.480269	0.014097	0.273243
	-0.2984	-2.47739	0.014208	0.273981
CCDC3	0.265999	2.474829	0.014306	0.274651
ENSG00000248932	-0.35259	-2.47717	0.014216	0.273991
	0.144212	2.477767	0.014193	0.273879
KLHDC7A;NBL1	0.256811	2.476911	0.014226	0.274022
	0.188889	2.47906	0.014143	0.273599
CEP290	-0.37161	-2.47775	0.014194	0.273879

ATG9B	0.256065	2.478488	0.014165	0.273731
SLC16A9;PHYHIPL	0.363046	2.473361	0.014363	0.274962
	0.245903	2.477095	0.014219	0.273991
TLR2	-0.40488	-2.4787	0.014157	0.273674
	-0.39	-2.47772	0.014195	0.273879
	0.236775	2.475955	0.014263	0.27435
TSPAN32;MRPL23;C11orf21;LSP1;TSPAN4	-0.21573	-2.47626	0.014251	0.274224
	0.196389	2.47989	0.014112	0.273424
	0.261122	2.478143	0.014179	0.27382
	0.148224	2.480385	0.014093	0.273169
	0.197896	2.479425	0.014129	0.273497
	0.235917	2.478022	0.014183	0.273832
	-0.20064	-2.47288	0.014382	0.275048
	0.303514	2.478097	0.01418	0.27382
	0.285641	2.478126	0.014179	0.27382
	0.229999	2.477052	0.01422	0.273991
C6orf132;TRERF1;ENSG00000261068;GLTSCR1L	-0.3255	-2.47436	0.014324	0.274791
	-0.22791	-2.47406	0.014336	0.274843
	0.190325	2.479625	0.014122	0.273471
	0.364917	2.479106	0.014142	0.273595
	0.173688	2.479849	0.014113	0.273429
ENSG00000205890;CLUAP1	0.202121	2.476243	0.014252	0.274224
	0.146434	2.477453	0.014205	0.273964
ENSG00000266100;DYNLL2;MSI2	0.438772	2.476466	0.014243	0.274183
	0.287886	2.47772	0.014195	0.273879
	0.350767	2.478949	0.014148	0.273599
	0.170719	2.478996	0.014146	0.273599
	-0.16148	-2.47789	0.014188	0.273846
	-0.20495	-2.4784	0.014169	0.273767
	0.494485	2.479085	0.014142	0.273598
	-0.2602	-2.47721	0.014214	0.273991
TM9SF2;STK24	0.354676	2.473904	0.014342	0.274843
	0.164357	2.475271	0.014289	0.274546
PROM1;CD38;CC2D2A;FBXL5;LDB2;BST1;FGFBP2	-0.29389	-2.47942	0.01413	0.273497
	0.197857	2.473581	0.014354	0.274898
	0.18181	2.478257	0.014174	0.27382
TBX3;TBX5;TBX5-AS1	-0.27767	-2.46765	0.014586	0.276214
CORIN;TEC	-0.3661	-2.47778	0.014193	0.273879
	-0.19522	-2.47375	0.014348	0.274843
	-0.23159	-2.47638	0.014246	0.274224
	0.201377	2.47578	0.014269	0.274367
	-0.17849	-2.47951	0.014126	0.273493
	0.266596	2.477182	0.014215	0.273991
GNA12;IQCE;PSMG3	-0.20292	-2.47309	0.014373	0.275005
	0.250686	2.479656	0.014121	0.273471
	-0.26098	-2.47673	0.014233	0.274058
	-0.34913	-2.47691	0.014226	0.274022

ANKFN1;MSI2;MRPS23;DGKE	-0.41659	-2.47779	0.014192	0.273879
	0.120106	2.476477	0.014243	0.274183
C6orf211	-0.44425	-2.47834	0.014171	0.273794
	0.246581	2.477125	0.014218	0.273991
	0.253772	2.478642	0.014159	0.273703
NUP210;CHCHD4;C3orf83	0.287221	2.47952	0.014126	0.273493
	-0.30803	-2.47991	0.014111	0.273419
	0.235949	2.474178	0.014331	0.274843
TRAF1;PHF19;CNTRL;GGTA1P;ENSG00000214654	0.32809	2.477086	0.014219	0.273991
	0.255694	2.478388	0.014169	0.273767
CALHM2;NT5C2;SH3PXD2A	0.194743	2.472989	0.014377	0.275035
	0.243098	2.468158	0.014566	0.276196
KMT2D	-0.2223	-2.47895	0.014148	0.273599
	-0.45684	-2.47397	0.014339	0.274843
ENSG00000113811	0.234629	2.47914	0.01414	0.273595
	0.188436	2.476889	0.014227	0.274023
	0.232816	2.478894	0.01415	0.273609
	0.28285	2.475738	0.014271	0.27437
	-0.30698	-2.4789	0.014149	0.273609
PYHIN1	-0.42887	-2.47858	0.014162	0.273711
	0.158476	2.472358	0.014402	0.275206
	-0.20516	-2.47459	0.014315	0.274719
	-0.39408	-2.47707	0.01422	0.273991
	0.196843	2.477432	0.014206	0.273967
	0.236302	2.475345	0.014286	0.274544
	-0.13627	-2.47724	0.014213	0.273991
	0.23521	2.477497	0.014203	0.273959
	-0.15213	-2.47795	0.014186	0.273841
	-0.30468	-2.47443	0.014321	0.274749
	0.370048	2.478224	0.014175	0.27382
BNIP1;THEM4	0.321566	2.477941	0.014186	0.273841
RNF125	0.311108	2.476699	0.014234	0.274066
POLD3;SLCO2B1;SERPINH1;KCNE3	0.255704	2.474802	0.014307	0.274652
ESPN	0.284755	2.4781	0.01418	0.27382
F10;GAS6	-0.30584	-2.47812	0.014179	0.27382
	-0.35969	-2.47628	0.01425	0.274224
RNU1-1;SDHB	0.217306	2.475948	0.014263	0.27435
VILL	-0.22244	-2.47501	0.014299	0.274582
CDC42BPA	-0.33681	-2.47959	0.014123	0.273473
	0.244863	2.477351	0.014209	0.273981
	-0.30279	-2.4728	0.014385	0.275086
	0.242665	2.475183	0.014292	0.274546
	0.215473	2.475486	0.014281	0.274483
RHOH	-0.35209	-2.47926	0.014136	0.273552
FXD5	-0.21554	-2.47398	0.014339	0.274843
	0.176297	2.468931	0.014536	0.276043
CDHR3;EFCAB10;ENSG00000272604	-0.24271	-2.47542	0.014283	0.27452



	0.224937	2.477881	0.014189	0.273846
	-0.23965	-2.47706	0.01422	0.273991
CERK;FBLN1;WNT7B;RIBC2;ATXN10;ENSG00000234869;CELSR1	-0.26252	-2.47141	0.014439	0.27543
	-0.26021	-2.47922	0.014137	0.27356
	0.158472	2.473437	0.01436	0.274955
	-0.17032	-2.47711	0.014218	0.273991
	0.300427	2.479487	0.014127	0.273497
ISYNA1;B3GNT3;GDF15;SLC25A42	-0.63213	-2.47698	0.014223	0.273997
	-0.23494	-2.47475	0.014309	0.274671
B3GNT7	-0.27834	-2.47622	0.014252	0.274224
	-0.26155	-2.47766	0.014197	0.273899
	-0.68406	-2.47229	0.014405	0.275206
	0.318047	2.473537	0.014356	0.274906
	0.142519	2.470868	0.01446	0.275492
	0.256287	2.474793	0.014307	0.274652
	0.15954	2.470992	0.014455	0.275492
	0.205113	2.478016	0.014183	0.273832
	0.284886	2.477784	0.014192	0.273879
	-0.38687	-2.476	0.014261	0.274335
TPPP;NKD2;PDCD6;LPCAT1;TRIP13;ZDHHC11B;AHRR;ENSG0000188002;ZDHHC11	0.344168	2.472079	0.014413	0.275222
	-0.18661	-2.47413	0.014333	0.274843
ALDH1L1	-0.22449	-2.47715	0.014217	0.273991
	0.251992	2.476278	0.01425	0.274224
SNHG16	-0.19885	-2.47225	0.014406	0.275206
	-0.24421	-2.47622	0.014252	0.274224
CLN8	-0.27009	-2.47389	0.014342	0.274843
ACAP1;CLEC10A;KCTD11;CTC1	-0.2459	-2.47812	0.01418	0.27382
	0.210303	2.475532	0.014279	0.274473
	-0.26142	-2.47533	0.014287	0.274544
ZKSCAN1;EPHB4;ZNF3;GAL3ST4;KPNA7;BUD31;STAG3;ZCWPW1;ACHE;ENSG00000239521;PCOLCE;TRIP6;AP4M1;CPSF4;MYH16;MCM7;ATP5J2	-0.41998	-2.47561	0.014276	0.274441
	0.271148	2.477363	0.014208	0.273981
	-0.26137	-2.47683	0.014229	0.274043
CYFIP2	0.131853	2.476789	0.014231	0.274058
	-0.45118	-2.47859	0.014162	0.273711
	-0.20274	-2.47235	0.014402	0.275206
	0.197475	2.474827	0.014306	0.274651
	0.257431	2.47364	0.014352	0.274866
	0.23824	2.470965	0.014456	0.275492
	0.354013	2.477694	0.014196	0.273885
	0.183479	2.47244	0.014399	0.275206
	0.244499	2.476747	0.014232	0.274058
	0.194709	2.473713	0.014349	0.274849
LFNG	0.31266	2.47631	0.014249	0.274224

BAIAP2;PCYT2;SLC25A10	-0.29721	-2.47504	0.014298	0.274582
	-0.3022	-2.47855	0.014163	0.273719
	-0.26975	-2.4712	0.014447	0.275491
	0.127637	2.472528	0.014395	0.275176
	-0.38911	-2.47757	0.0142	0.273936
	0.173095	2.476765	0.014231	0.274058
	0.31772	2.473241	0.014368	0.274962
	0.383483	2.476727	0.014233	0.274058
	0.256818	2.475856	0.014266	0.274367
	-0.26805	-2.47588	0.014266	0.274367
	0.290377	2.476975	0.014223	0.273997
	0.224262	2.477494	0.014203	0.273959
	0.229895	2.477337	0.014209	0.273981
	0.121809	2.476201	0.014253	0.274224
	0.309883	2.475584	0.014277	0.274447
	0.359245	2.476553	0.01424	0.274149
ZNF101	0.375453	2.475216	0.014291	0.274546
	0.160132	2.471103	0.014451	0.275491
	0.300318	2.471025	0.014454	0.275491
THSD1	0.242893	2.469512	0.014513	0.275902
FAM83C;TRPC4AP	0.276725	2.472131	0.014411	0.275211
	0.246369	2.474987	0.0143	0.274582
	0.331012	2.476597	0.014238	0.274129
	0.213455	2.475161	0.014293	0.274546
	0.308415	2.474949	0.014301	0.274597
	0.365143	2.477061	0.01422	0.273991
RFX2	0.251141	2.477331	0.01421	0.273981
	0.484125	2.475786	0.014269	0.274367
	0.262502	2.473851	0.014344	0.274843
TET3	-0.22208	-2.47593	0.014264	0.274355
MSI2;DGKE;EPX;MKS1;VEZF1;COIL	-0.36734	-2.47267	0.01439	0.275127
HSD17B8;ZBTB22	-0.53788	-2.47221	0.014407	0.275211
	-0.16882	-2.47407	0.014335	0.274843
ESPN	-0.23301	-2.47228	0.014405	0.275206
SRGAP3-AS2;ENSG00000206567;LMCD1;IRAK2	-0.27537	-2.47564	0.014275	0.274432
MFSD6;GLS	-0.33397	-2.47219	0.014408	0.275211
	0.27789	2.470982	0.014455	0.275492
ENSG00000261659;ENSG00000196674;METRN	-0.47803	-2.4772	0.014215	0.273991
	-0.29206	-2.47453	0.014318	0.274725
HLA-H	0.229737	2.473941	0.01434	0.274843
LINC00639;CLEC14A	0.32353	2.476457	0.014243	0.274183
RLTPR;GFOD2;CMTM4;SLC12A4;CMTM3;SMPD3	-0.27367	-2.47384	0.014344	0.274843
	-0.14666	-2.47082	0.014462	0.275492
	-0.21366	-2.4763	0.014249	0.274224
	0.23081	2.472884	0.014381	0.275048
	0.264704	2.473839	0.014344	0.274843
	0.286617	2.472337	0.014403	0.275206

	0.249972	2.474148	0.014332	0.274843
	-0.34024	-2.47449	0.014319	0.274744
	0.147793	2.47174	0.014426	0.275317
	0.246557	2.473669	0.014351	0.274857
FLCN	-0.19415	-2.47519	0.014292	0.274546
	-0.2909	-2.47539	0.014284	0.274528
TSPAN1;TAL1;ZSWIM5	0.213767	2.474989	0.0143	0.274582
	0.300771	2.474429	0.014322	0.274749
	0.199573	2.473542	0.014356	0.274906
TOMM40;SNRPD2	-0.22509	-2.47184	0.014422	0.275296
ZNF683	-0.26233	-2.47523	0.014291	0.274546
	-0.38265	-2.47321	0.014369	0.274963
CLIP1;ENSG00000256304	-0.35097	-2.47377	0.014347	0.274843
TTC12;ZW10;TMPRSS5	-0.42708	-2.47125	0.014445	0.275491
	0.228438	2.472886	0.014381	0.275048
	-0.19417	-2.47368	0.014351	0.274857
CCT7;MOB1A	-0.19368	-2.47298	0.014378	0.275035
SLC35F5;IL1B	0.270194	2.472328	0.014403	0.275206
	-0.38013	-2.47409	0.014335	0.274843
	-0.22835	-2.47621	0.014253	0.274224
GJC1;MEOX1;TMEM106A;EFTUD2;ACBD4;GPATCH8	-0.28869	-2.47053	0.014473	0.275598
SUN1	-0.2953	-2.47377	0.014347	0.274843
STX16	0.145833	2.468445	0.014555	0.276196
DCHS1;ARFIP2;OLFML1;PRKCDBP;ILK	0.239125	2.468206	0.014564	0.276196
CASZ1;ENSG00000271264	-0.36521	-2.47424	0.014329	0.274843
PTPRJ	-0.34777	-2.47503	0.014298	0.274582
	-0.29573	-2.47511	0.014295	0.274556
	-0.27924	-2.47388	0.014343	0.274843
	0.251414	2.471825	0.014423	0.275296
	-0.3439	-2.47623	0.014252	0.274224
	0.13278	2.475193	0.014292	0.274546
	0.194625	2.473716	0.014349	0.274849
	0.225874	2.473957	0.01434	0.274843
ATG5	0.36515	2.473378	0.014362	0.274962
	0.238225	2.473145	0.014371	0.275
	0.342583	2.475836	0.014267	0.274367
TP73-AS1	-0.1982	-2.47579	0.014269	0.274367
CD80	-0.30611	-2.47577	0.01427	0.274367
	-0.16989	-2.47305	0.014375	0.275022
C11orf63;ATP5F1P5;ENSG00000255248	-0.20736	-2.46977	0.014503	0.27581
C10orf115;C10orf67;OTUD1;ENKUR;THNSL1	-0.24699	-2.47237	0.014401	0.275206
	0.318612	2.468716	0.014544	0.276109
	-0.16552	-2.47109	0.014451	0.275491
	0.240754	2.471521	0.014434	0.275381
ENSG00000272181	-0.15205	-2.47167	0.014428	0.275322
	0.272803	2.474606	0.014315	0.274719
	0.225408	2.469128	0.014528	0.276006

	-0.25521	-2.4722	0.014408	0.275211
	0.270713	2.471216	0.014446	0.275491
	0.216492	2.47323	0.014368	0.274962
	0.275176	2.472598	0.014392	0.275169
DCTN5	0.366056	2.472025	0.014415	0.275234
	0.31366	2.473786	0.014346	0.274843
	0.20494	2.475514	0.01428	0.274475
FER1L6	0.33048	2.47577	0.01427	0.274367
	0.230896	2.469882	0.014498	0.275807
	-0.21306	-2.46873	0.014543	0.276109
	-0.24965	-2.47112	0.01445	0.275491
STK10	0.236179	2.474545	0.014317	0.274725
PKIG;TOMM34;RIMS4	-0.36255	-2.47425	0.014328	0.274843
NAP1L4;IGF2;TSPAN32;C11orf21;TSSC2;OSBPL5;BRSK2	-0.34599	-2.47532	0.014287	0.274544
	0.303868	2.473344	0.014364	0.274962
TGFB11;STX4;C16orf93;PHKG2;ZNF688;SETD1A;DOC2A;HSD3B7;CTF1;TMEM219;ARMC5;GDPD3;FBXL19	-0.31614	-2.46947	0.014515	0.275902
KIF21B;C1orf106	-0.16142	-2.4694	0.014517	0.275902
COL5A1;OLFM1;C9orf116	0.257048	2.465821	0.014658	0.276547
	0.130641	2.472066	0.014413	0.275222
	-0.3949	-2.47122	0.014446	0.275491
	-0.17469	-2.46935	0.014519	0.275912
YRDC	-0.23605	-2.47296	0.014378	0.275035
	0.248266	2.471487	0.014436	0.275394
	0.233459	2.475167	0.014293	0.274546
	0.144571	2.474667	0.014312	0.274714
	0.218793	2.472262	0.014406	0.275206
SLC12A4;ATP6V0D1;FAM65A;LCAT;CDH1;RLTPR;PLEKHG4;TANGO6	-0.31758	-2.47326	0.014367	0.274962
	-0.27086	-2.472	0.014416	0.275234
LRRC27;TTC40;KNDC1;TUBGCP2	-0.59241	-2.46982	0.014501	0.275807
FADS3;MS4A8;TMEM216;RAB3IL1;DAK;TMEM138	-0.36286	-2.47115	0.014449	0.275491
	-0.24017	-2.4717	0.014427	0.275322
	0.297083	2.468998	0.014533	0.276032
PLEKHA1;DMBT1;TACC2	-0.37572	-2.4741	0.014334	0.274843
CAV1	-0.31182	-2.47167	0.014429	0.275322
RAB10;EPT1;HADHB	-0.22497	-2.47444	0.014321	0.274749
	0.284133	2.470809	0.014462	0.275492
	0.229171	2.474658	0.014313	0.274714
	-0.15817	-2.46844	0.014555	0.276196
	-0.40998	-2.46177	0.014819	0.277482
	0.269821	2.474558	0.014317	0.274725
	0.289351	2.474585	0.014315	0.274719
	0.249853	2.473461	0.014359	0.274949
	-0.27015	-2.47493	0.014302	0.274598
SMG5	-0.22037	-2.4739	0.014342	0.274843
	-0.22367	-2.47386	0.014343	0.274843

ENSG00000264198;IKZF3;GSDMB	-0.27686	-2.47174	0.014426	0.275317
	0.219198	2.473103	0.014373	0.275005
	-0.18948	-2.47519	0.014292	0.274546
	-0.25833	-2.46942	0.014517	0.275902
	0.246472	2.471686	0.014428	0.275322
TMEM131;SEMA4C;ARID5A;ITPRIPL1;FAM178B;KANSL3;LINCO1125;CNNM4	0.154696	2.469444	0.014515	0.275902
	-0.23128	-2.46948	0.014514	0.275902
	-0.1772	-2.47214	0.01441	0.275211
	-0.37833	-2.47326	0.014367	0.274962
	-0.22553	-2.47158	0.014432	0.275362
ADAMTS9-AS2 WDR45B;TBCD;PYCR1	0.3228	2.472526	0.014395	0.275176
	-0.22723	-2.46709	0.014608	0.276329
	0.121756	2.469407	0.014517	0.275902
	0.271751	2.471137	0.014449	0.275491
	0.30462	2.467167	0.014605	0.276329
PPAP2C;MISP;ARID3A;FSTL3;SHC2;TCF3;GRIN3B;PALM;GPX4	-0.33621	-2.46983	0.0145	0.275807
	-0.37299	-2.47382	0.014345	0.274843
	-0.24297	-2.47311	0.014372	0.275005
	0.252458	2.469497	0.014513	0.275902
	0.329017	2.47323	0.014368	0.274962
TGFBRAP1;FHL2 KALRN;MUC13	-0.43528	-2.47141	0.014439	0.27543
	0.219984	2.468298	0.01456	0.276196
	0.204662	2.471818	0.014423	0.275296
CCR1	0.326077	2.472993	0.014377	0.275035
	-0.35268	-2.47095	0.014457	0.275492
ENSG00000235997;EHD3	0.337566	2.469792	0.014502	0.275807
	-0.3705	-2.47257	0.014394	0.275169
	0.107954	2.465365	0.014676	0.276643
RHPN1-AS1;ENSG00000254973;MAPK15;ZNF623;FAM83H-AS1;RHPN1	-0.2799	-2.47232	0.014403	0.275206
	-0.34205	-2.47104	0.014453	0.275491
	-0.18401	-2.47227	0.014405	0.275206
	0.230088	2.470816	0.014462	0.275492
	0.158238	2.472099	0.014412	0.275222
RBMS2	-0.26719	-2.46981	0.014501	0.275807
	-0.2298	-2.47375	0.014348	0.274843
	0.38037	2.469124	0.014528	0.276006
	-0.266	-2.47246	0.014398	0.275206
	0.188764	2.467554	0.01459	0.276227
	-0.27543	-2.46202	0.014809	0.27745
	0.283908	2.466588	0.014628	0.276349
	-0.24859	-2.47379	0.014346	0.274843
	-0.32038	-2.47056	0.014472	0.275589
	-0.20275	-2.47061	0.01447	0.275589

SEC14L3;DUSP18	-0.2624	-2.47018	0.014487	0.275693
COPG1;ATP2C1	0.229249	2.472677	0.014389	0.275127
	0.263588	2.473312	0.014365	0.274962
SYNRG;CCL5	-0.39672	-2.46982	0.014501	0.275807
LETM1	0.21339	2.472935	0.014379	0.275044
	0.293936	2.47257	0.014394	0.275169
	-0.19985	-2.4727	0.014389	0.275127
	0.173716	2.470837	0.014461	0.275492
	-0.37906	-2.47416	0.014332	0.274843
	-0.40753	-2.47416	0.014332	0.274843
	0.252445	2.47084	0.014461	0.275492
	-0.34178	-2.47131	0.014443	0.27549
KIAA1841;BCL11A	-0.30335	-2.46451	0.01471	0.276748
	0.286174	2.469367	0.014518	0.275912
	0.188427	2.468811	0.01454	0.276071
DOC2B	0.27421	2.471943	0.014418	0.275252
COL5A1;OLFM1;LINC00094;C9orf116;SARDH;PPP1R26-AS1;PPP1R26	0.422353	2.473396	0.014362	0.274962
	0.317256	2.471919	0.014419	0.275257
PSMD5-AS1;PSMD5	-0.7057	-2.47323	0.014368	0.274962
	0.235853	2.470699	0.014466	0.275549
	-0.23409	-2.46744	0.014594	0.276259
	-0.20965	-2.46897	0.014534	0.276035
	-0.20622	-2.46548	0.014671	0.276629
	-0.17085	-2.46787	0.014577	0.276196
	-0.29134	-2.47327	0.014366	0.274962
PABPC4	-0.21507	-2.46512	0.014686	0.276643
	-0.44182	-2.47041	0.014478	0.275669
	-0.22004	-2.4711	0.014451	0.275491
ARHGAP28	-0.26852	-2.47032	0.014481	0.275682
SPEG;WNT6;STK16;INHA;DES	-0.34353	-2.47115	0.014449	0.275491
IFFO2	0.321957	2.47285	0.014383	0.275058
RLTPR;RANBP10	-0.21763	-2.47215	0.01441	0.275211
KCTD11;ELP5;CLDN7;ACAP1;MPDU1	-0.26617	-2.47389	0.014342	0.274843
ZHX2;FER1L6;TBC1D31;FAM83A;FBXO32;TRMT12	-0.42086	-2.46708	0.014608	0.276329
	-0.20124	-2.47033	0.014481	0.275682
	-0.18788	-2.47161	0.014431	0.275355
	0.196223	2.470421	0.014477	0.275669
	-0.33487	-2.46712	0.014607	0.276329
	0.283349	2.472164	0.014409	0.275211
SNX29	-0.29781	-2.46783	0.014579	0.276214
	0.242287	2.472763	0.014386	0.275098
	0.255529	2.470067	0.014491	0.27575
	0.235869	2.471034	0.014453	0.275491
	-0.20022	-2.46832	0.01456	0.276196
	-0.23467	-2.47058	0.014471	0.275589
	-0.25752	-2.47117	0.014448	0.275491

ENSG00000254423	-0.18705	-2.46552	0.01467	0.276629
CHMP5;ANXA2P2;DNAJA1	0.230851	2.463555	0.014748	0.277011
	-0.15138	-2.46593	0.014654	0.276516
	0.247937	2.470169	0.014487	0.275693
	-0.15053	-2.46793	0.014575	0.276196
SDK2	0.210197	2.46871	0.014544	0.276109
	-0.25332	-2.47061	0.01447	0.275589
	-0.1468	-2.46721	0.014603	0.276329
	0.246691	2.468293	0.014561	0.276196
RPS3AP25	-0.32819	-2.46884	0.014539	0.276063
	0.213191	2.46974	0.014504	0.275817
	-0.15808	-2.4677	0.014584	0.276214
	-0.16854	-2.47156	0.014433	0.275362
RBMS2;PTGES3;MMP19;SMARCC2;GDF11;ERBB3;ITGA7	-0.33524	-2.46671	0.014623	0.276349
EIF2AK1;FOXK1;CYTH3	-0.38311	-2.46803	0.014571	0.276196
	-0.24234	-2.4702	0.014486	0.275693
SLC35A3	-0.25935	-2.46863	0.014547	0.276147
	-0.30187	-2.46979	0.014502	0.275807
SH3TC1	-0.22633	-2.46559	0.014667	0.276629
	0.251479	2.465349	0.014677	0.276643
CDH5;RLTPR;FAM65A;CMTM4;CES4A;ZDHHC1;SLC12A4;TSNAX				
IP1;GFOD2;ENKD1;RANBP10;TPPP3;CMTM3;ATP6V0D1	-0.33212	-2.46724	0.014602	0.276329
	0.331886	2.470569	0.014472	0.275589
NOTCH4	-0.31723	-2.47079	0.014463	0.275492
CCDC40	-0.29239	-2.46645	0.014633	0.276364
USP43;WDR16	0.258202	2.468191	0.014565	0.276196
	0.149156	2.471965	0.014417	0.275248
	0.273445	2.467308	0.014599	0.276319
	0.322973	2.460502	0.014869	0.277605
	-0.32459	-2.47018	0.014487	0.275693
	0.335638	2.468262	0.014562	0.276196
	0.210436	2.470876	0.014459	0.275492
	-0.25573	-2.469	0.014533	0.276032
SLC37A1;ENSG00000235772	-0.35069	-2.47016	0.014488	0.275693
ENSG00000273203;CECR7	0.473964	2.467556	0.01459	0.276227
ADAM19;ITK;ENSG00000253519	0.397974	2.471774	0.014425	0.275316
	-0.29141	-2.47105	0.014453	0.275491
ENTPD1;ENTPD1-AS1;TCTN3;ENSG00000234026;BLNK	-0.31777	-2.4679	0.014576	0.276196
TSPAN4;IFITM2	-0.32259	-2.4703	0.014482	0.275687
ENSG00000237356	-0.31587	-2.47023	0.014485	0.275693
	0.327938	2.468872	0.014538	0.276057
	0.185858	2.470372	0.014479	0.275682
	-0.24242	-2.46746	0.014593	0.276259
	-0.28264	-2.4665	0.014631	0.276364
PRR26	0.191625	2.46767	0.014585	0.276214
	0.173567	2.466586	0.014628	0.276349

	-0.25888	-2.46765	0.014586	0.276214
ENSG00000225746;MEG8;MEG3;ENSG00000232018;DEGS2	0.290292	2.464389	0.014714	0.276748
	0.254004	2.469833	0.0145	0.275807
ENSG00000272106	-0.26695	-2.47002	0.014493	0.275769
	-0.18334	-2.4686	0.014548	0.27615
	0.262267	2.470884	0.014459	0.275492
MEGF6	0.228962	2.469456	0.014515	0.275902
	0.302613	2.469446	0.014515	0.275902
PKNOX2;ROBO4;ESAM;SPA17;VSIG2;ROBO3;FEZ1;TMEM218;SIAE;ENSG00000250073	0.357307	2.469922	0.014497	0.275807
	0.318708	2.466684	0.014624	0.276349
	0.266505	2.466304	0.014639	0.276407
SPIRE2	-0.95103	-2.47122	0.014446	0.275491
	0.303436	2.469144	0.014527	0.276006
	0.157763	2.467548	0.01459	0.276227
TSPAN18;ALX4;HSD17B12	-0.42476	-2.46915	0.014527	0.276006
	0.292147	2.470217	0.014485	0.275693
	-0.49656	-2.46709	0.014608	0.276329
LPCAT1	0.219346	2.466252	0.014641	0.276421
	-0.34917	-2.46926	0.014523	0.275969
	0.239074	2.469841	0.0145	0.275807
FBXO30	0.267189	2.465754	0.01466	0.27656
SCARB1;TMED2;NCOR2	0.280064	2.47023	0.014485	0.275693
	-0.42221	-2.46792	0.014575	0.276196
RHBDF2;SMIM5;UNC13D;ST6GALNAC2;PRPSAP1	0.228094	2.466855	0.014617	0.276345
	0.286145	2.466805	0.014619	0.276345
ENSG00000264198;IKZF3;ERBB2;PLXDC1	-0.33698	-2.47034	0.01448	0.275682
	0.272656	2.468008	0.014572	0.276196
LCK;SDC3;COL16A1;DCDC2B;MTMR9LP;LAPTM5	-0.26266	-2.46715	0.014605	0.276329
	-0.37353	-2.47201	0.014415	0.275234
	0.261183	2.468885	0.014537	0.276057
	-0.4788	-2.46921	0.014524	0.27599
	0.275529	2.463829	0.014737	0.276921
MEOX1;GJC1;GPATCH8;TMEM106A;EFTUD2;HIGD1B;NBR1;TMEM101;ENSG00000267505	-0.2815	-2.46756	0.014589	0.276227
	0.542036	2.466835	0.014618	0.276345
GTPBP4;PRR26	0.196375	2.469399	0.014517	0.275902
	-0.13728	-2.46779	0.01458	0.276214
SNORD3B-1	0.12471	2.467969	0.014573	0.276196
	-0.13828	-2.46658	0.014628	0.276349
MAP7	0.263656	2.46703	0.01461	0.276343
	0.297529	2.468532	0.014551	0.27618
ERLIN1;CHUK;BLOC1S2;MGEA5;SEC31B;KCNIP2;MRPL43;SCD	0.179736	2.46818	0.014565	0.276196
	0.321989	2.468494	0.014553	0.276196
FADS2;RAB3IL1;LRRN4CL;FADS3;HRASLS2;MYRF	-0.37873	-2.46896	0.014535	0.276035



	0.172414	2.464754	0.0147	0.276748
B3GNT3	0.227356	2.467878	0.014577	0.276196
TBC1D2B	-0.17892	-2.46385	0.014736	0.276917
	-0.25378	-2.46761	0.014587	0.276227
	0.235951	2.468076	0.014569	0.276196
CLIP1;VPS37B;RSRC2;ENSG00000256304	-0.2753	-2.46693	0.014614	0.276345
	-0.48336	-2.4691	0.014529	0.276006
	-0.25484	-2.46911	0.014528	0.276006
CTSW;BATF2;NRXN2;SLC25A45	-0.36013	-2.46963	0.014508	0.275876
ENSG00000225140	0.268241	2.466136	0.014645	0.276459
ATF7IP2;ZC3H7A;SOCS1;SNX29	-0.38495	-2.46121	0.014841	0.277502
	0.141547	2.465245	0.014681	0.276643
	0.351889	2.470892	0.014459	0.275492
SIPA1;CD248;CST6;EFEMP2;CTSF;SLC25A45;CCDC87;RBM14;CC				
S;TM7SF2;MAP3K11;LTBP3;SPTBN2;NAALADL1;CTSW;RNASEH2				
C;EHBP1L1	-0.38146	-2.46982	0.014501	0.275807
	-0.19074	-2.46863	0.014548	0.276147
	0.221187	2.468862	0.014538	0.276057
	-0.39975	-2.46639	0.014635	0.276364
	-0.27294	-2.46608	0.014648	0.276467
	0.118697	2.467966	0.014573	0.276196
	0.247355	2.466036	0.014649	0.276474
TRIP13	0.266235	2.468224	0.014563	0.276196
	-0.20482	-2.46469	0.014703	0.276748
	0.300596	2.46804	0.01457	0.276196
MAP3K5	0.306815	2.465893	0.014655	0.276529
	0.314252	2.468994	0.014533	0.276032
ASF1B	0.194796	2.466797	0.014619	0.276345
PTRF;AOC3;RAMP2;MPP2;CNTNAP1;VAT1;MEOX1;RUNDC1;TU				
BG2;STAT5B;PLEKHH3;RAMP2-AS1	0.208069	2.466306	0.014639	0.276407
HTRA3;AFAP1;ACOX3;CCDC96;ABLM2	0.238325	2.465803	0.014659	0.276548
	0.207601	2.468545	0.014551	0.27618
	0.318257	2.46787	0.014577	0.276196
IL1RN;TMEM87B;MERTK;CKAP2L;SLC20A1;PSD4	-0.39417	-2.46791	0.014576	0.276196
	-0.20493	-2.46813	0.014567	0.276196
	0.196185	2.466999	0.014611	0.276345
	0.560062	2.469729	0.014504	0.275817
PARVG;NUP50;ENSG00000226328	0.330669	2.466839	0.014618	0.276345
	0.2371	2.468139	0.014567	0.276196
	0.228715	2.465162	0.014684	0.276643
	0.234265	2.468147	0.014566	0.276196
	0.333997	2.466649	0.014625	0.276349
WDR86-AS1;NOS3;ATG9B;WDR86;LINC01003	-0.31869	-2.46847	0.014553	0.276196
	0.222815	2.466777	0.01462	0.276348
	0.255362	2.468404	0.014556	0.276196
	0.228199	2.465872	0.014656	0.276533
	0.220296	2.467322	0.014599	0.276319

PDCD6;NKD2 CLDN10	0.261643	2.46472	0.014701	0.276748
	0.281966	2.465843	0.014657	0.276542
	0.322288	2.464634	0.014705	0.276748
	-0.23863	-2.46518	0.014683	0.276643
	-0.33031	-2.46246	0.014791	0.277319
FGD3;SUSD3;OGN;ECM2 LRRC4;IMPDH1;HILPDA PPP1R16A	0.287374	2.467169	0.014605	0.276329
	-0.27425	-2.46804	0.01457	0.276196
	-0.36737	-2.4609	0.014853	0.277523
	0.176723	2.464417	0.014713	0.276748
	0.276286	2.466408	0.014635	0.276364
HCP5;GPSM3;HLA-DRA;LTB;LST1;AIF1;HLA-B;HLA-DRB1	-0.18749	-2.46954	0.014512	0.275902
	0.339433	2.466005	0.014651	0.276483
	0.276085	2.467737	0.014582	0.276214
	-0.41739	-2.4672	0.014604	0.276329
	0.276615	2.467253	0.014601	0.276329
PDCD6;MRPL36;NKD2;SDHA;NDUFS6;TRIP13 ZNF773;ZNF134	-0.31249	-2.46642	0.014634	0.276364
	-0.5164	-2.46456	0.014708	0.276748
	0.314897	2.464399	0.014714	0.276748
	0.267256	2.466033	0.014649	0.276474
	0.313714	2.469017	0.014532	0.276032
	0.363657	2.464326	0.014717	0.27677
	0.453777	2.468	0.014572	0.276196
	0.219324	2.467974	0.014573	0.276196
	0.202665	2.464745	0.0147	0.276748
	-0.58736	-2.46689	0.014616	0.276345
	-0.31508	-2.46548	0.014671	0.276629
	-0.62791	-2.46459	0.014707	0.276748
	-0.2778	-2.46519	0.014683	0.276643
	-0.34169	-2.46794	0.014575	0.276196
	-0.35262	-2.46553	0.014669	0.276629
CAMTA1;SLC45A1;PER3 SPRY4;FGF1	-0.22502	-2.4677	0.014584	0.276214
	-0.24989	-2.46478	0.014699	0.276748
CERCAM;DNM1;COQ4;WDR34;ODF2;LCN2;SPTAN1;PKN3	0.179957	2.468131	0.014567	0.276196
	-0.18643	-2.46551	0.01467	0.276629
	0.281187	2.464846	0.014696	0.276748
	-0.21092	-2.46414	0.014724	0.276818
	0.111435	2.466909	0.014615	0.276345
	0.228022	2.46715	0.014605	0.276329
	0.212289	2.468222	0.014563	0.276196
TTLL1;MCAT;EFCAB6 EBF2	0.284579	2.466455	0.014633	0.276364
	0.270653	2.463217	0.014761	0.277118
	-0.20975	-2.46544	0.014673	0.27664
DIP2C	-0.30122	-2.46569	0.014663	0.276594
	0.269559	2.467372	0.014597	0.276296
	0.196798	2.463895	0.014734	0.276899
	0.273882	2.466587	0.014628	0.276349

	0.188088	2.467693	0.014584	0.276214
	-0.34963	-2.46608	0.014648	0.276467
	-0.28735	-2.46535	0.014676	0.276643
	-0.29058	-2.46832	0.014559	0.276196
	0.370888	2.466253	0.014641	0.276421
SLC6A9;CCDC24;PTPRF;TCTEX1D4	-0.33672	-2.46713	0.014606	0.276329
ENSG00000261654;CSF1;KCNA3;KCNA2;PIFO	0.282939	2.466833	0.014618	0.276345
	0.336688	2.465768	0.01466	0.27656
	-0.15925	-2.46771	0.014584	0.276214
	0.326159	2.466506	0.014631	0.276364
DFFB;MEGF6	0.270876	2.467438	0.014594	0.276259
	0.168764	2.465113	0.014686	0.276643
	0.248521	2.460304	0.014877	0.277644
TIAF1	-0.35948	-2.46745	0.014594	0.276259
	0.337599	2.464034	0.014729	0.276842
	-0.27009	-2.46697	0.014613	0.276345
	-0.2055	-2.46774	0.014582	0.276214
LHFP	0.332481	2.4669	0.014615	0.276345
	-0.25383	-2.46243	0.014792	0.277319
	0.306031	2.465197	0.014683	0.276643
	-0.24889	-2.46038	0.014874	0.277637
S100P;ABLIM2	0.253297	2.462705	0.014781	0.277263
	0.40414	2.464621	0.014705	0.276748
	-0.29769	-2.46418	0.014723	0.276818
TDRD10;ARHGEF2;SHE	-0.31121	-2.46831	0.01456	0.276196
	0.238719	2.46664	0.014626	0.276349
TSPAN18	-0.26733	-2.46807	0.014569	0.276196
	0.360671	2.462409	0.014793	0.277323
	-0.49104	-2.46565	0.014665	0.276602
UQCC2;PFDN6;HLA-DMA;DAXX	-0.31944	-2.46153	0.014828	0.277482
	0.138729	2.460459	0.014871	0.277625
	0.168158	2.459839	0.014896	0.277761
GNG7	-0.37948	-2.46449	0.014711	0.276748
TMEM59;PODN	-0.34092	-2.46556	0.014668	0.276629
GRASP;SLC11A2;ACVRL1;METTL7A;ACVR1B	0.242113	2.465215	0.014682	0.276643
INPP5K;TLCD2	-0.19169	-2.4645	0.01471	0.276748
SUPT7L;FAM179A;ENSG00000229951	-0.48894	-2.46346	0.014751	0.277047
MACROD2	-0.33607	-2.46373	0.014741	0.276947
RER1;SKI;SSU72;NADK;PEX10;LINC00982;MEGF6	0.221911	2.465498	0.014671	0.276629
ABI3BP;FILIP1L;NXPE3;NIT2;CEP97	-0.38242	-2.46609	0.014647	0.276467
AGAP2	0.314992	2.467057	0.014609	0.276335
	-0.28985	-2.46769	0.014584	0.276214
	-0.22129	-2.4645	0.01471	0.276748
STAB1	0.220139	2.466951	0.014613	0.276345
SRSF9	0.30941	2.462801	0.014778	0.277238
PDLIM1;ENTPD1;ENTPD1-AS1;SORBS1	-0.27931	-2.46528	0.014679	0.276643
	-0.29016	-2.46617	0.014644	0.276448

	0.199549	2.464405	0.014714	0.276748
	-0.18234	-2.46542	0.014674	0.27664
	-0.20873	-2.46335	0.014756	0.277069
	0.335148	2.463951	0.014732	0.276879
SLCO5A1	0.219486	2.461783	0.014818	0.277482
	0.298039	2.464344	0.014716	0.276769
KIAA0556;XPO6	-0.23684	-2.46509	0.014687	0.276643
	0.287142	2.465264	0.01468	0.276643
	0.312999	2.465093	0.014687	0.276643
	0.304987	2.462902	0.014774	0.277238
	-0.4319	-2.46598	0.014652	0.276493
	0.167302	2.46661	0.014627	0.276349
CTSF;ALDH3B2;CDK2AP2;UNC93B1	-0.23998	-2.46667	0.014624	0.276349
DMRTA2;TTC39A	0.407995	2.466825	0.014618	0.276345
	0.311342	2.464715	0.014702	0.276748
SLC7A5	-0.17281	-2.46528	0.014679	0.276643
	0.288532	2.461411	0.014833	0.277482
	0.412076	2.466511	0.014631	0.276364
HIP1	0.233172	2.462065	0.014807	0.27745
	0.31491	2.464728	0.014701	0.276748
	0.338811	2.46618	0.014644	0.276448
RAB3IL1;VPS37C	-0.36371	-2.45992	0.014892	0.277721
	0.244586	2.462715	0.014781	0.277263
	0.278032	2.463207	0.014761	0.277118
	0.190495	2.46543	0.014673	0.27664
SND1	-0.17083	-2.46034	0.014876	0.277637
	0.309538	2.463774	0.014739	0.276947
PWWP2B	-0.41306	-2.46368	0.014743	0.276971
	-0.20521	-2.45904	0.014928	0.27804
	0.241068	2.466475	0.014632	0.276364
	0.181748	2.464505	0.01471	0.276748
	0.151387	2.46144	0.014832	0.277482
NIT2	-0.29311	-2.46312	0.014765	0.277163
	0.254199	2.466189	0.014643	0.276448
	-0.2377	-2.46286	0.014775	0.277238
	-0.26275	-2.45994	0.014892	0.277721
	0.206017	2.459845	0.014895	0.277761
	-0.23212	-2.46285	0.014776	0.277238
	0.152343	2.463354	0.014756	0.277069
	0.141254	2.464976	0.014691	0.2767
	-0.12482	-2.4616	0.014825	0.277482
	0.165107	2.462879	0.014774	0.277238
	0.114674	2.46245	0.014791	0.277319
COL8A2;AGO3;KIAA0319L;PSMB2;C1orf216	0.170647	2.463449	0.014752	0.277047
	-0.30208	-2.46165	0.014823	0.277482
	-0.14827	-2.46328	0.014759	0.277088
	-0.2946	-2.45925	0.014919	0.278008

ADAMTS1;ADAMTS5	-0.2996	-2.4615	0.014829	0.277482
	0.172136	2.462598	0.014786	0.277316
	0.210242	2.464098	0.014726	0.276818
39508	-0.33118	-2.4627	0.014781	0.277263
	0.237826	2.464133	0.014725	0.276818
ATPIF1;CD164L2;ENSG00000270605;NUDC;TRNAU1AP;WDTC1 ;FCN3;ENSG00000237429;PIGV;RPS6KA1;THEMIS2 HMHA1;ARID3A;GNG7;GPX4;MISP WBSCR22;ELN;ABHD11	-0.30213	-2.46511	0.014686	0.276643
	0.306748	2.465203	0.014682	0.276643
	-0.23155	-2.46035	0.014875	0.277637
	0.371513	2.465007	0.01469	0.276689
	-0.21261	-2.46666	0.014625	0.276349
	0.27711	2.463112	0.014765	0.277163
	0.292606	2.46091	0.014853	0.277523
LYST	-0.29464	-2.46257	0.014787	0.277319
	0.130693	2.46472	0.014701	0.276748
	0.285101	2.46519	0.014683	0.276643
	-0.14509	-2.46284	0.014776	0.277238
CDK11B	-0.31281	-2.46374	0.01474	0.276947
THUMPD3;CIDECP;OGG1	0.30928	2.462432	0.014792	0.277319
	0.223389	2.464124	0.014725	0.276818
PDCD6;NKD2	0.231418	2.457557	0.014987	0.278368
	0.255824	2.461543	0.014828	0.277482
	-0.30253	-2.46166	0.014823	0.277482
	0.208	2.463297	0.014758	0.277087
	-0.17011	-2.4613	0.014837	0.277502
COA6;LINC01132	-0.3968	-2.46037	0.014875	0.277637
ABRACL	0.295731	2.46224	0.0148	0.277401
	0.210917	2.459989	0.01489	0.277721
	0.266629	2.464538	0.014709	0.276748
CUZD1	0.442688	2.462181	0.014802	0.277418
	-0.23569	-2.4636	0.014746	0.276998
	-0.15021	-2.46059	0.014866	0.277605
NLRC5;GPR114;GNAO1;CETP;ENSG00000261270	0.272038	2.464481	0.014711	0.276748
HHIPL1;MEG3	-0.26155	-2.45979	0.014898	0.277783
	-0.21759	-2.46363	0.014745	0.276985
AFTPH;PELI1;ENSG00000233694;ENSG00000172974	0.278232	2.465243	0.014681	0.276643
	0.147844	2.462925	0.014773	0.277238
	0.198915	2.463542	0.014748	0.277011
NOP56	0.278119	2.463732	0.014741	0.276947
	-0.17197	-2.46018	0.014882	0.277686
	0.308214	2.463892	0.014734	0.276899
LIFR	0.393447	2.459995	0.014889	0.277721
	0.270636	2.463098	0.014766	0.277163
	0.29725	2.459221	0.01492	0.278016
	0.126117	2.462001	0.014809	0.27745
	-0.35307	-2.46292	0.014773	0.277238

RNF141;EIF4G2	0.432155	2.466411	0.014635	0.276364
	0.379976	2.463664	0.014743	0.276972
	-0.36919	-2.46126	0.014839	0.277502
	0.272396	2.457413	0.014993	0.278388
RALGPS2;SOAT1	0.244395	2.464106	0.014726	0.276818
	0.326806	2.461489	0.01483	0.277482
	-0.25632	-2.46565	0.014665	0.276602
	0.291315	2.464103	0.014726	0.276818
SOBP;PDSS2	0.187218	2.462616	0.014785	0.277315
	-0.37583	-2.45926	0.014919	0.278008
	-0.24681	-2.46146	0.014831	0.277482
	-0.51214	-2.46119	0.014842	0.277502
EIF4G1;ABCF3;PSMD2	0.214903	2.461471	0.01483	0.277482
	0.269272	2.464158	0.014724	0.276818
	-0.22379	-2.46153	0.014828	0.277482
	-0.25784	-2.46114	0.014844	0.277502
CIRBP;ENSG00000267530	0.248422	2.461462	0.014831	0.277482
	0.292088	2.464076	0.014727	0.276822
	0.776887	2.46673	0.014622	0.276349
	-0.22337	-2.4613	0.014837	0.277502
SHH	0.261527	2.46054	0.014868	0.277605
	0.247083	2.460949	0.014851	0.277523
	0.306478	2.459962	0.014891	0.277721
	0.338511	2.462338	0.014796	0.277352
ADSS;ZBTB18;C1orf101	0.208397	2.461013	0.014849	0.277511
	-0.35206	-2.46275	0.014779	0.277262
	-0.22854	-2.46442	0.014713	0.276748
	-0.26812	-2.46179	0.014818	0.277482
GULOP	0.343528	2.462079	0.014806	0.27745
	-0.38648	-2.46448	0.014711	0.276748
	-0.75569	-2.45128	0.015242	0.279511
	0.233743	2.456965	0.015011	0.278481
CDC42BPG;ESRRA;NAALADL1;CAPN1;OTUB1;GPR137;MARK2	0.287615	2.463356	0.014755	0.277069
	-0.4103	-2.46471	0.014702	0.276748
	0.348919	2.462372	0.014795	0.277339
	0.208701	2.462516	0.014789	0.277319
	0.289136	2.461251	0.014839	0.277502
	-0.21482	-2.46246	0.014791	0.277319
	-0.25604	-2.46287	0.014775	0.277238
	-0.26567	-2.46026	0.014879	0.277663
	-0.17808	-2.46452	0.014709	0.276748
	0.218506	2.46353	0.014749	0.277011
	0.134704	2.460046	0.014887	0.277721
	-0.31058	-2.46185	0.014815	0.277482
	-0.47815	-2.46179	0.014818	0.277482
	0.284026	2.462808	0.014777	0.277238

HEATR2;PDGFA;FAM20C;SUN1;PSMG3- AS1;MAD1L1;ENSG00000249852	-0.2844	-2.45909	0.014926	0.27803
	-0.21461	-2.46036	0.014875	0.277637
	-0.34433	-2.45765	0.014984	0.278368
	-0.31824	-2.45832	0.014957	0.278257
	0.2513	2.464139	0.014724	0.276818
	0.374763	2.462552	0.014787	0.277319
PFKFB2;FAIM3	-0.25674	-2.46441	0.014714	0.276748
	-0.32085	-2.46173	0.01482	0.277482
	-0.25313	-2.46452	0.014709	0.276748
ENSG00000260966;YAP1	0.241163	2.461473	0.01483	0.277482
	-0.15834	-2.45726	0.014999	0.278425
VCL;CAMK2G;SYNPO2L;PPP3CB	-0.33011	-2.46334	0.014756	0.27707
	0.2975	2.462824	0.014777	0.277238
RHOJ;AKAP5;PPP1R36	-0.3448	-2.46281	0.014777	0.277238
	0.256911	2.462168	0.014803	0.277418
	0.204784	2.463422	0.014753	0.277055
LIMS2;MYO7B;ENSG00000236682;GPR17;ERCC3;SAP130;ENSG 00000272667	-0.41451	-2.45807	0.014967	0.278292
MCCC2	0.345846	2.460545	0.014867	0.277605
ADAMTSL2;GBGT1;SARDH;SLC2A6;MED22;SURF6;ABO	-0.45047	-2.46484	0.014697	0.276748
AMOTL1;LINC01171	-0.24924	-2.45745	0.014992	0.278388
	-0.26737	-2.46105	0.014847	0.277509
	0.180532	2.462023	0.014808	0.27745
	0.29393	2.461116	0.014845	0.277509
	-0.23453	-2.46153	0.014828	0.277482
	0.25346	2.464405	0.014714	0.276748
	0.398827	2.458996	0.01493	0.278051
HLA-DRA	0.177994	2.462532	0.014788	0.277319
	-0.30616	-2.46036	0.014875	0.277637
	-0.23388	-2.46204	0.014808	0.27745
USP48	-0.41023	-2.46415	0.014724	0.276818
	0.297705	2.461995	0.01481	0.27745
	-0.14287	-2.46086	0.014855	0.277535
C11orf48	0.297019	2.460579	0.014866	0.277605
	-0.21426	-2.45817	0.014963	0.278292
	-0.3995	-2.46183	0.014816	0.277482
CD276	-0.22225	-2.4574	0.014994	0.278388
	0.22346	2.457048	0.015008	0.278467
FES	-0.23166	-2.4614	0.014833	0.277482
	-0.19319	-2.46061	0.014865	0.277605
	0.384644	2.463955	0.014732	0.276879
	-0.32289	-2.45845	0.014951	0.278216
	-0.17744	-2.46098	0.01485	0.277519
	-0.13947	-2.45999	0.01489	0.277721
	0.31345	2.46064	0.014864	0.277605
AKT3;ZBTB18;C1orf101	-0.34689	-2.46022	0.01488	0.277668

FAM149A	0.203405	2.461162	0.014843	0.277502
	0.419128	2.461234	0.01484	0.277502
	0.328853	2.461147	0.014843	0.277502
	0.18179	2.460872	0.014854	0.277535
	0.298317	2.460242	0.01488	0.277666
	-0.32079	-2.4625	0.014789	0.277319
	0.341463	2.455404	0.015074	0.278895
	0.282989	2.461189	0.014842	0.277502
	0.209051	2.458865	0.014935	0.278095
	-0.24976	-2.46228	0.014798	0.277386
DNAH10;CCDC92 ZCCHC24;ZMIZ1;PPIF;TMEM254	-0.25891	-2.45729	0.014998	0.278425
	0.200345	2.460329	0.014876	0.277637
	0.244581	2.456603	0.015026	0.278606
ENSG00000224992 RAMP1;TRAF3IP1;LINC01107	-0.32586	-2.46124	0.01484	0.277502
	0.310629	2.460146	0.014883	0.277689
	-0.28848	-2.45646	0.015032	0.278606
ENSG00000263235	0.272519	2.461907	0.014813	0.277482
	-0.23171	-2.45849	0.01495	0.278197
	0.248544	2.462222	0.014801	0.277402
ITGB2	-0.39923	-2.45727	0.014999	0.278425
	-0.27103	-2.46208	0.014806	0.27745
	-0.21348	-2.45968	0.014902	0.277811
CARS;MRPL23;TSSC2	0.294589	2.461904	0.014813	0.277482
	-0.26529	-2.45961	0.014905	0.277821
	-0.47094	-2.46106	0.014847	0.277509
CNOT10;CCR4;DYNC1LI1	0.310369	2.46128	0.014838	0.277502
	-0.3093	-2.45667	0.015023	0.278605
	0.350966	2.461865	0.014815	0.277482
MRPL27	-0.13949	-2.45973	0.0149	0.277811
	0.254541	2.460772	0.014858	0.277586
	0.438017	2.459195	0.014922	0.278024
ENSG00000224272;KIF1A	-0.24283	-2.45806	0.014967	0.278292
	0.272007	2.456983	0.01501	0.278481
	0.188851	2.461088	0.014846	0.277509
GTSE1;LINC00899;FBLN1;ENSG00000273145;ENSG00000238120;TBC1D22A	0.341654	2.461775	0.014818	0.277482
	-0.44015	-2.45821	0.014961	0.278292
	0.260747	2.45867	0.014943	0.278126
KIF26A;C14orf2;AMN	-0.29087	-2.46137	0.014835	0.277492
	0.192003	2.45329	0.01516	0.279182
	-0.15551	-2.45971	0.014901	0.277811
GPSM1;EGFL7;LCNL1;UAP1L1;PTGDS	0.200021	2.45879	0.014938	0.278101
	0.159828	2.45689	0.015014	0.2785
	-0.30909	-2.45331	0.015159	0.279181
ZNF423;NKD1;ENSG00000260029;ENSG00000205414	-0.26302	-2.46156	0.014827	0.277482
	0.279486	2.46061	0.014865	0.277605
	-0.29946	-2.45755	0.014987	0.278368



	0.306539	2.460511	0.014869	0.277605
	0.154809	2.458149	0.014964	0.278292
MFNG;CSF2RB;IL2RB;RAC2;LGALS2;CYTH4;NCF4	0.308816	2.459152	0.014923	0.27803
	0.186454	2.461609	0.014825	0.277482
UHRF1	-0.23619	-2.46064	0.014864	0.277605
	0.200777	2.459675	0.014902	0.277811
	0.265825	2.450526	0.015273	0.279813
	0.13516	2.461399	0.014833	0.277482
NOL3	0.420622	2.460077	0.014886	0.277716
ARID3A;MOB3A;HMHA1;GPX4;ZNF57;REEP6	-0.29107	-2.46165	0.014823	0.277482
	0.198592	2.460529	0.014868	0.277605
	0.245291	2.457817	0.014977	0.278302
	0.295866	2.461002	0.014849	0.277511
	0.21612	2.45861	0.014945	0.278152
	0.228603	2.45725	0.015	0.278425
	0.198098	2.45804	0.014968	0.278292
HP1BP3;CAMK2N1;UBXN10	-0.28603	-2.46193	0.014812	0.277482
	-0.20383	-2.46055	0.014867	0.277605
	-0.418	-2.46144	0.014832	0.277482
	0.362062	2.45935	0.014915	0.277956
SDC3;COL16A1;TINAGL1;FABP3	0.31754	2.459027	0.014928	0.27804
	0.188766	2.455116	0.015086	0.278928
	-0.3824	-2.46017	0.014883	0.277686
SKI	0.308954	2.456432	0.015033	0.278606
	-0.22008	-2.45716	0.015003	0.278447
	0.221697	2.455236	0.015081	0.278897
	-0.1638	-2.45747	0.014991	0.278388
ITPR3;SYNGAP1;B3GALT4;RPL32P1;C6orf10;RGL2	-0.21768	-2.45762	0.014985	0.278368
	0.313295	2.455162	0.015084	0.278924
	-0.41869	-2.45938	0.014914	0.277943
	0.239	2.457993	0.01497	0.278292
	0.153297	2.454754	0.015101	0.278977
FBXW10;LRRC48;MIEF2;PLD6;MPRIIP;NT5M;ALKBH5;ENSG00000232344;TVP23B	-0.30686	-2.4587	0.014941	0.278126
	0.187068	2.460118	0.014885	0.277698
FSTL3	-0.18872	-2.45895	0.014931	0.278076
UAP1L1;PTGDS;CAMSAP1;EGFL7;LCNL1	-0.18167	-2.46051	0.014869	0.277605
STRBP;ARPC5L;DENND1A;RABEPK	-0.29948	-2.4578	0.014977	0.278302
	0.282405	2.454444	0.015113	0.279049
	0.199773	2.458856	0.014935	0.278095
PTPRN2	0.256619	2.45966	0.014903	0.277811
	0.281935	2.456978	0.015011	0.278481
PTPRN2;DNAJB6	-0.31965	-2.45623	0.015041	0.278695
	0.374858	2.458695	0.014942	0.278126
	0.145092	2.458018	0.014969	0.278292
RHPN1-AS1;BAI1;TOP1MT;RHPN1;EEF1D;PYCRL;LY6H;ZNF623	-0.32352	-2.45421	0.015123	0.279085

CD163L1;CD27;CLSTN3;C1RL-AS1;IFFO1;RBP5	0.220245	2.455084	0.015087	0.278928
	0.178795	2.458316	0.014957	0.278257
	0.234028	2.457062	0.015007	0.278467
	-0.38877	-2.45708	0.015007	0.278466
	-0.38782	-2.46147	0.014831	0.277482
	0.178157	2.460019	0.014889	0.277721
	-0.21777	-2.45759	0.014986	0.278368
	-0.18606	-2.4571	0.015006	0.278466
	0.233762	2.460916	0.014853	0.277523
	0.320899	2.459136	0.014924	0.27803
	-0.19498	-2.45582	0.015057	0.278723
	-0.26171	-2.45917	0.014922	0.278028
	0.254322	2.460583	0.014866	0.277605
	ENSG00000226891;DNAJC6;ENSG00000224570;ENSG00000223949;AK4			
	-0.36055	-2.45502	0.01509	0.278928
TPPP;NKD2 ITGA1;FST;ENSG00000247796;ARL15	-0.26337	-2.46104	0.014848	0.277509
	-0.22926	-2.45871	0.014941	0.278126
	-0.29533	-2.45818	0.014962	0.278292
AGTRAP	-0.2911	-2.45508	0.015088	0.278928
	0.219847	2.456481	0.015031	0.278606
	-0.18012	-2.45949	0.01491	0.277875
	-0.2286	-2.45949	0.01491	0.277875
	-0.20033	-2.45492	0.015094	0.278941
CD8B;ATOH8 LOH12CR1;LRP6;YBX3;STYK1	0.251142	2.461055	0.014847	0.277509
	0.443516	2.458134	0.014964	0.278292
	-0.43543	-2.45784	0.014976	0.278302
	0.230473	2.457614	0.014985	0.278368
	-0.23536	-2.45414	0.015125	0.279094
UGDH C1orf194;CLCC1;GSTM3;CSF1;WDR47;SYPL2;GSTM4;GPSM2;FAM102B;GSTM5;PSRC1	0.333126	2.460594	0.014866	0.277605
	-0.441	-2.45717	0.015003	0.278447
	0.284721	2.458162	0.014963	0.278292
	0.236894	2.456786	0.015018	0.278554
	0.248047	2.457396	0.014994	0.278388
TMF1	0.27296	2.455773	0.015059	0.278745
	0.296585	2.455946	0.015052	0.278723
	-0.38396	-2.45394	0.015134	0.27912
	0.346702	2.456426	0.015033	0.278606
	0.317805	2.459122	0.014924	0.27803
ENSG00000250280;MSRB3 LINC00205	-0.30862	-2.45966	0.014903	0.277811
	-0.21081	-2.45807	0.014967	0.278292
	0.278826	2.458672	0.014943	0.278126
	-0.39191	-2.45993	0.014892	0.277721
	0.248877	2.455945	0.015052	0.278723
RHOH	-0.24941	-2.45698	0.015011	0.278481
	0.37505	2.457841	0.014976	0.278302
	-0.2593	-2.45751	0.014989	0.278386

	0.1432	2.454323	0.015118	0.279049
	0.145438	2.45837	0.014955	0.278251
	0.306079	2.458802	0.014937	0.278101
	-0.28838	-2.45668	0.015023	0.278605
SPATS2;ENSG00000257243;KCNH3;PRPH;ENSG00000258334;CERS5	-0.3076	-2.4574	0.014994	0.278388
	-0.29895	-2.45537	0.015076	0.278896
FARS2;ENSG00000233068	0.312749	2.451475	0.015234	0.279447
NOTCH4;CLIC1;LSM2;PSMB8;PBX2;FKBPL;C6orf25	-0.25684	-2.4588	0.014938	0.278101
	0.132793	2.453708	0.015143	0.279181
	-0.24669	-2.45692	0.015013	0.278487
	-0.29576	-2.45433	0.015118	0.279049
	0.375905	2.458357	0.014955	0.278251
	-0.20638	-2.45216	0.015206	0.279349
	0.175546	2.455603	0.015066	0.278812
	-0.29011	-2.45271	0.015184	0.279231
	-0.15469	-2.45265	0.015186	0.279231
	0.369674	2.458602	0.014945	0.278152
	0.173947	2.45801	0.014969	0.278292
ABI3;SKAP1;HOXB4;NPEPPS;SP6;NXPH3;MIR10A;HOXB6	0.235663	2.459098	0.014925	0.27803
	0.23182	2.459622	0.014904	0.277821
	0.309719	2.4551	0.015087	0.278928
PPP2R2B;DPYSL3	0.290403	2.457156	0.015004	0.278447
CCRL2	0.265502	2.458399	0.014954	0.278243
PLCG1;PTPRT	0.271654	2.458783	0.014938	0.278101
	-0.23271	-2.45851	0.014949	0.278197
	0.184071	2.452815	0.015179	0.279231
DCLK2	0.254426	2.45805	0.014968	0.278292
	-0.26908	-2.45656	0.015027	0.278606
	-0.27813	-2.45736	0.014995	0.27839
	0.133045	2.453777	0.01514	0.279181
	-0.33003	-2.45955	0.014907	0.277857
	-0.1572	-2.45433	0.015118	0.279049
	0.204399	2.456822	0.015017	0.278539
	0.388595	2.45276	0.015182	0.279231
	0.184916	2.455329	0.015077	0.278897
SEPHS2;PPP4C;MVP;CD2BP2	-0.2662	-2.45814	0.014964	0.278292
	0.202169	2.455547	0.015068	0.278833
CASP7;TRUB1;AFAP1L2;DCLRE1A	-0.28728	-2.4562	0.015042	0.278701
RAPGEF4;ENSG00000091436;CHN1;WIPF1	0.273173	2.454097	0.015127	0.279094
MYO7B;BIN1;LIMS2;GPR17;GYPC	-0.34177	-2.45218	0.015205	0.279349
	0.245354	2.456008	0.01505	0.278723
CPNE5	-0.1722	-2.45791	0.014973	0.278299
GPBP1	-0.33415	-2.45886	0.014935	0.278095
	-0.15584	-2.45587	0.015055	0.278723
	-0.20351	-2.45596	0.015052	0.278723
PRKD3	-0.27179	-2.45634	0.015036	0.278638

	0.252965	2.454066	0.015129	0.279094
	0.208271	2.456158	0.015044	0.278701
	0.224316	2.459051	0.014927	0.27804
	-0.18639	-2.45426	0.015121	0.279064
	0.200293	2.452767	0.015181	0.279231
RCAN2;ANKRD66;ENSG00000236164;GPR111;ENSG00000226594;GPR116	-0.26813	-2.44705	0.015416	0.28064
PIK3R1	-0.33135	-2.45345	0.015154	0.279181
ERO1L;TMX1	-0.29577	-2.45755	0.014988	0.278368
SYK	-0.23001	-2.45415	0.015125	0.279094
	-0.17658	-2.45487	0.015096	0.278942
TTC22;TCEANC2;ENSG00000197015;BSND;HSPB11;TMEM59	-0.24916	-2.4559	0.015054	0.278723
	0.25808	2.457932	0.014972	0.278299
	-0.22302	-2.45363	0.015146	0.279181
	-0.25958	-2.45541	0.015074	0.278895
TUBG2;FKBP10;CNTNAP1;KRT23;PTRF;NT5C3B	-0.31027	-2.45693	0.015012	0.278487
ZC2HC1C	0.310098	2.457653	0.014983	0.278368
	0.183348	2.457805	0.014977	0.278302
	-0.15879	-2.45606	0.015048	0.278721
	0.328497	2.457718	0.014981	0.278353
PLAGL1	-0.46332	-2.45425	0.015121	0.279064
	-0.41095	-2.45521	0.015082	0.278904
	0.241073	2.454915	0.015094	0.278941
ENSG00000239521	0.13892	2.452961	0.015173	0.2792
	-0.23195	-2.45582	0.015058	0.278723
	-0.35678	-2.45793	0.014972	0.278299
	-0.17796	-2.45397	0.015133	0.27912
PPM1H;USP15	0.299107	2.456426	0.015033	0.278606
	0.215783	2.455669	0.015064	0.278798
	-0.25292	-2.45453	0.01511	0.279026
ENSG00000254973;FAM83H-AS1;BOP1	0.284167	2.455104	0.015086	0.278928
	0.193561	2.455307	0.015078	0.278897
SKI	0.283164	2.452672	0.015185	0.279231
	0.200688	2.45464	0.015105	0.278984
	0.288903	2.45188	0.015217	0.27938
FSTL3	0.239001	2.455896	0.015054	0.278723
TMEM132C	0.310132	2.45596	0.015052	0.278723
	0.304618	2.458577	0.014946	0.278158
	0.290529	2.456734	0.015021	0.278581
	-0.19132	-2.45359	0.015148	0.279181
	0.128128	2.455394	0.015075	0.278895
FGFR3;RNF212	0.313951	2.453574	0.015149	0.279181
	-0.39408	-2.45887	0.014934	0.278095
	0.2445	2.458185	0.014962	0.278292
SECTM1	0.286267	2.456154	0.015044	0.278701
CBL;KMT2A	-0.41627	-2.4579	0.014973	0.278299

PIEZO1;ENSG00000259881;ENSG00000261226;CBFA2T3 IDH1	0.270924	2.455015	0.01509	0.278928
	-0.26463	-2.45653	0.015029	0.278606
	-0.30519	-2.45582	0.015057	0.278723
GSPT1	-0.35213	-2.4565	0.01503	0.278606
ANKRD65;ENSG00000272106;SKI;VWA1;FAM213B	-0.23214	-2.45167	0.015226	0.279431
YIF1A;DPP3	-0.2472	-2.45791	0.014973	0.278299
LOXL1	-0.29178	-2.45737	0.014995	0.27839
ENSG00000247679	-0.25915	-2.45462	0.015106	0.278984
	0.261871	2.456045	0.015048	0.278722
	-0.22113	-2.45307	0.015169	0.2792
RNU1-1;RNU1-4;RNU1-2	-0.18557	-2.45188	0.015218	0.27938
CSNK1A1;ENSG00000230551;MYOZ3;CSF1R;PDE6A;SYNPO;PP ARGC1B;CD74	-0.35631	-2.45536	0.015076	0.278896
ZW10	-0.3796	-2.45654	0.015028	0.278606
CIAO1;ENSG00000272913	-0.34519	-2.4526	0.015188	0.279231
ENSG00000260425;LMF1	-0.17961	-2.4537	0.015143	0.279181
	-0.28211	-2.45657	0.015027	0.278606
GPATCH2L;MLH3;LTBP2;TGFB3	-0.23533	-2.45634	0.015036	0.278638
MEOX1;COASY;CNTNAP1;BECN1;AOC3;FKBP10;COA3;ATP6V0A 1;VPS25;TUBG2;ACLY;RAMP2;RUNDC1;PTRF	-0.31359	-2.45344	0.015154	0.279181
	0.1802	2.45524	0.015081	0.278897
	0.25742	2.454098	0.015127	0.279094
	0.19596	2.455526	0.015069	0.278833
LINC00963;ABL1;EXOSC2;C9orf106;SH3GLB2;ENSG000002243 07	0.460219	2.448951	0.015337	0.28007
	-0.30518	-2.45629	0.015038	0.278659
KIAA0754	-0.22931	-2.4531	0.015168	0.2792
	0.220695	2.454852	0.015097	0.278942
ADAMTS2	-0.2711	-2.45744	0.014992	0.278388
CRY2;TSPAN18;MAPK8IP1	-0.21824	-2.45305	0.01517	0.2792
	0.168606	2.453944	0.015133	0.27912
	-0.27007	-2.45655	0.015028	0.278606
	-0.37366	-2.45246	0.015194	0.279285
	-0.21067	-2.44995	0.015296	0.279906
	-0.25954	-2.45426	0.01512	0.279064
C6orf132;MED20;TRERF1	0.328544	2.45783	0.014976	0.278302
	0.184533	2.454963	0.015092	0.278928
SH2D2A;GPATCH4	-0.22365	-2.45355	0.01515	0.279181
	-0.26347	-2.45649	0.015031	0.278606
	0.259504	2.453789	0.01514	0.279181
CAMTA1;CHD5;GPR153;KCNA2B2;NOL9	0.320935	2.455279	0.015079	0.278897
	-0.29171	-2.45766	0.014983	0.278368
	0.211146	2.455927	0.015053	0.278723
	0.271104	2.452995	0.015172	0.2792
	0.276325	2.454848	0.015097	0.278942
	-0.16134	-2.45609	0.015047	0.278718
	0.232906	2.453166	0.015165	0.2792

	0.182789	2.455846	0.015056	0.278723
	-0.25299	-2.45562	0.015066	0.278812
	0.154047	2.452684	0.015185	0.279231
	-0.16725	-2.45657	0.015027	0.278606
	0.265242	2.452614	0.015188	0.279231
MAGI1	0.363509	2.456335	0.015037	0.278638
	0.199022	2.453355	0.015157	0.279181
HCP5	-0.36251	-2.45599	0.015051	0.278723
	0.190006	2.453053	0.01517	0.2792
	0.182725	2.447775	0.015386	0.280429
	0.218955	2.454967	0.015092	0.278928
	0.171741	2.45033	0.015281	0.279825
	0.279768	2.453745	0.015142	0.279181
	-0.28218	-2.45432	0.015118	0.279049
KLHL29;ENSG00000224361;ENSG00000115128	-0.3441	-2.4522	0.015204	0.279349
	-0.23498	-2.44898	0.015336	0.28007
	0.265922	2.452985	0.015172	0.2792
	0.248383	2.452365	0.015198	0.279328
	-0.13786	-2.45104	0.015252	0.279641
	0.201304	2.455277	0.015079	0.278897
	0.164961	2.449579	0.015312	0.28005
	0.312076	2.454677	0.015104	0.278984
ADCY10P1	0.324318	2.458062	0.014967	0.278292
ENSG00000273247	-0.20361	-2.45308	0.015169	0.2792
ZSWIM5	0.19855	2.45054	0.015272	0.279813
	-0.31974	-2.45481	0.015098	0.27896
	0.736689	2.452093	0.015209	0.279349
	0.367312	2.453577	0.015148	0.279181
	0.258287	2.454431	0.015114	0.279049
SEMA6A	-0.30297	-2.45336	0.015157	0.279181
ACO2;MKL1;ENSG00000232564;ADSL	0.18762	2.450317	0.015281	0.279825
	0.222614	2.45609	0.015047	0.278718
	0.180308	2.454697	0.015103	0.278984
	-0.21172	-2.44927	0.015324	0.28007
	-0.30296	-2.45523	0.015081	0.278897
LIMS2;MYO7B;GPR17;BIN1;GYPC;ENSG00000236682;ENSG0000235128	-0.30631	-2.45068	0.015266	0.279754
	-0.29154	-2.45261	0.015188	0.279231
	-0.33984	-2.45294	0.015174	0.279207
	0.447222	2.454871	0.015096	0.278942
	0.214715	2.453328	0.015158	0.279181
	-0.34933	-2.4532	0.015164	0.2792
	-0.28518	-2.45348	0.015152	0.279181
	-0.21088	-2.45716	0.015003	0.278447
	0.214287	2.452089	0.015209	0.279349
	0.191332	2.452544	0.01519	0.279256
	0.107474	2.454785	0.015099	0.278965

ENTPD1;PLCE1;PDLIM1;CYP2C18;SORBS1;ENTPD1-AS1;ENSG00000269948	-0.33031	-2.44716	0.015411	0.280618
	0.220846	2.447218	0.015409	0.280608
HLA-DMB;HLA-DMA;HLA-DOA;HLA-DPA1;HLA-DPB1	-0.2453	-2.45462	0.015106	0.278984
	0.246844	2.455024	0.01509	0.278928
	0.225819	2.452219	0.015204	0.279349
SKI;MEGF6;CEP104;TP73-AS1;DFFB	0.271034	2.452533	0.015191	0.279256
ENSG00000269621	0.212951	2.452252	0.015202	0.279349
	-0.35399	-2.45564	0.015065	0.278807
	0.309517	2.456486	0.015031	0.278606
	-0.25235	-2.45336	0.015157	0.279181
FNDC3B;TMEM212;PLD1;CLDN11	-0.44246	-2.45617	0.015043	0.278701
	0.219316	2.4541	0.015127	0.279094
	0.190771	2.457116	0.015005	0.278464
	-0.24027	-2.45097	0.015255	0.279673
	-0.16917	-2.45346	0.015153	0.279181
UBE2C	0.451541	2.456083	0.015047	0.278718
	0.181173	2.451379	0.015238	0.279461
	0.542315	2.455692	0.015063	0.278793
MYO7A	-0.40743	-2.45224	0.015203	0.279349
ANAPC7;PPTC7	-0.52354	-2.45194	0.015215	0.27938
	0.176033	2.451226	0.015244	0.27954
	0.322874	2.450004	0.015294	0.279906
	0.233218	2.453865	0.015137	0.279161
	0.258315	2.452151	0.015206	0.279349
	0.194856	2.454035	0.01513	0.279094
EVI2B;EVI2A;ADAP2	-0.305	-2.455	0.015091	0.278928
	0.134154	2.451757	0.015223	0.279431
LINC00578	-0.32345	-2.45069	0.015266	0.279754
	-0.38821	-2.45342	0.015155	0.279181
	0.272277	2.454363	0.015116	0.279049
DNALI1;CSF3R;MEAF6;RSPO1	-0.38344	-2.45464	0.015105	0.278984
ITGA10;PIAS3	0.229598	2.451754	0.015223	0.279431
CD200;SLC35A5	0.335689	2.453435	0.015154	0.279181
	0.194763	2.451609	0.015229	0.279431
FAM3D;ACOX2;FAM107A;PXX	-0.26757	-2.4546	0.015107	0.278984
FCHSD2	-0.41691	-2.45313	0.015167	0.2792
RPL3P2	0.217561	2.452025	0.015212	0.279349
	-0.19908	-2.45266	0.015186	0.279231
RDH5	0.420975	2.452798	0.01518	0.279231
	-0.18692	-2.45192	0.015216	0.27938
	-0.22115	-2.45297	0.015173	0.2792
	-0.26599	-2.45213	0.015207	0.279349
C17orf97;FAM101B;DOC2B	-0.27004	-2.44658	0.015435	0.280717
	0.268657	2.45446	0.015113	0.279049
	0.180237	2.446978	0.015419	0.280669
CD8A;CD8B;LINC00152	0.29054	2.455263	0.01508	0.278897

	0.177109	2.449439	0.015317	0.28007
	0.275124	2.452244	0.015203	0.279349
ETV6;HEBP1;BCL2L14	0.3094	2.451305	0.015241	0.279504
TNRC6B	0.234828	2.454327	0.015118	0.279049
ENSG00000254561	-0.28007	-2.45432	0.015118	0.279049
PPP1R18;GABBR1;DHX16;DDR1	0.425828	2.451801	0.015221	0.27942
GLTSCR1L;SLC29A1;POLR1C;TMEM63B	-0.2101	-2.4546	0.015107	0.278984
	-0.52148	-2.45376	0.015141	0.279181
	0.221554	2.454973	0.015092	0.278928
	0.270368	2.455529	0.015069	0.278833
	-0.39416	-2.45165	0.015227	0.279431
	0.221076	2.450189	0.015287	0.279876
	-0.2066	-2.45419	0.015123	0.279085
	0.265615	2.451889	0.015217	0.27938
ENSG00000261690;MVP;TMEM219;SEZ6L2	0.247494	2.453323	0.015159	0.279181
YY1AP1	-0.25412	-2.4517	0.015225	0.279431
TMC8;ST6GALNAC2;TMC6	-0.27378	-2.45302	0.015171	0.2792
	-0.13723	-2.45463	0.015105	0.278984
	-0.18936	-2.4534	0.015156	0.279181
	0.312124	2.451436	0.015236	0.279447
BUD31;LMTK2;RPS3AP26;BAIAP2L1;SMURF1;ARPC1A	-0.28417	-2.4497	0.015307	0.280018
	0.320756	2.451715	0.015224	0.279431
	0.331798	2.452752	0.015182	0.279231
	0.538312	2.452368	0.015198	0.279328
NADK;FAM41C	0.197663	2.451176	0.015246	0.279565
ENSG00000260219;ZNF629	-0.2325	-2.45406	0.015129	0.279094
KLHDC7A;NBL1	-0.26293	-2.44873	0.015347	0.280115
FNBP1;PPAPDC3;AIF1L;ABL1;FAM78A;LAMC3;ASS1	-0.32742	-2.45373	0.015142	0.279181
AGAP2	0.283186	2.453033	0.015171	0.2792
SEPT4;ENSG00000261040;GDPD1;PPM1E;TRIM37	-0.34133	-2.44987	0.0153	0.279935
	0.167157	2.448999	0.015335	0.28007
	0.26641	2.453595	0.015148	0.279181
	0.261856	2.450439	0.015276	0.279825
KBTBD12	-0.33443	-2.4489	0.015339	0.28007
TRPM2;ITGB2;ICOSLG;COL18A1;POFUT2	0.436048	2.451511	0.015233	0.279447
	0.145672	2.451459	0.015235	0.279447
CMTR2;ST3GAL2;NFAT5	-0.2945	-2.44909	0.015332	0.28007
	-0.20898	-2.44678	0.015427	0.280683
	-0.20323	-2.45322	0.015163	0.2792
MCAM;HMBS;OAF;TRAPPC4;HYOU1;C2CD2L	-0.32591	-2.44957	0.015312	0.28005
	0.34241	2.453153	0.015166	0.2792
	0.205009	2.450018	0.015294	0.279906
	0.281457	2.453098	0.015168	0.2792
	0.200246	2.454507	0.015111	0.279029
	0.311331	2.449999	0.015294	0.279906
	-0.28371	-2.4492	0.015327	0.28007
TRIM2	-0.5028	-2.45404	0.015129	0.279094



SEC13	-0.21411	-2.45141	0.015237	0.279447
	-0.29978	-2.45327	0.015161	0.279186
VWF;IFFO1;C1R;ANO2;CD27;C1S;NTF3;LRRC23;TAPBPL	0.37075	2.450704	0.015266	0.279754
	0.212022	2.446673	0.015431	0.280683
	-0.22787	-2.45204	0.015211	0.279349
	-0.15335	-2.44312	0.015579	0.281564
	-0.33546	-2.45142	0.015236	0.279447
C7orf50	-0.33379	-2.4528	0.01518	0.279231
	-0.27343	-2.44775	0.015387	0.280433
FGFBP2	-0.35087	-2.45265	0.015186	0.279231
ROR2	-0.26991	-2.44747	0.015398	0.280563
	0.269461	2.450726	0.015265	0.279754
	0.21034	2.453404	0.015155	0.279181
PPAP2C;FSTL3;ARID3A;SHC2;MISP;HMHA1;GPX4	-0.34113	-2.4457	0.015472	0.280838
	-0.38181	-2.45399	0.015132	0.279115
	-0.37401	-2.45342	0.015155	0.279181
IRX2	0.292611	2.450898	0.015258	0.279703
	0.231151	2.448349	0.015362	0.280273
	-0.31104	-2.45344	0.015154	0.279181
	-0.32568	-2.45033	0.015281	0.279825
	0.62328	2.453342	0.015158	0.279181
INF2;PACS2;JAG2	-0.24457	-2.44894	0.015338	0.28007
	0.231633	2.4484	0.01536	0.280258
	-0.18228	-2.45004	0.015293	0.279906
KAZN	0.227395	2.452067	0.01521	0.279349
	-0.18297	-2.44957	0.015312	0.28005
TRERF1;C6orf132;MED20;ENSG00000261068;RPL7L1	-0.2737	-2.44639	0.015443	0.280775
	0.210492	2.45161	0.015229	0.279431
	0.255779	2.450125	0.015289	0.279876
	0.209376	2.450042	0.015293	0.279906
	-0.28333	-2.45236	0.015198	0.279328
	-0.27514	-2.4508	0.015262	0.279738
	0.227699	2.450327	0.015281	0.279825
	-0.13103	-2.44524	0.015491	0.281024
ZCCHC24	0.239122	2.448538	0.015354	0.280208
	-0.25942	-2.44994	0.015297	0.279908
	0.243933	2.451661	0.015226	0.279431
	0.43885	2.452995	0.015172	0.2792
	-0.36972	-2.45262	0.015187	0.279231
RADIL	-0.27142	-2.45019	0.015286	0.279876
	0.381602	2.45113	0.015248	0.279588
GLYATL2	-0.36469	-2.44938	0.01532	0.28007
	0.19924	2.449919	0.015298	0.279909
	0.168991	2.451423	0.015236	0.279447
	0.331244	2.452029	0.015211	0.279349
	0.131492	2.44622	0.01545	0.280817
	-0.21931	-2.44997	0.015296	0.279906

ZNF57;S1PR4;MATK;GNG7	0.204387	2.447598	0.015393	0.28049
	0.308684	2.452821	0.015179	0.279231
	-0.31595	-2.45158	0.01523	0.279431
	-0.29512	-2.45346	0.015153	0.279181
	-0.31506	-2.45222	0.015204	0.279349
LRRC45 C1R;CLSTN3;C15;SLC2A3;IFFO1;ENSG00000257084;PTMS;SCN N1A;VWF	0.30838	2.451557	0.015231	0.279435
	-0.31097	-2.44788	0.015382	0.280411
	-0.25015	-2.4489	0.01534	0.28007
	0.245494	2.448929	0.015338	0.28007
	-0.23724	-2.4495	0.015315	0.280066
RPL26;ALOX12	-0.39206	-2.45019	0.015286	0.279876
	-0.20177	-2.45158	0.01523	0.279431
	-0.41238	-2.45079	0.015262	0.279738
	0.306652	2.450173	0.015287	0.279876
	-0.28049	-2.45346	0.015153	0.279181
ROBO3;ROBO4;ENSG00000250073;ESAM;VSIG2	0.246849	2.448719	0.015347	0.280115
	-0.15952	-2.44889	0.01534	0.28007
	-0.26424	-2.44688	0.015423	0.280683
	-0.26449	-2.44596	0.015461	0.280836
	0.311645	2.449775	0.015304	0.279981
FARP2;ANKMY1;PPP1R7;PASK	-0.42953	-2.45056	0.015271	0.279811
	0.460882	2.452785	0.015181	0.279231
	0.22983	2.447257	0.015407	0.280608
	-0.28559	-2.45211	0.015208	0.279349
	0.331215	2.448854	0.015341	0.280085
SOD3;SLC34A2;CCDC149;PI4K2B;SEL1L3;ANAPC4 SOX10;IL2RB;CDC42EP1	-0.40128	-2.45362	0.015147	0.279181
	-0.32694	-2.45037	0.015279	0.279825
	0.317013	2.449058	0.015333	0.28007
	-0.29864	-2.44735	0.015404	0.280607
	0.14999	2.448818	0.015343	0.2801
BAIAP2;PCYT2;NOTUM;CCDC40 PIP;ENSG00000257743;KEL;EPHB6;EPHA1- AS1;ENSG00000253882	-0.2628	-2.44876	0.015345	0.280115
	-0.33555	-2.44475	0.015511	0.281072
	-0.15831	-2.44852	0.015355	0.280208
	-0.36916	-2.44766	0.015391	0.280457
	0.220344	2.449555	0.015313	0.28005
PML;PPCDC	0.247151	2.450151	0.015288	0.279876
	0.189197	2.449485	0.015316	0.280066
	-0.28534	-2.45087	0.015259	0.279712
	0.285938	2.450614	0.015269	0.279795
	-0.13468	-2.44808	0.015373	0.280343
ACBD3;SRP9	0.300833	2.449333	0.015322	0.28007
	-0.20376	-2.45039	0.015279	0.279825
	0.222372	2.446699	0.01543	0.280683
	0.123529	2.444016	0.015542	0.281278
	0.192836	2.44719	0.01541	0.280613

CFL2	0.265061	2.448514	0.015355	0.280208
CD93	0.442244	2.450368	0.015279	0.279825
	0.250622	2.448151	0.01537	0.280341
PCDH12;SPRY4	-0.28361	-2.44802	0.015376	0.280377
NR2F6;USHBP1;PLVAP;JAK3;OCEL1	-0.32483	-2.45057	0.015271	0.279811
	-0.41028	-2.44463	0.015516	0.281089
	-0.14827	-2.4421	0.015621	0.281756
	-0.29826	-2.45187	0.015218	0.27938
ANKLE2	-0.39448	-2.45076	0.015263	0.279746
	-0.39304	-2.44148	0.015647	0.281927
	0.186931	2.449971	0.015296	0.279906
	-0.29095	-2.45162	0.015228	0.279431
	-0.27374	-2.44924	0.015326	0.28007
	0.170075	2.44959	0.015311	0.28005
MRGPRF;UNC93B1;ALDH3B1;TPCN2;ENSG00000256508;ENSG00000255306	-0.30838	-2.45194	0.015215	0.27938
	0.243222	2.449145	0.015329	0.28007
	-0.40855	-2.44942	0.015318	0.28007
FLT1;POMP	0.233318	2.445007	0.0155	0.281063
FLNB	-0.31476	-2.44867	0.015349	0.280142
	0.230856	2.448121	0.015372	0.280343
ARL3;SH3PXD2A;KCNIP2	-0.29714	-2.44789	0.015381	0.280411
WFS1;TBC1D14	-0.20383	-2.44597	0.01546	0.280836
NXPH3;ABI3;COL1A1;PHOSPHO1;PPP1R9B;EPN3;ENSG00000248954;SUMO2P17;MYCBPAP;CALCOCO2	-0.25223	-2.44984	0.015301	0.27994
	-0.3309	-2.44862	0.015351	0.280168
	0.244179	2.452482	0.015193	0.279282
	0.305192	2.452628	0.015187	0.279231
HNRNPf;CXCL12	0.31485	2.447879	0.015382	0.280411
	0.284842	2.44125	0.015657	0.281927
	-0.26597	-2.44732	0.015405	0.280608
	-0.24316	-2.44908	0.015332	0.28007
	0.208304	2.449363	0.015321	0.28007
PISD	-0.24113	-2.44475	0.015511	0.281072
	-0.21794	-2.44673	0.015429	0.280683
RPL3P2	-0.45409	-2.45218	0.015205	0.279349
CASP3;CENPU;ENSG00000180712;RWDD4	-0.24473	-2.44573	0.01547	0.280838
PPP1R15A;MYH14;CPT1C;FUZ;NAPSB;ZNF473;MED25;PIH1D1;HRC	0.546755	2.452108	0.015208	0.279349
MYO3A;APBB1IP;ABI1	0.476714	2.450127	0.015289	0.279876
HCG4;RPL3P2	-0.30441	-2.44742	0.015401	0.280576
	0.271472	2.444665	0.015515	0.281072
	0.326854	2.450789	0.015262	0.279738
CD34;CD46;PIGR;RASSF5;PFKFB2;ENSG00000234219	-0.31524	-2.44723	0.015408	0.280608
	0.268164	2.449091	0.015332	0.28007
FHOD3	0.257984	2.447121	0.015413	0.280621
	0.281912	2.448459	0.015358	0.280226

ARHGEF10;MYOM2;ERICH1	-0.42934	-2.44798	0.015378	0.280398
GCLC;GSTA3;GSTA2;ENSG00000216775	-0.27704	-2.45098	0.015254	0.279673
GAS8;SPIRE2;SPATA33;GALNS;PIEZO1;CBFA2T3;ENSG00000261226;URAHF;ENSG00000260259;C16orf3;ENSG00000182376;RNF166	-0.37723	-2.44811	0.015372	0.280343
	-0.26232	-2.44737	0.015403	0.280602
	0.260461	2.451647	0.015227	0.279431
PTGDS	-0.24021	-2.44899	0.015336	0.28007
AHRR;TRIP13;ENSG00000248994;C5orf55;NKD2	-0.28243	-2.44676	0.015428	0.280683
DENND5B;BICD1	0.382561	2.450358	0.01528	0.279825
NME4;TMEM204;ENSG00000260807;SOX8	-0.21098	-2.44911	0.015331	0.28007
	0.194592	2.445914	0.015463	0.280836
	-0.33529	-2.44784	0.015383	0.280417
	-0.35424	-2.45037	0.015279	0.279825
DACT1;ARID4A;JKAMP	-0.43619	-2.44778	0.015386	0.280429
	0.314504	2.448146	0.015371	0.280341
	0.200335	2.450895	0.015258	0.279703
SSBP3;DHCR24	-0.26104	-2.45012	0.015289	0.279876
	-0.3611	-2.44872	0.015347	0.280115
KIF26A;C14orf2;IGHA2;INF2;C14orf79	-0.26	-2.44848	0.015357	0.280221
	0.233577	2.447728	0.015388	0.28044
	-0.23798	-2.44926	0.015325	0.28007
	-0.29516	-2.44788	0.015381	0.280411
TJP3	0.193636	2.446177	0.015452	0.280817
	-0.24094	-2.44897	0.015337	0.28007
	0.295973	2.434295	0.01595	0.283591
	-0.17054	-2.449	0.015336	0.28007
UBE2Q2P1	-0.28944	-2.44769	0.015389	0.280443
	0.531075	2.446867	0.015423	0.280683
P2RX4;P2RX7	0.419454	2.451459	0.015235	0.279447
	0.243596	2.448355	0.015362	0.280273
WBSCR22;CLIP2;ABHD11;CLDN4	-0.37868	-2.44594	0.015462	0.280836
MTOR;MFN2	0.272594	2.446612	0.015434	0.280705
NME4;ENSG00000260807;HN1L;SOX8;TMEM204;UNKL;TPSD1	-0.4152	-2.44823	0.015367	0.280318
	-0.17955	-2.44406	0.01554	0.281278
SUGCT;ENSG00000203446;INHBA	-0.27224	-2.44669	0.015431	0.280683
NGEF;INPP5D	0.283858	2.444449	0.015523	0.281151
	-0.19349	-2.44475	0.015511	0.281072
	0.177111	2.44509	0.015497	0.281026
LAMC1;LAMC2;SMG7;C1orf21;COLGALT2	0.312639	2.450475	0.015275	0.279825
	0.172002	2.445844	0.015466	0.280838
IL1R2;SLC9A4;CNOT11	-0.25818	-2.44579	0.015468	0.280838
	0.207028	2.445145	0.015495	0.281026
	0.272346	2.445097	0.015497	0.281026
	-0.16635	-2.4477	0.015389	0.280443
	0.241677	2.449166	0.015329	0.28007

CTXN1;CERS4	-0.30276	-2.44924	0.015326	0.28007
	0.312041	2.446845	0.015424	0.280683
	0.243949	2.44925	0.015325	0.28007
ENSG00000235505	-0.24717	-2.44905	0.015334	0.28007
IL10RA;CD3G;CBL;CD3E;AMICA1;CD3D	0.291743	2.448238	0.015367	0.280318
NXPH3;LRRC59;SGCA;COL1A1;FAM117A;SLC35B1;EPN3;MRPL2				
7;SAMD14;TMEM92	-0.2451	-2.4492	0.015327	0.28007
	-0.24237	-2.44878	0.015344	0.280115
DNAJC8	0.350576	2.444699	0.015513	0.281072
	-0.32065	-2.44953	0.015314	0.280057
	-0.24641	-2.44786	0.015382	0.280412
	0.150748	2.448205	0.015368	0.280321
	0.298038	2.445639	0.015474	0.28084
	-0.26436	-2.44789	0.015381	0.280411
	0.262636	2.449647	0.015309	0.28004
	0.149257	2.447302	0.015405	0.280608
	0.210673	2.446054	0.015457	0.280836
	0.210325	2.44619	0.015451	0.280817
SGIP1	-0.34393	-2.44707	0.015415	0.280635
	0.241664	2.444755	0.015511	0.281072
FAM115B	-0.24194	-2.44335	0.015569	0.281488
	0.212134	2.445929	0.015462	0.280836
TTC39A;NRD1	-0.3092	-2.45048	0.015275	0.279825
	-0.32194	-2.44936	0.015321	0.28007
	-0.26973	-2.4494	0.015319	0.28007
ATP8B2	-0.31008	-2.44487	0.015506	0.281072
ENSG00000267121	-0.31909	-2.44831	0.015364	0.280286
	-0.32259	-2.44202	0.015625	0.281756
PFN2;TM4SF18;ENSG00000198843;SERP1;ENSG00000224831;				
TSC22D2;CP	-0.36876	-2.44683	0.015425	0.280683
MYO9A;BBS4	-0.34863	-2.44492	0.015504	0.281072
	-0.36348	-2.4458	0.015468	0.280838
RAP1GAP;EIF4G3	0.208096	2.446537	0.015437	0.280719
ENSG00000238273	-0.26047	-2.44592	0.015463	0.280836
	-0.4166	-2.44215	0.015619	0.281756
TPP2;TEX30	0.32257	2.446739	0.015429	0.280683
	0.30699	2.446879	0.015423	0.280683
MAFG-AS1;WDR45B;PCYT2;SECTM1;BAIAP2;C17orf62	-0.23939	-2.44663	0.015433	0.280704
	-0.23684	-2.44628	0.015448	0.2808
	-0.22532	-2.44969	0.015307	0.280018
	-0.35351	-2.44281	0.015592	0.281603
	0.133866	2.441762	0.015635	0.281806
RNU4-1;RPLP0	-0.19852	-2.44931	0.015323	0.28007
FXD3	0.129092	2.445426	0.015483	0.280952
	-0.26744	-2.44094	0.01567	0.282012
SLC16A11;ACAP1;CLEC10A	-0.31419	-2.44898	0.015336	0.28007
	-0.1904	-2.44229	0.015614	0.281756

FAM83H-AS1;EEF1D;FAM83H;ZNF34;GPT COPG1;GATA2;ENSG00000244300	-0.24637 0.211784 -0.37842 0.156209 0.388871	-2.44638 2.449047 -2.44513 2.445682 2.447136	0.015444 0.015334 0.015495 0.015472 0.015412	0.280775 0.280007 0.281026 0.280838 0.280621
VRK1;AK7;ENSG00000260806;GSKIP;ENSG00000258702;PAPO LA	-0.40417 0.148856 0.243922 0.236997 0.248343 0.330626 0.134906 -0.33062 -0.35158 -0.1752	-2.44116 2.446905 2.443661 2.444552 2.449092 2.442748 2.440443 -2.44234 -2.44614 -2.4471	0.015661 0.015422 0.015556 0.015519 0.015332 0.015594 0.015691 0.015611 0.015453 0.015414	0.281948 0.280683 0.281351 0.281092 0.280007 0.281603 0.282171 0.281748 0.280831 0.280624
SYNRG	0.30843	2.44421	0.015533	0.281271
CYCS	0.180779	2.446479	0.015439	0.280745
TBX2;TBX4;ENSG00000267280;METTL2A GJB4	0.272424 -0.30928 -0.14962	2.447233 -2.44608 -2.44212	0.015408 0.015456 0.015621	0.280608 0.280836 0.281756
PSMG3;CHST12 ZNF106;DLL4;TTBK2;STARD9 ABRACL;IFNGR1;HEBP2;TNFAIP3 RUNDC3B;TP53TG1	-0.49265 -0.35369 -0.36227 0.382207 0.172399 -0.31686 -0.22478 -0.32249	-2.44703 -2.44611 -2.44626 2.447422 2.442478 -2.44644 -2.44583 -2.44628	0.015416 0.015455 0.015449 0.0154 0.015606 0.015441 0.015466 0.015447	0.28064 0.280836 0.280804 0.280576 0.281715 0.280761 0.280838 0.2808
ERVW-1 TSPAN32;C11orf21	0.290855	2.443975	0.015543	0.281278
NUAK2;C1orf186;PIK3C2B FARP1	-0.26505 0.406108 0.153167 -0.23827	-2.44653 2.446376 2.440152 -2.44808	0.015437 0.015444 0.015703 0.015373	0.280719 0.280775 0.282204 0.280343
LAX1;PTPN7	0.205983 -0.13949	2.444068 -2.4429	0.015539 0.015588	0.281278 0.281603
PRRX2	-0.19052 0.134124 -0.20983 -0.20281 -0.27126 0.234267	-2.44519 2.436459 -2.44548 -2.44393 -2.44566 2.443454	0.015493 0.015859 0.015481 0.015545 0.015473 0.015565	0.281026 0.283126 0.280946 0.281278 0.280838 0.281447
SETP5;ENSG00000227512	0.211334 -0.24014	2.442207 -2.44598	0.015617 0.01546	0.281756 0.280836
IL12RB1;FCHO1;JAK3;BST2 ZFP2	-0.46195 -0.21559 -0.21527	-2.4483 -2.44362 -2.44633	0.015364 0.015558 0.015446	0.280286 0.281359 0.280787

ZCCHC24;TMEM254;ANXA11;ZMIZ1;PPIF	-0.46405	-2.44527	0.015489	0.281021
	0.293407	2.438797	0.01576	0.282615
	0.181607	2.445697	0.015472	0.280838
	0.473	2.442882	0.015589	0.281603
	0.212902	2.44748	0.015398	0.280563
CAPN2	-0.33706	-2.44503	0.015499	0.281061
	0.232762	2.443733	0.015553	0.281316
CALHM2;ARL3;C10orf32;WDR96;ENSG00000269609;USMG5;SFR1	-0.4002	-2.44474	0.015512	0.281072
	0.220393	2.439215	0.015742	0.282475
	0.267012	2.445657	0.015473	0.280838
	-0.19279	-2.44538	0.015485	0.280978
	0.125979	2.447788	0.015385	0.280429
	0.225683	2.447295	0.015406	0.280608
	0.230568	2.446689	0.015431	0.280683
DOCK2;LCP2	-0.33751	-2.44696	0.01542	0.280671
PDGFRL;PSD3;MICU3;ASAH1;NAT1	0.414752	2.444274	0.015531	0.281235
	0.285146	2.445345	0.015486	0.280988
	-0.23439	-2.4434	0.015567	0.281476
	0.316693	2.442519	0.015604	0.281699
	-0.38829	-2.4451	0.015496	0.281026
	0.264307	2.442969	0.015585	0.281603
	0.202781	2.444992	0.015501	0.281063
	-0.36858	-2.44496	0.015502	0.281063
ENSG00000253683	0.393985	2.44718	0.01541	0.280613
	0.333488	2.445673	0.015473	0.280838
	0.243752	2.446008	0.015459	0.280836
CEP104	-0.27601	-2.44437	0.015527	0.281199
TOMM22;ENSG00000232564	0.171035	2.446752	0.015428	0.280683
	0.295535	2.440839	0.015674	0.282026
	0.2075	2.443897	0.015546	0.28128
ELMOD2;RNF150;SCOC	-0.40417	-2.44525	0.01549	0.281023
	-0.3064	-2.44592	0.015462	0.280836
	0.264996	2.439632	0.015725	0.282367
	0.246929	2.446011	0.015459	0.280836
	0.23915	2.436187	0.01587	0.283145
	0.13407	2.443174	0.015577	0.281564
STYXL1;ENSG00000227038;HIP1;DTX2	-0.3216	-2.44137	0.015652	0.281927
PSME2	0.217419	2.445872	0.015464	0.280838
SDR16C5;TMEM68;SBF1P1	-0.29224	-2.43896	0.015753	0.282531
	0.271761	2.446185	0.015452	0.280817
SLFN12L;ENSG00000267554;ENSG00000255987;ENSG00000267074;CCL4;ENSG00000267046;CCL5	-0.35538	-2.44723	0.015408	0.280608
	0.134853	2.441254	0.015657	0.281927
FGD5;RFTN1;BTD;SH3BP5;GALNT15	-0.39421	-2.44239	0.015609	0.28174
	0.262055	2.443806	0.01555	0.281301
	0.316272	2.445689	0.015472	0.280838

LIFR;EGFLAM;DAB2	0.205333	2.445444	0.015482	0.280952
	0.275655	2.442702	0.015596	0.281603
	-0.37879	-2.44635	0.015445	0.280783
	0.28055	2.440588	0.015685	0.282144
FAM124A;RNASEH2B	-0.24068	-2.44467	0.015514	0.281072
	-0.1611	-2.44202	0.015625	0.281756
	0.345578	2.441926	0.015629	0.281756
	0.330129	2.443127	0.015579	0.281564
KBTBD11 RPS18	-0.19451	-2.44364	0.015557	0.281356
	-0.28708	-2.44686	0.015424	0.280683
	-0.1915	-2.4447	0.015513	0.281072
	0.369898	2.446772	0.015427	0.280683
MYB;SLC2A12	-0.17264	-2.44311	0.015579	0.281564
	-0.22261	-2.4458	0.015468	0.280838
	-0.21511	-2.44454	0.01552	0.281092
	-0.26505	-2.44656	0.015436	0.280719
EDF1	-0.29491	-2.44286	0.01559	0.281603
	-0.18076	-2.44372	0.015554	0.281316
	0.228873	2.445197	0.015492	0.281026
	-0.27257	-2.44079	0.015676	0.282052
LOH12CR1 CECR2 RAPGEF4;ENSG00000091436;SLC25A12	0.241402	2.441904	0.01563	0.281756
	0.264172	2.441409	0.01565	0.281927
	0.231508	2.440761	0.015677	0.282061
	-0.30709	-2.43866	0.015766	0.282658
NEBL	-0.24107	-2.44211	0.015621	0.281756
	-0.25185	-2.44208	0.015622	0.281756
	-0.36998	-2.44393	0.015545	0.281278
	-0.34528	-2.44168	0.015639	0.281846
KIAA0556;GTF3C1;IL21R;KDM8;NSMCE1 CACNA1A	0.3012	2.443837	0.015549	0.281298
	0.246823	2.44475	0.015511	0.281072
	-0.26826	-2.43826	0.015783	0.282658
	0.249363	2.442741	0.015595	0.281603
PLEKHJ1;DOT1L;ATP8B3;SBNO2	0.245578	2.443746	0.015553	0.281316
	0.358135	2.444342	0.015528	0.281207
	0.288226	2.444719	0.015512	0.281072
	-0.28311	-2.44066	0.015682	0.282102
TMEM17;MDH1	0.180022	2.43826	0.015783	0.282658
	-0.30829	-2.44431	0.015529	0.281217
	0.288856	2.440688	0.01568	0.282096
	0.216055	2.443917	0.015546	0.281278
ENSG00000226321;ENSG00000223991;SNED1;ANKMY1;PASK	0.222511	2.445726	0.015471	0.280838
	-0.26937	-2.44459	0.015518	0.28109
	0.346974	2.438279	0.015782	0.282658
	-0.33874	-2.44272	0.015596	0.281603
	0.317141	2.442176	0.015618	0.281756



PCDHGC3;SPRY4;PCDHGA2;PCDHGA5;PCDHB12;PCDHB7;PCDHB11;PCDHB10;PCDHGB2;PCDHGA3;PCDHB9;PCDHB16;PCDH12;PCDHB13;PCDHGA4;PCDHGB6;PCDHGA12;PCDHAC1	0.216412	2.442466	0.015606	0.281715
	0.227052	2.441544	0.015645	0.281911
	0.243897	2.443916	0.015546	0.281278
	0.150888	2.440312	0.015696	0.282186
	0.31939	2.444876	0.015506	0.281072
	0.216205	2.445096	0.015497	0.281026
	-0.39523	-2.44269	0.015597	0.281603
	-0.18858	-2.44353	0.015562	0.281416
	0.300011	2.440325	0.015696	0.282186
ATP6V0D1;SMPD3;SNTB2;FAM65A;TSNAXIP1;CDH1;TANGO6;G FOD2;SLC12A4;ENKD1;ZDHHC1;PSMB10;NIP7;LCAT;ENSG0000 0203401	0.19446	2.441786	0.015634	0.281799
	0.1568	2.439194	0.015743	0.282475
	-0.18887	-2.4372	0.015827	0.282913
	0.308209	2.442977	0.015585	0.281603
	0.124253	2.443469	0.015564	0.281447
	0.40908	2.442902	0.015588	0.281603
	0.143717	2.440874	0.015673	0.282023
PEAK1;ADAMTS7P3;TBC1D2B;TSPAN3 CASKIN2;ST6GALNAC1;PRPSAP1;SMIM5;SPHK1;MXRA7;UNC13 D;TRIM65;GALK1;ICT1;RNF157- AS1;SMIM6;ST6GALNAC2;SLC16A5;FDXR;CYGB;UBALD2;SLC9A 3R1	-0.23207	-2.44281	0.015592	0.281603
	-0.2444	-2.44579	0.015468	0.280838
	0.270018	2.44217	0.015618	0.281756
	-0.36675	-2.44602	0.015458	0.280836
	0.328468	2.445174	0.015493	0.281026
	-0.18564	-2.44484	0.015507	0.281072
	-0.18463	-2.44055	0.015686	0.282147
	-0.22518	-2.44195	0.015628	0.281756
	0.216472	2.444837	0.015507	0.281072
	0.358506	2.444037	0.015541	0.281278
ZNF831	0.321999	2.443944	0.015544	0.281278
	0.229591	2.444591	0.015518	0.28109
	0.384325	2.443827	0.015549	0.281298
	0.211071	2.438168	0.015786	0.282658
	-0.34548	-2.44311	0.015579	0.281564
	-0.4985	-2.44267	0.015598	0.281612
	-0.32215	-2.43592	0.015882	0.283152
	-0.22766	-2.43522	0.015911	0.283349
	0.225472	2.439917	0.015713	0.282284
	-0.15084	-2.44287	0.015589	0.281603
ASB5 SCN7A;GALNT3;TTC21B;ENSG00000235192;SCN9A PLEKHA7;OR7E14P;NUCB2	0.28277	2.440976	0.015668	0.282012
	0.424055	2.442865	0.015589	0.281603
	-0.27004	-2.44413	0.015537	0.281278
FAM76B				
TPPP;TRIP13;ZDHHC11;AHRR ZNF831				

	-0.23785	-2.44221	0.015617	0.281756
SMC1B	-0.2521	-2.44373	0.015553	0.281316
IQCE;TTYH3;GNA12	0.367806	2.443976	0.015543	0.281278
	-0.2055	-2.44237	0.01561	0.28174
STK10;BNIP1;RPL26L1;DUSP1	-0.27623	-2.43819	0.015785	0.282658
	0.254997	2.441927	0.015629	0.281756
	-0.3007	-2.44544	0.015482	0.280952
	0.298903	2.441284	0.015655	0.281927
DEF6	-0.32724	-2.44307	0.015581	0.281569
	-0.21004	-2.44478	0.01551	0.281072
PCDH18	-0.35483	-2.44277	0.015593	0.281603
SCO1;LINC00675;LINC00670	-0.28175	-2.44244	0.015607	0.281726
	-0.28044	-2.44187	0.015631	0.281758
	0.170479	2.442962	0.015585	0.281603
C4A;ENSG00000225914;NOTCH4	-0.33887	-2.44113	0.015662	0.281948
CTSF;CD248;LTBP3;EFEMP2;DPP3;PELI3;YIF1A	0.272257	2.432996	0.016006	0.283804
C7orf57;ABCA13;UPP1;PKD1L1	-0.27179	-2.43721	0.015827	0.282913
	0.294999	2.441976	0.015627	0.281756
	-0.28562	-2.43979	0.015718	0.2823
	0.202233	2.439103	0.015747	0.282475
	0.213046	2.442636	0.015599	0.281623
	0.24615	2.441451	0.015648	0.281927
	-0.32279	-2.43945	0.015732	0.282446
	-0.18902	-2.44139	0.015651	0.281927
GRK5;CASC2;RAB11FIP2	0.260351	2.443995	0.015542	0.281278
CXCR6;CCR5;LZTFL1;CCR2	-0.33967	-2.44533	0.015487	0.280988
C1orf222;MORN1;TTLL10;TTC34;TTLL10-				
AS1;ANKRD65;ENSG00000269896;ENSG00000272106;ENSG00				
000272420;TNFRSF18;C1orf233;FAM213B;ENSG00000238164;				
TMEM52	-0.44286	-2.44494	0.015503	0.281069
	0.226214	2.439845	0.015716	0.2823
	0.252977	2.441903	0.01563	0.281756
CTSW;SLC25A45	-0.33068	-2.44397	0.015543	0.281278
	0.207233	2.439467	0.015732	0.282444
	0.360448	2.443093	0.01558	0.281564
	0.233086	2.442737	0.015595	0.281603
WHSC1;SPON2	-0.28206	-2.43921	0.015743	0.282475
	0.259156	2.444075	0.015539	0.281278
	0.158512	2.443826	0.015549	0.281298
ALS2CR12;CFLAR;AOX1;CASP8;SPATS2L	-0.3475	-2.43503	0.015919	0.283394
PEA15	-0.28296	-2.44114	0.015661	0.281948
	0.178	2.441974	0.015627	0.281756
RAB37	-0.21326	-2.43953	0.015729	0.282422
	0.247547	2.437616	0.01581	0.282816
	-0.11579	-2.43813	0.015788	0.282662
ZNF234;ZNF221;ERCC1;PVRL2	0.203299	2.442773	0.015593	0.281603
LINC00472	0.185485	2.444129	0.015537	0.281278

PIWIL4	-0.29877	-2.44458	0.015518	0.28109
	0.230019	2.43778	0.015803	0.282793
	0.348007	2.444194	0.015534	0.281271
	-0.3422	-2.44127	0.015656	0.281927
	-0.38281	-2.44157	0.015644	0.281905
	0.237483	2.441999	0.015626	0.281756
ADPRHL2;C1orf216;COL8A2;OSCP1;TEKT2;AGO3;KIAA0319L;ENSG00000201448;ENSG00000232862;THRAP3;MAP7D1;GRIK3				
GRAMD2 MNT;SERPINF1	-0.30974	-2.43921	0.015742	0.282475
	0.30325	2.440503	0.015688	0.282169
	-0.28094	-2.43987	0.015715	0.2823
	0.240085	2.441182	0.01566	0.281948
	0.254053	2.443374	0.015568	0.281483
	-0.25904	-2.43918	0.015744	0.282475
	0.188235	2.441698	0.015638	0.281842
	0.279669	2.442271	0.015614	0.281756
	-0.28073	-2.44109	0.015663	0.281953
	-0.30651	-2.44272	0.015596	0.281603
SDC4;TOX2;OSER1;JPH2;TOMM34;SYS1;IFT52;WISP2;GDAP1L1;SRSF6				
SARDH;SLC2A6;GBGT1;ADAMTSL2	-0.32571	-2.43933	0.015737	0.282475
	-0.2635	-2.44193	0.015629	0.281756
	-0.2162	-2.44315	0.015578	0.281564
MYD88	0.143816	2.441963	0.015627	0.281756
	0.237637	2.436808	0.015844	0.283029
	0.205667	2.438908	0.015755	0.282557
AGR2;ENSG00000236318;AGR3;RAD17P1;TSPAN13 ENSG00000179038	0.193476	2.435841	0.015885	0.283152
	-0.25167	-2.43823	0.015784	0.282658
	-0.21304	-2.44014	0.015703	0.282204
	-0.22351	-2.44047	0.01569	0.282171
	-0.30258	-2.44223	0.015616	0.281756
CEP70;FAIM	0.198819	2.43915	0.015745	0.282475
	0.24874	2.440443	0.015691	0.282171
	-0.19863	-2.44212	0.01562	0.281756
	0.224778	2.440921	0.015671	0.282012
RASSF5 TTYH2;SSTR2;SLC39A11 PRDM16;ENSG00000272235	-0.23455	-2.44135	0.015653	0.281927
	-0.35279	-2.4396	0.015726	0.28238
	0.267612	2.439165	0.015744	0.282475
	-0.33596	-2.44237	0.01561	0.28174
SPAG1 ZBP1	0.248828	2.441891	0.01563	0.281756
	0.293749	2.440492	0.015689	0.282169
	0.227086	2.440107	0.015705	0.282204
	-0.32376	-2.4423	0.015613	0.281756
RBMS3	-0.29556	-2.4354	0.015903	0.283301
	0.240874	2.443173	0.015577	0.281564
	-0.40504	-2.43735	0.015821	0.282871
	-0.32794	-2.44133	0.015653	0.281927

BZW1;NDUFB3;ENSG00000213090	0.143827	2.441052	0.015665	0.281972
	0.292961	2.440233	0.0157	0.282204
	0.29276	2.438988	0.015752	0.282531
	-0.276	-2.44111	0.015663	0.281953
LRRC59	0.140433	2.443052	0.015582	0.281571
	-0.26927	-2.44124	0.015657	0.281927
	0.291353	2.443211	0.015575	0.281564
	0.362634	2.432368	0.016033	0.284053
SLC45A1;CAMTA1	-0.42252	-2.4391	0.015747	0.282475
	-0.15438	-2.43667	0.01585	0.283064
HUS1	0.282551	2.444007	0.015542	0.281278
	0.219512	2.43697	0.015837	0.28299
	0.257531	2.437242	0.015825	0.282913
	0.212885	2.440102	0.015705	0.282204
	0.246057	2.440044	0.015707	0.282222
	0.300201	2.4297	0.016147	0.284707
	0.181779	2.439703	0.015722	0.282337
	0.224247	2.439314	0.015738	0.282475
	-0.21756	-2.43855	0.01577	0.282658
	0.290251	2.440856	0.015673	0.282025
	0.295789	2.441805	0.015634	0.281797
	0.152933	2.440203	0.015701	0.282204
	-0.28032	-2.43911	0.015747	0.282475
	-0.26054	-2.43693	0.015839	0.282995
	0.25521	2.440901	0.015672	0.282015
PEX11G;TNFSF14	-0.29423	-2.44093	0.01567	0.282012
	-0.35808	-2.44132	0.015654	0.281927
EFTUD1P1;UBE2Q2P1	-0.34416	-2.44325	0.015573	0.281553
	-0.18959	-2.43783	0.015801	0.282783
HBA1	0.264456	2.440572	0.015685	0.282144
	-0.25774	-2.44006	0.015707	0.28222
HMHA1;ARID3A	-0.2594	-2.43991	0.015713	0.282284
RLTPR;FAM65A;CES4A;ZDHHC1;TPPP3;ENKD1;CES2;ATP6V0D1	-0.21766	-2.44141	0.01565	0.281927
	-0.25692	-2.43759	0.015811	0.282816
	0.311786	2.437154	0.015829	0.282923
EP400	-0.20673	-2.43598	0.015879	0.283152
	-0.19714	-2.4415	0.015646	0.281927
MDH1	0.240878	2.436046	0.015876	0.283152
GMPPA	0.249975	2.440969	0.015669	0.282012
	-0.20727	-2.43781	0.015802	0.282786
	0.317767	2.441919	0.015629	0.281756
VSTM2L;RPRD1B;KIAA1755;SAMHD1;RALGAPB;SOGA1;DLGAP4	-0.27908	-2.43752	0.015814	0.282816
	0.184472	2.438298	0.015781	0.282658
	0.186323	2.438355	0.015778	0.282658
LPCAT1;PDCD6;TPPP;TRIP13;MRPL36;SDHA	-0.33188	-2.43495	0.015923	0.283417

C1orf216;CSF3R TRNP1;RCC1;MED18	0.26239	2.439123	0.015746	0.282475
	-0.27606	-2.4352	0.015912	0.283349
	-0.29247	-2.43926	0.01574	0.282475
	0.357457	2.439272	0.01574	0.282475
	-0.36743	-2.44011	0.015705	0.282204
	0.215618	2.437871	0.015799	0.282772
	0.408129	2.439791	0.015718	0.2823
	-0.15428	-2.43688	0.015841	0.283014
	0.269072	2.440377	0.015693	0.282186
	0.253796	2.438628	0.015767	0.282658
	0.122975	2.441637	0.015641	0.281864
	-0.19859	-2.44024	0.015699	0.282204
	-0.22421	-2.43509	0.015916	0.283369
	0.259796	2.441158	0.015661	0.281948
	0.271008	2.438671	0.015765	0.282658
TSPAN18	0.341357	2.440205	0.015701	0.282204
	0.323479	2.439645	0.015724	0.282367
	0.237294	2.438435	0.015775	0.282658
	0.21598	2.439498	0.01573	0.282432
	0.208687	2.440315	0.015696	0.282186
HEPACAM2	0.265317	2.438335	0.015779	0.282658
	0.158335	2.437356	0.015821	0.282871
	-0.13785	-2.43514	0.015915	0.283358
	0.283565	2.439177	0.015744	0.282475
	0.27415	2.438186	0.015786	0.282658
	0.291251	2.437663	0.015808	0.282816
	0.130634	2.435279	0.015909	0.283336
	0.236235	2.437847	0.0158	0.282778
	0.205027	2.438167	0.015786	0.282658
	0.302012	2.43354	0.015983	0.283689
IL34;PHLPP2;CHST4;HYDIN;MARVELD3;COG4;NQO1;ST3GAL2;E NSG00000262890;ZNF19;WWP2	0.226038	2.438456	0.015774	0.282658
	0.237705	2.437117	0.015831	0.282927
	0.239794	2.438516	0.015772	0.282658
	-0.20244	-2.43976	0.015719	0.282302
	0.196928	2.438546	0.01577	0.282658
ENSG00000228037	-0.42335	-2.44125	0.015657	0.281927
	-0.44587	-2.43919	0.015743	0.282475
	0.302012	2.43354	0.015983	0.283689
PDGFRB;SYNPO;HMGXB3;CSNK1A1;MYOZ3;ANXA6;ARSI;NDST1	0.226038	2.438456	0.015774	0.282658
	0.237705	2.437117	0.015831	0.282927
	0.239794	2.438516	0.015772	0.282658
	-0.20244	-2.43976	0.015719	0.282302
	0.196928	2.438546	0.01577	0.282658
KIAA1244;REPS1;NHSL1 ENSG00000262973 FLNB	-0.42335	-2.44125	0.015657	0.281927
	-0.44587	-2.43919	0.015743	0.282475
	0.302012	2.43354	0.015983	0.283689
	0.226038	2.438456	0.015774	0.282658
	0.237705	2.437117	0.015831	0.282927
HKR1	0.239794	2.438516	0.015772	0.282658
	-0.20244	-2.43976	0.015719	0.282302
	0.196928	2.438546	0.01577	0.282658
	-0.42335	-2.44125	0.015657	0.281927
	-0.44587	-2.43919	0.015743	0.282475

	0.312708	2.438359	0.015778	0.282658
	0.194927	2.438151	0.015787	0.282658
TXNDC9;C2orf15	0.340929	2.437938	0.015796	0.282745
ARHGEF10	0.237713	2.429215	0.016168	0.284852
	0.237457	2.440327	0.015696	0.282186
SLC44A4;NELFE;NOTCH4;CLIC1;C6orf10;HSPA1A;HNRNPA1P2;E				
NSG00000225914	-0.27151	-2.43754	0.015813	0.282816
	0.376024	2.436156	0.015871	0.283145
	-0.51183	-2.43753	0.015813	0.282816
	-0.16904	-2.43748	0.015815	0.282816
	-0.28693	-2.44037	0.015694	0.282186
MISP;ARID3A;HMHA1;MOB3A;FSTL3;GPX4;SHC2	-0.28079	-2.43912	0.015746	0.282475
	0.208424	2.435646	0.015893	0.283235
RAET1E;LRP11;PPP1R14C;ENSG00000268592	-0.25609	-2.43006	0.016131	0.284586
	0.226782	2.436221	0.015869	0.283145
	-0.26672	-2.43853	0.015771	0.282658
	-0.26103	-2.43487	0.015926	0.283424
ARID3A;HMHA1;MISP;MOB3A;PPAP2C;SHC2;FSTL3	-0.22927	-2.43557	0.015896	0.283268
	0.237714	2.434491	0.015942	0.283542
	0.250194	2.438147	0.015787	0.282658
	0.179693	2.432964	0.016007	0.283804
	-0.45999	-2.43903	0.01575	0.282516
	0.324298	2.4401	0.015705	0.282204
	-0.28386	-2.43707	0.015833	0.282937
RHEB;GIMAP8	0.300473	2.438224	0.015784	0.282658
SETD3	0.134132	2.438828	0.015759	0.282606
KIAA1841;BCL11A;PEX13	-0.38828	-2.43121	0.016082	0.284308
	0.351625	2.436124	0.015873	0.283145
SYT8;TNNT2	0.412101	2.439957	0.015711	0.282276
	0.227129	2.441438	0.015649	0.281927
GAS6;TMEM255B	0.249226	2.435862	0.015884	0.283152
	-0.17719	-2.43821	0.015785	0.282658
MS4A8;RAB3IL1;FADS3;DAK;LRRN4CL;SCGB2A1;C11orf48;LRRC				
10B;CYB561A3;TMEM216;PPP1R32;EML3;TMEM138;ENSG000				
00257052;PTGDR2;FADS2;AHNAK;TMEM258	-0.27539	-2.43653	0.015856	0.283102
C17orf75	-0.22006	-2.43983	0.015716	0.2823
	-0.26651	-2.4359	0.015882	0.283152
	0.174751	2.438373	0.015778	0.282658
	0.351437	2.43804	0.015792	0.282692
	0.155106	2.437198	0.015827	0.282913
ARHGEF15;USP43;CTC1;WDR16	-0.28222	-2.43896	0.015753	0.282531
	-0.37943	-2.43924	0.015741	0.282475
	0.267895	2.43756	0.015812	0.282816
PTK2B;NUGGC	-0.32069	-2.43878	0.01576	0.282615
	0.243002	2.43657	0.015854	0.283093
	0.19549	2.434937	0.015923	0.283417
	0.237617	2.436432	0.01586	0.283126

PDE6B;ENSG00000272927	0.122741	2.433681	0.015977	0.283668
	-0.2315	-2.43597	0.015879	0.283152
	-0.18489	-2.43311	0.016001	0.28377
RN7SL674P	-0.17383	-2.43367	0.015977	0.283668
	0.308753	2.437349	0.015821	0.282871
	0.264571	2.434976	0.015921	0.283411
	0.227327	2.432717	0.016018	0.283883
	0.204427	2.435923	0.015881	0.283152
	-0.31993	-2.43506	0.015918	0.283386
	0.258477	2.437088	0.015832	0.282937
RABGAP1L;RFWD2	0.299658	2.437294	0.015823	0.282888
TACR1;BOLA3;DQX1	0.249696	2.438188	0.015786	0.282658
	-0.35164	-2.43416	0.015956	0.283593
	0.332762	2.439783	0.015718	0.2823
KLHDC7B	0.212221	2.438091	0.01579	0.282669
	-0.23423	-2.43864	0.015767	0.282658
ERGIC3	0.273767	2.436454	0.015859	0.283126
NDUFAF2	-0.17494	-2.43479	0.01593	0.283424
ZKSCAN1;ZNF3;PCOLCE;ZCWPW1;RABL5;ZNHIT1;AP1S1;GAL3S				
T4;STAG3	-0.30534	-2.43313	0.016	0.28377
MMRN2;LDB3;SNCG	0.189176	2.438469	0.015774	0.282658
	-0.29061	-2.43928	0.015739	0.282475
	0.37909	2.437761	0.015804	0.282795
	0.281887	2.429033	0.016176	0.284852
	0.295632	2.437517	0.015814	0.282816
	0.231909	2.436956	0.015838	0.28299
	0.208253	2.438215	0.015784	0.282658
	-0.2949	-2.43287	0.016011	0.283847
	-0.25351	-2.43831	0.01578	0.282658
	-0.15475	-2.43368	0.015976	0.283668
	0.214332	2.436574	0.015854	0.283093
APBB1;TRIM22;CNGA4	0.275306	2.437879	0.015799	0.282772
	-0.34169	-2.43826	0.015783	0.282658
	0.179559	2.43162	0.016065	0.28422
SEMA3G				
FMNL3;SPATS2;DDX23;ASIC1;TM6IM6;FAIM2;LMBR1L;TUBA1C	-0.43392	-2.43621	0.015869	0.283145
	-0.33713	-2.43854	0.015771	0.282658
	-0.34052	-2.43531	0.015907	0.283336
	0.272611	2.436352	0.015863	0.283145
HCP5	-0.25069	-2.43775	0.015804	0.282795
	0.311865	2.432021	0.016047	0.284092
	0.156568	2.437694	0.015806	0.282816
ENSG00000231980;ENSG00000233038;ENSG00000222012	0.33356	2.438736	0.015762	0.28264
	0.213684	2.428757	0.016188	0.284903
	0.120578	2.435291	0.015908	0.283336
	0.239299	2.436135	0.015872	0.283145
	0.253626	2.438585	0.015769	0.282658

PROM1;FGFBP2;BST1;CC2D2A	-0.32646	-2.43047	0.016114	0.284519
	0.249029	2.437494	0.015815	0.282816
	0.263806	2.435229	0.015911	0.283349
ZNF688;ZNF843	0.119755	2.437134	0.01583	0.282926
	0.303375	2.432408	0.016031	0.284046
	0.335424	2.434326	0.015949	0.283591
IGF2;TSPAN4;MRPL23;TALDO1	-0.29432	-2.43312	0.016	0.28377
	-0.32867	-2.43486	0.015927	0.283424
	1.544767	2.440683	0.015681	0.282096
	0.111455	2.436082	0.015875	0.283152
P2RX7;OASL	0.298084	2.436897	0.01584	0.283011
	-0.25995	-2.43655	0.015855	0.283096
	0.296901	2.433651	0.015978	0.283668
	-0.47949	-2.43615	0.015872	0.283145
CNOT11;RFX8;TMEM182;TBC1D8;RNF149	-0.27495	-2.43555	0.015897	0.283268
	0.281388	2.436569	0.015854	0.283093
THEM4;PLEKHO1;BNIPL;CGN;ADAMTSL4;GOLPH3L;ENSA;MRPS 21;SELENBP1;POGZ;FAM63A;SEMA6C;PSMD4;PSMB4 VTCN1 KIF6;DAAM2;MOCS1	-0.30294	-2.43479	0.01593	0.283424
	0.299572	2.436036	0.015876	0.283152
	-0.36373	-2.43716	0.015829	0.282923
	-0.25609	-2.43665	0.01585	0.283064
	0.23364	2.435539	0.015898	0.283268
	-0.2446	-2.43589	0.015883	0.283152
	-0.29938	-2.43844	0.015775	0.282658
	-0.36894	-2.43338	0.015989	0.283689
	-0.24008	-2.43602	0.015877	0.283152
	0.232691	2.430547	0.016111	0.28448
TMSB10	-0.2089	-2.43583	0.015885	0.283152
	-0.28689	-2.43557	0.015896	0.283268
	0.234905	2.43477	0.01593	0.283424
	-0.2717	-2.43671	0.015848	0.283063
	0.273318	2.433893	0.015968	0.283668
	-0.26768	-2.4355	0.015899	0.283274
HERC1;TLN2;CA12;ENSG00000259498;FBXL22	-0.3249	-2.4329	0.01601	0.283835
	-0.19285	-2.43618	0.01587	0.283145
	0.232246	2.433871	0.015968	0.283668
ZNF876P	-0.32312	-2.438	0.015793	0.282711
COL16A1;SDC3	-0.30569	-2.43584	0.015885	0.283152
	0.378979	2.434029	0.015962	0.28362
CD86	0.214406	2.436183	0.01587	0.283145
CYBRD1	0.30834	2.4342	0.015954	0.283593
	0.219326	2.436779	0.015845	0.283029
	0.262696	2.437596	0.015811	0.282816
	-0.33231	-2.43683	0.015843	0.283029
	0.159583	2.430586	0.016109	0.284462
HOXA5;HOXA3	0.320778	2.435213	0.015911	0.283349



	0.207026	2.435307	0.015907	0.283336
TRIM5;APBB1	0.179937	2.432111	0.016044	0.284085
UQCC2;PFDN6;ZBTB9	0.245754	2.436202	0.015869	0.283145
	-0.22736	-2.43809	0.01579	0.282669
	-0.18745	-2.43333	0.015992	0.283689
HK2;MTHFD2;DQX1	-0.29439	-2.43666	0.01585	0.283064
HCP5;HLA-B;HLA-DRA;HLA-C;HSPA1A;LTB;MICB	0.514374	2.436794	0.015844	0.283029
PTPRS;LRG1;GIPC3;PLIN4	-0.23839	-2.43642	0.01586	0.283126
RPL21P28;INTS7	0.236342	2.435168	0.015913	0.283352
	-0.30177	-2.4367	0.015848	0.283063
	0.27351	2.436242	0.015868	0.283145
UBXN11;CD164L2;NUDC;ENSG00000237429;FCN3;FAM76A;W				
DTC1;CNKSR1;HMG2;ZDHHC18	-0.20898	-2.43457	0.015939	0.283521
MAK;C6orf52;TMEM14B	-0.3828	-2.43752	0.015814	0.282816
TSPAN4;MRPL23;IGF2;MOB2;TSPAN32	-0.39317	-2.43569	0.015891	0.283211
	0.278205	2.433334	0.015991	0.283689
	0.340451	2.438576	0.015769	0.282658
	0.40428	2.436169	0.015871	0.283145
	-0.26731	-2.43206	0.016046	0.284086
	0.2625	2.432991	0.016006	0.283804
CSGALNACT1;SH2D4A;INTS10	0.228593	2.433515	0.015984	0.283689
	-0.27734	-2.43432	0.01595	0.283591
	0.235755	2.436168	0.015871	0.283145
RASAL3	-0.1938	-2.43516	0.015913	0.283352
	-0.32765	-2.43445	0.015944	0.283564
	-0.16783	-2.43423	0.015953	0.283593
	-0.18595	-2.43217	0.016041	0.284085
	-0.15667	-2.43234	0.016034	0.284063
	0.311853	2.437303	0.015823	0.282888
	0.260735	2.436229	0.015868	0.283145
	-0.35799	-2.4268	0.016272	0.285432
NEURL1B;RPL26L1;ENSG00000253683	0.225326	2.435423	0.015903	0.283298
	0.260985	2.434797	0.015929	0.283424
	0.319919	2.433458	0.015986	0.283689
	0.273422	2.432961	0.016007	0.283804
ENSG00000261254	-0.35751	-2.43425	0.015952	0.283591
DLG1;SLC51A;MUC4;PCYT1A	-0.28339	-2.43388	0.015968	0.283668
ARHGEF28	-0.34095	-2.4335	0.015984	0.283689
	0.216596	2.436415	0.01586	0.283126
ARHGEF10	0.321945	2.432229	0.016039	0.284085
	-0.1665	-2.43634	0.015864	0.283145
	0.326696	2.43474	0.015931	0.283424
EFCAB7	-0.24939	-2.43611	0.015873	0.283145
PAQR8;TRAM2	-0.31992	-2.43484	0.015927	0.283424
	0.21456	2.432581	0.016024	0.28395
	-0.29871	-2.43638	0.015862	0.283145
	0.301552	2.431415	0.016073	0.284281

IL32;PRSS22;PAQR4;ENSG00000262370;CCDC64B	0.321699	2.436852	0.015842	0.283021
HIST1H2BO;HIST1H1B	-0.18671	-2.43274	0.016017	0.28388
	0.377051	2.435476	0.0159	0.283276
LAMB2;DOCK3;BSN;SEMA3B;CACNA2D2;C3orf18;GPX1;RASSF1				
;HYAL2;AMT;NICN1;DALRD3	-0.52625	-2.42985	0.016141	0.284683
DOK2;GFRA2;LOXL2;REEP4;ENSG00000253837	-0.35208	-2.43748	0.015815	0.282816
CCDC88B;FERMT3;STIP1	0.223682	2.430207	0.016125	0.284562
	0.224914	2.432077	0.016045	0.284085
	-0.26494	-2.43274	0.016017	0.28388
	-0.20874	-2.43174	0.016059	0.284175
ATP8B1;TXNL1	-0.28333	-2.43474	0.015931	0.283424
ARHGAP29	0.266622	2.434337	0.015949	0.283591
NSFL1C;C20orf96;ENSG00000225377;SDCBP2	-0.20731	-2.43198	0.016049	0.284103
	0.131722	2.433841	0.01597	0.283668
	-0.1912	-2.43358	0.015981	0.283686
	0.2813	2.433563	0.015982	0.283689
	0.294705	2.43372	0.015975	0.283668
C2orf70	0.368416	2.43606	0.015875	0.283152
MRC2;ACE;MAP3K3	0.393426	2.433173	0.015998	0.28377
IQCA1	-0.39815	-2.43162	0.016065	0.28422
	-1.10699	-2.43741	0.015818	0.282858
	-0.26513	-2.43475	0.015931	0.283424
HELB;IRAK3	0.345736	2.432244	0.016038	0.284085
	0.37771	2.432045	0.016046	0.284086
	0.3465	2.43598	0.015879	0.283152
	-0.24156	-2.43179	0.016057	0.284148
	-0.19761	-2.43309	0.016002	0.283774
KIF26A;INF2;C14orf2;ENSG00000258858	-0.28926	-2.43462	0.015937	0.283491
	0.244786	2.434906	0.015924	0.283424
	-0.26437	-2.43576	0.015888	0.283196
KMT2A	-0.22028	-2.4337	0.015976	0.283668
LRRC27;TTC40;KNDC1;INPP5A;TUBGCP2	0.230914	2.428149	0.016214	0.285116
	0.251629	2.435722	0.01589	0.283202
CSR1;LMO1;KDM5B;TMEM183A;SHISA4;ELF3;LAD1;UBE2T;R				
ABIF;PPP1R12B;TIMM17A	-0.43001	-2.43585	0.015884	0.283152
	0.289666	2.430592	0.016109	0.284462
	0.191032	2.433793	0.015972	0.283668
	0.252108	2.4301	0.01613	0.284586
	0.129139	2.433334	0.015991	0.283689
	0.267715	2.434256	0.015952	0.283591
	0.148017	2.433452	0.015986	0.283689
	0.328539	2.434126	0.015958	0.283593
	0.224755	2.434271	0.015951	0.283591
	-0.30423	-2.43343	0.015987	0.283689
	0.239123	2.434035	0.015961	0.28362
ATP6V0E2-AS1;WDR86	0.28475	2.433904	0.015967	0.283668
	0.148824	2.430587	0.016109	0.284462

HYOU1	0.268406	2.435514	0.015899	0.283274
SLC16A1-AS1;AP4B1	-0.28756	-2.43511	0.015916	0.283369
	0.321247	2.431933	0.016051	0.284116
ENSG00000225805	-0.21885	-2.43136	0.016076	0.284293
	-0.21739	-2.43547	0.015901	0.283276
	-0.15258	-2.43016	0.016127	0.284562
	-0.30212	-2.43147	0.016071	0.284271
	-0.31399	-2.43307	0.016003	0.283781
OSR1	0.337699	2.434513	0.015941	0.283537
ICOSLG;ADARB1;LRRC3;ENSG00000267857;TRAPPC10	0.182036	2.431651	0.016063	0.284219
	0.225976	2.434348	0.015948	0.283591
	-0.21827	-2.43487	0.015926	0.283424
	0.199629	2.43237	0.016033	0.284053
C1orf168	0.321158	2.434112	0.015958	0.283593
RPL7P28;METTL24	0.32391	2.430814	0.016099	0.284383
	-0.23711	-2.43383	0.01597	0.283668
	0.116753	2.429608	0.016151	0.284713
	0.18981	2.432751	0.016016	0.28388
ZBTB9	0.242849	2.430035	0.016133	0.284586
	0.279928	2.429096	0.016173	0.284852
	0.624402	2.431836	0.016055	0.284127
	-0.20128	-2.43064	0.016107	0.284462
FXR2	0.189933	2.434408	0.015946	0.283569
	0.307386	2.430057	0.016132	0.284586
	-0.30602	-2.43501	0.01592	0.283397
	-0.2617	-2.43373	0.015974	0.283668
	-0.27032	-2.43389	0.015968	0.283668
	0.316089	2.433181	0.015998	0.28377
	-0.20359	-2.42725	0.016253	0.285353
POLD3;PPME1;MRPL48;PLEKHB1;PGM2L1;COA4;NEU3;ENSG0000254837;UCP2;DNAJB13	-0.22098	-2.42897	0.016178	0.284852
	0.270473	2.430912	0.016095	0.284383
LZTFL1;KIF9;PTH1R;CCR1	-0.24714	-2.43035	0.016119	0.284552
	-0.28789	-2.43364	0.015978	0.283668
	-0.28389	-2.43369	0.015976	0.283668
	-0.34572	-2.43338	0.015989	0.283689
	-0.30794	-2.43367	0.015977	0.283668
	-0.41887	-2.43532	0.015907	0.283336
	-0.25444	-2.43364	0.015978	0.283668
	0.371248	2.430859	0.016097	0.284383
	0.177085	2.428625	0.016193	0.284963
	0.258266	2.433369	0.01599	0.283689
	-0.27435	-2.43455	0.01594	0.283524
	-0.35364	-2.4302	0.016126	0.284562
	-0.23762	-2.43157	0.016067	0.284234
HCP5;HLA-B;HLA-DRA;MICB;PPP1R10;HSPA1A;LTB;HLA-C;PPP1R18	0.425808	2.434684	0.015934	0.283455

	0.26507	2.430897	0.016096	0.284383
RNF19B;YARS;FNDC5	-0.21375	-2.43443	0.015945	0.283564
KIF18B	-0.22982	-2.43283	0.016013	0.283867
MEAF6	0.292895	2.432093	0.016044	0.284085
	-0.21788	-2.43264	0.016021	0.283921
PTPN14	0.303805	2.427878	0.016226	0.285228
IL18R1;IL18RAP	-0.37374	-2.43421	0.015954	0.283593
	0.185704	2.429031	0.016176	0.284852
PPARGC1B;ARHGEF37	-0.30525	-2.42941	0.016159	0.28479
GSTP1;CDK2AP2	0.173428	2.429863	0.01614	0.284681
DEGS1	0.194532	2.432298	0.016036	0.284064
DUOX2	-0.23249	-2.43322	0.015996	0.283765
NKD1;ENSG00000261685;ENSG00000260029	0.346574	2.427824	0.016228	0.28524
	-0.26145	-2.43071	0.016104	0.284434
ZNF3;ZCWPW1;ZKSCAN1;EPHB4;AP4M1;KPNA7;GAL3ST4;ZNF6				
55;STAG3;TRIP6;BUD31;GNB2;MCM7;ZSCAN25;ACHE;MUC12	-0.29378	-2.43229	0.016036	0.284064
	0.306465	2.431261	0.01608	0.284308
	-0.24117	-2.4303	0.016121	0.284552
IL22RA1;STPG1;RCAN3	-0.26428	-2.43407	0.01596	0.283613
	-0.14953	-2.43017	0.016127	0.284562
	0.373596	2.433476	0.015985	0.283689
MBP	0.30572	2.431993	0.016049	0.284102
PTPN7;RNPEP	0.286004	2.433614	0.015979	0.283675
	-0.3499	-2.42883	0.016184	0.284902
	0.240522	2.434114	0.015958	0.283593
	-0.18135	-2.43277	0.016015	0.28388
	-0.16121	-2.43108	0.016088	0.284358
	0.39687	2.432311	0.016035	0.284064
PCSK4;MUM1	-0.27567	-2.43192	0.016052	0.284116
	0.183666	2.426153	0.0163	0.285611
	0.276059	2.430159	0.016127	0.284562
	0.263474	2.428423	0.016202	0.285017
ENSG00000253683	0.189253	2.432452	0.016029	0.284036
	0.284423	2.429604	0.016151	0.284713
	-0.2328	-2.43004	0.016132	0.284586
ENSG00000093100	-0.22059	-2.4315	0.01607	0.284265
	0.196565	2.431153	0.016085	0.284338
TWIST2;TRAF3IP1	-0.3405	-2.42784	0.016227	0.28524
	-0.3698	-2.42936	0.016161	0.284801
PPAP2C	0.253502	2.43211	0.016044	0.284085
	0.31833	2.434119	0.015958	0.283593
SCARNA21	0.40236	2.430621	0.016107	0.284462
	-0.34484	-2.4334	0.015989	0.283689
ZNF57;MOB3A;GNG7;AES;REEP6	0.310432	2.431866	0.016054	0.284116
	-0.38399	-2.43186	0.016054	0.284116
RNF213;SGSH;BAIAP2-AS1;PCYT2	0.208613	2.429499	0.016156	0.28477

MALT1	-0.34658	-2.4277	0.016233	0.285243
	-0.31589	-2.4307	0.016104	0.284434
ENSG00000269867	-0.23912	-2.43216	0.016042	0.284085
ZW10;RBM7	0.225465	2.430779	0.016101	0.284398
WNT4	0.301828	2.430354	0.016119	0.284552
APLNR	0.257772	2.432807	0.016014	0.283873
TBKBP1;HOXB-AS2;HOXB4;PRR15L;HOXB3	0.215064	2.426833	0.016271	0.285432
	0.21643	2.428147	0.016214	0.285116
	-0.165	-2.43134	0.016077	0.284293
	-0.26223	-2.43135	0.016076	0.284293
	-0.18616	-2.42708	0.01626	0.285395
	-0.22243	-2.43376	0.015973	0.283668
	-0.39575	-2.42674	0.016275	0.285456
	-0.27867	-2.43032	0.016121	0.284552
	-0.36876	-2.4277	0.016233	0.285243
	0.190147	2.429052	0.016175	0.284852
	0.231888	2.432079	0.016045	0.284085
MEX3D	0.205733	2.430216	0.016125	0.284562
	-0.39016	-2.43244	0.01603	0.284037
	-0.18696	-2.42624	0.016297	0.285611
	0.311856	2.430089	0.01613	0.284586
IDE	-0.20558	-2.43265	0.016021	0.283921
	-0.291	-2.43208	0.016045	0.284085
	0.274811	2.431002	0.016091	0.284363
	-0.42197	-2.42979	0.016143	0.284705
	-0.22423	-2.43105	0.016089	0.284358
ZNF618;COL27A1	-0.32185	-2.42869	0.01619	0.284934
TSPAN3;PSMA4;ADAMTS7;HYKK	0.233316	2.430965	0.016093	0.284363
CSMD2;C1orf216	0.350892	2.431126	0.016086	0.284346
PPAP2B;ENSG00000223956	0.326524	2.431033	0.01609	0.284358
BAIAP2L1;BRI3	-0.37538	-2.43299	0.016006	0.283804
	0.25108	2.429745	0.016145	0.284707
STK16	0.184893	2.431891	0.016053	0.284116
	-0.16479	-2.43155	0.016068	0.284238
	-0.24817	-2.42696	0.016265	0.285426
	-0.34016	-2.43129	0.016079	0.284308
NOVA2;EXOC3L2;ENSG00000267348;ERCC1;GEMIN7	-0.30919	-2.42749	0.016242	0.285297
	0.376036	2.433358	0.01599	0.283689
	0.19278	2.423071	0.016434	0.286427
	0.294055	2.434121	0.015958	0.283593
	0.268435	2.433149	0.015999	0.28377
ENSG00000225751	0.258962	2.430867	0.016097	0.284383
ZFAND2A	-0.19144	-2.43043	0.016116	0.284532
ENSG00000239696;RSPH10B2;RSPH10B;ENSG00000244167	-0.26261	-2.42316	0.016431	0.286421
	0.291875	2.428845	0.016184	0.284902
	0.197376	2.428415	0.016202	0.285017

	-0.19333	-2.42881	0.016185	0.284902
	0.260734	2.427996	0.016221	0.285183
	0.254778	2.424493	0.016372	0.286123
FN3KRP	0.136807	2.430465	0.016114	0.284519
	-0.26351	-2.42789	0.016225	0.285228
MCTP1	0.259114	2.430183	0.016126	0.284562
	0.346925	2.428272	0.016209	0.285091
BAK1	0.183385	2.426413	0.016289	0.285577
	0.297796	2.429433	0.016159	0.284786
ABI3	-0.36476	-2.43388	0.015968	0.283668
NEK1;CLCN3	-0.29936	-2.4261	0.016303	0.285627
	-0.38444	-2.43088	0.016096	0.284383
KCNRG;KPNA3;TRIM13;DLEU7;CDADC1;DLEU7-AS1;ST13P4	-0.31905	-2.42654	0.016283	0.285504
	0.31481	2.431048	0.016089	0.284358
	-0.20583	-2.43188	0.016054	0.284116
	-0.20794	-2.42775	0.016231	0.28524
	-0.17292	-2.42691	0.016268	0.285426
TUBA3D;PLEKHB2;POT1;CCDC74A	0.379216	2.431446	0.016072	0.284273
TRAF1;PHF19;NDUFA8;ENSG00000214654;CNTRL;MORN5	-0.2959	-2.4303	0.016121	0.284552
HLA-F;VAR52	-0.32465	-2.42875	0.016188	0.284903
	-0.21306	-2.43121	0.016082	0.284308
ABHD17C	-0.36577	-2.43214	0.016042	0.284085
	-0.22986	-2.42321	0.016428	0.286409
	0.349377	2.427544	0.01624	0.285268
	-0.16988	-2.42787	0.016226	0.285228
	0.120277	2.42691	0.016267	0.285426
	0.214058	2.43082	0.016099	0.284383
CTBP2;DHX32;BCCIP	-0.72674	-2.42964	0.016149	0.284707
ISL1	-0.28197	-2.42981	0.016142	0.284699
	-0.18811	-2.42594	0.016309	0.285653
	-0.17123	-2.43166	0.016063	0.284219
	-0.33666	-2.42646	0.016287	0.285556
	0.368164	2.429006	0.016177	0.284852
VCAN	-0.35041	-2.42533	0.016336	0.285849
	-0.21923	-2.42846	0.0162	0.285017
MCAM;PHLDB1;KMT2A;TMPRSS4;MPZL3;UBE4A;FXD2;CBL;FX				
YD6;HMBS;TREH;SCN2B;ENSG00000255176;DPAGT1;H2AFX;T				
MEM25;BCL9L	-0.282	-2.42968	0.016148	0.284707
ENSG00000184566;CD59;PRRG4;EHF	-0.39104	-2.43097	0.016092	0.284363
TMEM68	0.365236	2.430972	0.016092	0.284363
PABPC1L;YWHAB	0.180413	2.427584	0.016238	0.285266
	-0.13964	-2.429	0.016177	0.284852
RER1;SSU72	-0.31002	-2.43026	0.016123	0.284562
	0.199534	2.426366	0.016291	0.285589
	0.274037	2.42605	0.016305	0.285632

	0.313774	2.427164	0.016256	0.285381
	0.226475	2.428987	0.016178	0.284852
SLC2A10;SDC4;TP53RK	-0.32761	-2.42705	0.016261	0.285395
KIAA1456;ENSG00000255122;RPS3AP34;DLC1	0.210775	2.423956	0.016396	0.286251
	0.203991	2.424472	0.016373	0.286123
ADCY1;NACAD;H2AFV	-0.27432	-2.42893	0.01618	0.284871
TNFRSF10D;BIN3;ENSG00000253837;PHYHIP;RHOTB2;BMP1	-0.3088	-2.42969	0.016148	0.284707
	0.195138	2.431583	0.016066	0.284234
	-0.21309	-2.42973	0.016146	0.284707
KRT19;JUP;KRT13;PSME3	0.227382	2.425467	0.01633	0.285842
GAS8;SPATA33	-0.36722	-2.43124	0.016081	0.284308
DIP2C	0.31323	2.432175	0.016041	0.284085
	0.256627	2.431217	0.016082	0.284308
	-0.35113	-2.43144	0.016072	0.284273
	0.238182	2.431393	0.016074	0.284285
	0.523186	2.428458	0.016201	0.285017
	0.290548	2.427735	0.016232	0.28524
RPS6KA1	-0.22769	-2.42952	0.016155	0.284764
SLBP	0.213353	2.429003	0.016177	0.284852
	0.158957	2.431078	0.016088	0.284358
	0.437014	2.426932	0.016267	0.285426
HBB;TRIM5	-0.27723	-2.42304	0.016436	0.286427
LARP6	0.277409	2.430838	0.016098	0.284383
	0.114759	2.429105	0.016173	0.284852
CYB5R1;MDM4;PPFIA4;ENSG00000227417	-0.3542	-2.42992	0.016138	0.28465
	-0.29178	-2.42425	0.016383	0.28618
TCTN1;IFT81	-0.33753	-2.42876	0.016188	0.284903
	-0.28348	-2.43033	0.01612	0.284552
	-0.17952	-2.42971	0.016147	0.284707
FOXSI;CCM2L;KIF3B;BPIFB1	-0.22137	-2.42265	0.016453	0.286505
	0.255264	2.429037	0.016176	0.284852
ENSG00000273179;SPON2;PDE6B;ZNF141;ENSG00000272927	-0.22241	-2.42759	0.016238	0.285266
	0.201422	2.428273	0.016209	0.285091
	-0.23362	-2.4288	0.016186	0.284902
	0.225802	2.42635	0.016292	0.28559
ZNF876P;ENSG00000251188;ZNF732	0.238754	2.427783	0.01623	0.28524
	0.276086	2.430358	0.016119	0.284552
	-0.32794	-2.42475	0.016361	0.28607
PRKCQ;IL15RA;IL2RA;FBXO18	-0.44592	-2.42913	0.016172	0.284852
ADCY3;DNAJC27	-0.2957	-2.42572	0.016319	0.285741
	-0.16919	-2.42538	0.016334	0.285848
	-0.18414	-2.42823	0.01621	0.285107
	-0.13987	-2.42919	0.016169	0.284852
	-0.27325	-2.43125	0.016081	0.284308
	-0.33737	-2.42411	0.016389	0.286181

SNORA23	-0.25314	-2.42659	0.016281	0.285502
SLC1A7;PODN	0.295708	2.427135	0.016258	0.285391
	-0.19475	-2.4283	0.016207	0.28509
ARID5A;KANSL3;CNNM4	-0.32752	-2.42503	0.016349	0.285944
	-0.23068	-2.42809	0.016216	0.285136
BTN3A1;BTN2A2;BTN3A3;BTN3A2;TRIM38	0.32752	2.429934	0.016137	0.28465
	-0.29881	-2.42821	0.016211	0.285116
	0.303658	2.427874	0.016226	0.285228
	-0.18587	-2.42704	0.016262	0.285395
	-0.34482	-2.42857	0.016196	0.284973
	-0.23763	-2.42197	0.016482	0.286698
	-0.33827	-2.42947	0.016157	0.28478
	0.200633	2.421207	0.016516	0.286934
	0.23385	2.427606	0.016237	0.285266
	-0.26456	-2.42861	0.016194	0.284963
	-0.29809	-2.42315	0.016431	0.286421
	-0.20801	-2.4269	0.016268	0.285426
ZNF71;PEG3;ZNF552;ZNF154;ZNF584;CHMP2A;CENPBD1P1;ZNF135	-0.27695	-2.42943	0.016159	0.284786
	-0.1497	-2.42554	0.016327	0.285842
	0.276383	2.428146	0.016214	0.285116
TUBE1	0.261493	2.426136	0.016301	0.285611
APLNR	0.413357	2.428604	0.016194	0.284963
FAM83H-AS1;FAM83H;ZNF34;RHPN1-AS1;TSTA3;ARHGAP39;C8orf31;GPIHBP1	-0.37924	-2.42905	0.016175	0.284852
SMIM19	0.200856	2.422907	0.016442	0.286466
PRR26;IDI1;DIP2C	0.312642	2.429656	0.016149	0.284707
	-0.18022	-2.42494	0.016353	0.285983
LINC00689;ENSG00000231980	-0.42283	-2.42758	0.016239	0.285266
	0.172306	2.423248	0.016427	0.286397
	0.276139	2.427433	0.016245	0.285297
	0.229268	2.425361	0.016335	0.285849
TENC1	0.311617	2.427429	0.016245	0.285297
	0.290656	2.428535	0.016197	0.284985
	-0.31839	-2.42913	0.016172	0.284852
	-0.1427	-2.42336	0.016422	0.286355
	-0.33226	-2.42883	0.016185	0.284902
	-0.29302	-2.42819	0.016212	0.285116
	0.302319	2.427757	0.016231	0.28524
	-0.27137	-2.42859	0.016195	0.284963
PKNOX2;FEZ1;KIRREL3;CDON;HYLS1	-0.28135	-2.42556	0.016326	0.285837
	-0.29809	-2.42574	0.016318	0.285741
	0.197185	2.427386	0.016247	0.285318
	-0.24291	-2.42199	0.016482	0.286698
	-0.41388	-2.42195	0.016484	0.286698
PTPRZ1	-0.2946	-2.41988	0.016574	0.287245
	0.282615	2.429305	0.016164	0.284835



	-0.337	-2.42843	0.016202	0.285017
	0.226925	2.429673	0.016148	0.284707
AACSP1	0.317814	2.428998	0.016177	0.284852
STUB1	-0.19766	-2.42745	0.016244	0.285297
	0.332124	2.424122	0.016389	0.286181
	0.149619	2.426661	0.016278	0.285483
	0.374527	2.426629	0.01628	0.285483
ZNF165;GABBR1;PGBD1;ENSG00000197062;ZSCAN12P1;TRIM27;ZKSCAN8;HCG14	-0.35138	-2.4292	0.016169	0.284852
	0.270091	2.429033	0.016176	0.284852
PIK3AP1	0.244257	2.42619	0.016299	0.285611
	0.236858	2.425958	0.016309	0.285653
NEK10;MINOS1P3;ENSG00000221573	0.193789	2.42731	0.01625	0.285339
	0.185417	2.426542	0.016283	0.285504
	0.194385	2.426043	0.016305	0.285632
TMEM136	0.186095	2.426817	0.016271	0.285432
	0.285447	2.424207	0.016385	0.286181
SP140;SP100	0.294194	2.42271	0.01645	0.286489
	-0.18341	-2.426	0.016307	0.285643
TMC8;C1QTNF1;TIMP2	-0.26623	-2.42638	0.01629	0.285589
	0.174965	2.42373	0.016406	0.286321
GPR176;ENSG00000261183;SPINT1;DLL4;FSIP1	-0.28346	-2.42892	0.016181	0.284871
	0.201926	2.427296	0.016251	0.285339
ENSG00000260261	0.21208	2.422495	0.01646	0.286535
	-0.23686	-2.42717	0.016256	0.285381
	0.273553	2.422504	0.016459	0.286535
ADD2;DYSF	-0.31937	-2.42675	0.016274	0.285456
	0.179207	2.425475	0.01633	0.285842
	0.28181	2.424641	0.016366	0.286093
	0.191926	2.425378	0.016334	0.285848
	0.164015	2.425726	0.016319	0.285741
LAMTOR2	0.182228	2.423435	0.016419	0.286321
	0.289264	2.419457	0.016593	0.287324
	0.285473	2.429371	0.016161	0.284801
	0.158723	2.424489	0.016373	0.286123
CGNL1;MYO1E;LINC00926	-0.3998	-2.42435	0.016378	0.286136
	0.232284	2.423474	0.016417	0.286321
	-0.20283	-2.42504	0.016349	0.285944
	0.12685	2.42344	0.016418	0.286321
	0.305887	2.427551	0.01624	0.285268
RAPGEF4;CHN1;CIR1;ENSG00000091436;MLK7-AS1;GPR155	0.257426	2.423445	0.016418	0.286321
RER1;DFFB	0.206322	2.424402	0.016376	0.286123
	-0.20642	-2.4253	0.016337	0.285849
	0.216051	2.420146	0.016563	0.287188
	-0.47552	-2.42774	0.016231	0.28524
	0.297181	2.42542	0.016332	0.285848

ARHGDIB;PLBD1;RERG	0.351647	2.425386	0.016334	0.285848
	-0.43675	-2.42912	0.016172	0.284852
	0.271271	2.425958	0.016309	0.285653
RASAL3 H3F3AP6	-0.18857	-2.42454	0.01637	0.286122
	0.268586	2.425776	0.016317	0.285741
	-0.19058	-2.42351	0.016415	0.286321
FAM83H-AS1;ZNF34 ENSG00000248222;SLIT3;DOCK2;FAM196B HMHA1 ZCCHC8	-0.14812	-2.42517	0.016343	0.285924
	-0.24544	-2.42803	0.016219	0.285169
	-0.44586	-2.42631	0.016294	0.285609
ENSG00000229951	-0.22283	-2.42719	0.016255	0.285381
	0.262321	2.420569	0.016544	0.287082
	0.32816	2.427578	0.016239	0.285266
EGFL7;GPSM1;NOTCH1;SETP5;UAP1L1 DERL3;ADORA2A	-0.3873	-2.42732	0.01625	0.285339
	0.256426	2.423476	0.016417	0.286321
	0.212246	2.424865	0.016356	0.286028
ABHD11;LAT2	0.288216	2.427065	0.016261	0.285395
	0.176424	2.426032	0.016305	0.285632
	0.261926	2.422684	0.016451	0.286496
ENSG00000235920	-0.27986	-2.42684	0.016271	0.285432
	0.205996	2.424732	0.016362	0.28607
	-0.33253	-2.42774	0.016231	0.28524
RPP40;NRN1;CDYL SPOCK2;ENSG00000227540;MRPS16	0.224827	2.425674	0.016321	0.285764
	-0.31639	-2.42654	0.016284	0.285504
	-0.42076	-2.42539	0.016333	0.285848
DOK2;STC1;LOXL2	-0.28336	-2.4271	0.016259	0.285395
	-0.35234	-2.42206	0.016479	0.28669
	0.17964	2.422627	0.016454	0.286505
BVES;RTN4IP1	0.281481	2.426144	0.016301	0.285611
	0.38721	2.423461	0.016417	0.286321
	-0.35605	-2.42665	0.016279	0.285483
ENSG00000234222;ENSG00000231360;POLR3C;NBPF9 DNM3;MROH9;ENSG00000271811;PRRX1;FMO4;PRRC2C ZNF429;ENSG00000268416;ENSG00000268119;ZNF493;ZNF62 6 CKAP4;NUAK1	-0.15466	-2.42336	0.016422	0.286355
	-0.30812	-2.4228	0.016446	0.286482
	0.259572	2.426221	0.016297	0.285611
	-0.25555	-2.42684	0.016271	0.285432
	-0.28187	-2.42012	0.016564	0.287188
	-0.43313	-2.42509	0.016347	0.285944
	-0.19591	-2.42017	0.016562	0.287188
	0.283196	2.423927	0.016397	0.286251
	0.306397	2.425508	0.016328	0.285842
	0.197987	2.422827	0.016445	0.286482
	0.310301	2.423058	0.016435	0.286427
	-0.17357	-2.42258	0.016456	0.28651
	-0.2524	-2.42412	0.016389	0.286181
	-0.21815	-2.42472	0.016363	0.28607
	0.197548	2.418246	0.016646	0.287528
	-0.38001	-2.42624	0.016297	0.285611

R3HDM1	0.162033	2.423701	0.016407	0.286321
ENSG00000261269;ARHGEF28;ZNF366	0.27236	2.424144	0.016388	0.286181
GNG7;MOB3A;S1PR4	-0.25876	-2.42414	0.016388	0.286181
STMN3;SLC2A4RG	-0.19687	-2.42663	0.016279	0.285483
	-0.21807	-2.42472	0.016363	0.28607
ENSG00000233954	0.19182	2.423815	0.016402	0.286301
	0.266994	2.423136	0.016432	0.286421
	0.150671	2.415551	0.016766	0.288044
	0.224073	2.424788	0.01636	0.28607
	0.309369	2.424495	0.016372	0.286123
	0.165668	2.426255	0.016296	0.285611
	0.209784	2.42732	0.01625	0.285339
C4orf19	-0.35101	-2.42415	0.016388	0.286181
	0.296991	2.425463	0.01633	0.285842
	0.294123	2.421073	0.016522	0.286961
	0.268362	2.424412	0.016376	0.286123
	-0.4462	-2.42695	0.016266	0.285426
	-0.24041	-2.42621	0.016298	0.285611
TEP1;TTC5;RPPH1	-0.2885	-2.42155	0.016501	0.286822
	0.24126	2.424336	0.016379	0.286138
CRNDE;IRX5	-0.21269	-2.42581	0.016315	0.285741
	-0.30925	-2.42502	0.01635	0.285944
SLC25A42;B3GNT3;KLHL26;ISYNA1	-0.50308	-2.42393	0.016397	0.286251
C22orf34	-0.30963	-2.42455	0.01637	0.286122
	-0.16416	-2.42725	0.016253	0.285353
ENSG00000163075;INHBB;ENSG00000229326;GLI2;RALB	-0.20388	-2.42225	0.01647	0.286638
	0.228682	2.42465	0.016366	0.286093
TRAK2;ALS2CR12;ALS2	-0.32959	-2.42811	0.016216	0.285133
SNX29P2	-0.16202	-2.42531	0.016337	0.285849
	0.357224	2.425263	0.016339	0.285866
	0.208739	2.422592	0.016455	0.28651
COTL1;IRF8;ENSG00000261471;ATP2C2;TLDC1	-0.25291	-2.42747	0.016243	0.285297
	0.16989	2.427038	0.016262	0.285395
	0.253163	2.427611	0.016237	0.285266
	-0.15759	-2.42213	0.016476	0.286667
	-0.3657	-2.42617	0.0163	0.285611
KCNMA1	0.188899	2.421577	0.0165	0.286822
	-0.20191	-2.42081	0.016534	0.287004
	0.17874	2.421471	0.016504	0.286839
	0.267273	2.423486	0.016416	0.286321
	-0.25937	-2.42608	0.016304	0.285632
	0.313397	2.425027	0.016349	0.285944
RRN3P1	-0.41537	-2.42573	0.016318	0.285741
INF2;C14orf79;KIAA0125;IGHV3-23;IGHV3-21;IGHJ3P;IGHG2;ADSSL1;IGHM;IGHV3-7;IGHA1;IGHG1;IGHG4;IGHV1-2;IGHA2;IGHV3-15;IGHV4-39;IGHV4-34;IGHG3	-0.23938	-2.41841	0.016639	0.287477

	0.346511	2.423755	0.016405	0.286321
KLHDC7A	-0.35668	-2.42135	0.01651	0.286892
PPM1F;IGLV1-44;TUBA3FP;P2RX6;IGLV1-40;ENSG00000187905	-0.40987	-2.41953	0.01659	0.287324
ANO2;NTF3;VWF	-0.31463	-2.41939	0.016596	0.287351
	-0.29129	-2.41593	0.016749	0.288028
	0.146637	2.420344	0.016554	0.287149
CCDC40;PCYT2;MAFG-AS1;LRRC45;BAIAP2-AS1;NOTUM;ENSG00000263069;ENSG00000261924;ARHGDI	-0.25846	-2.42157	0.0165	0.286822
	0.257505	2.420688	0.016539	0.287049
	-0.25575	-2.42255	0.016457	0.286519
	-0.19361	-2.42442	0.016376	0.286123
	0.24402	2.423486	0.016416	0.286321
PAK1IP1;GCNT2	-0.25693	-2.42552	0.016328	0.285842
	-0.23696	-2.42277	0.016448	0.286489
RPL29;ABHD14B;ALAS1;RBM15B	-0.25719	-2.42455	0.01637	0.286122
TNFRSF1B;PLOD1;TNFRSF8;MIIP;MAD2L2	0.337746	2.41962	0.016586	0.287324
	0.291461	2.422635	0.016454	0.286505
	0.253043	2.425007	0.01635	0.285944
TMEM154;TLR2;TRIM2;ARFIP1	-0.41205	-2.42423	0.016384	0.286181
	0.278864	2.421573	0.0165	0.286822
DNMBP;ERLIN1	-0.38471	-2.41756	0.016677	0.287619
	0.266443	2.426159	0.0163	0.285611
	-0.28168	-2.42441	0.016376	0.286123
	-0.3708	-2.42664	0.016279	0.285483
SYDE2;BCL10	-0.30773	-2.42334	0.016422	0.286355
DFFB	-0.2275	-2.42297	0.016439	0.286431
	-0.21559	-2.42508	0.016347	0.285944
VWA3A;DNAH3;SDR42E2;SMG1P1;EEF2K	-0.30906	-2.42051	0.016547	0.287098
	-0.21209	-2.42198	0.016482	0.286698
	0.209877	2.420844	0.016532	0.286989
	-0.47838	-2.42685	0.01627	0.285432
	0.193988	2.419925	0.016572	0.287242
	-0.2939	-2.42395	0.016396	0.286251
GALNT15	0.274697	2.421527	0.016502	0.28683
	0.175205	2.422468	0.016461	0.286544
	0.226779	2.422355	0.016466	0.286607
	-0.34432	-2.42511	0.016346	0.285944
FCGR2B	0.317751	2.425301	0.016337	0.285849
	-0.19664	-2.42307	0.016434	0.286427
	-0.26333	-2.42355	0.016413	0.286321
F2RL2	0.413435	2.423097	0.016433	0.286427
CREBBP;ZNF213;PKD1;MMP25;ENSG00000259933;SRRM2;ENSG00000261123;ABCA17P	0.282901	2.424703	0.016363	0.28607
	0.256337	2.423954	0.016396	0.286251
PRR15;WIPF3;CHN2;NOD1;AQP1;FAM188B;SCRN1	-0.32146	-2.41593	0.016749	0.288028

LRRC59;MRPL27;SGCA;SLC35B1	0.281889	2.421454	0.016505	0.286839
	-0.22736	-2.42345	0.016418	0.286321
	0.20747	2.425749	0.016318	0.285741
	0.320377	2.423559	0.016413	0.286321
	0.181063	2.424574	0.016369	0.286122
	0.205268	2.424411	0.016376	0.286123
	0.298144	2.423796	0.016403	0.286303
	0.312691	2.423578	0.016412	0.286321
	0.264342	2.422889	0.016442	0.286468
	0.200519	2.42346	0.016417	0.286321
	-0.13943	-2.4181	0.016653	0.287572
	-0.37707	-2.42384	0.016401	0.286291
	0.235499	2.415662	0.016761	0.288044
	-0.2438	-2.42099	0.016526	0.286961
C11orf21	0.217698	2.418182	0.016649	0.287548
CYBRD1;ENSG00000091436	0.355459	2.423535	0.016414	0.286321
	-0.21489	-2.41536	0.016775	0.288087
	-0.30751	-2.42091	0.016529	0.286975
	0.425362	2.41945	0.016593	0.287324
FBLN2;TPRXL;NUP210;TMEM40;CAND2	-0.17246	-2.42372	0.016406	0.286321
	0.272632	2.425085	0.016347	0.285944
	-0.11341	-2.42203	0.01648	0.28669
	0.246997	2.420423	0.016551	0.287104
	0.291611	2.420652	0.01654	0.287053
	0.30928	2.421616	0.016498	0.28682
TMEM255B;GAS6;TMCO3	-0.35922	-2.42184	0.016488	0.286739
	0.204239	2.420481	0.016548	0.287098
	-0.1856	-2.41948	0.016592	0.287324
FLT1;UBL3	0.288793	2.42425	0.016383	0.28618
	-0.23292	-2.42274	0.016449	0.286489
	0.250341	2.421212	0.016516	0.286934
	0.377384	2.424767	0.016361	0.28607
PDPN	0.237374	2.421037	0.016524	0.286961
	0.255391	2.423857	0.0164	0.286291
	0.257395	2.422413	0.016463	0.286574
	-0.31118	-2.42275	0.016448	0.286489
DAXX;CUTA;RPS18;SLC39A7	-0.17396	-2.42436	0.016378	0.286136
	0.29481	2.422996	0.016438	0.286431
	0.219059	2.423933	0.016397	0.286251
	-0.27947	-2.4203	0.016556	0.28716
	-0.24376	-2.41755	0.016678	0.287622
MYH14	-0.36718	-2.41878	0.016623	0.287464
	-0.41492	-2.41897	0.016614	0.28741
	-0.2315	-2.42212	0.016476	0.286667
MISP	0.302951	2.423253	0.016426	0.286397
	0.277003	2.423603	0.016411	0.286321
	-0.21521	-2.42271	0.01645	0.286489
KLHDC4				
PTPRS;FUT3				
TPPP;TRIP13;NKD2;LPCAT1;ENSG00000188002;MRPL36				

STIM2;ENSG00000240005;SMIM20	-0.32336	-2.42111	0.01652	0.286961
	-0.15808	-2.42113	0.01652	0.286961
	0.21197	2.421155	0.016518	0.286961
	0.217979	2.424134	0.016388	0.286181
KLHL36	-0.25796	-2.41846	0.016637	0.287473
	0.193818	2.419685	0.016583	0.287314
	0.266084	2.418324	0.016643	0.28748
	-0.28766	-2.42364	0.01641	0.286321
	0.134243	2.420843	0.016532	0.286989
	-0.23398	-2.41995	0.016571	0.287242
	-0.15515	-2.41839	0.01664	0.287477
	-0.16531	-2.41842	0.016639	0.287477
	0.359253	2.423002	0.016437	0.286431
	0.351302	2.422313	0.016468	0.286625
	-0.21344	-2.42182	0.016489	0.286739
	0.380596	2.416204	0.016737	0.287962
CLIC4;STPG1;RCAN3;MAN1C1;SRRM1;IL22RA1	-0.20914	-2.41765	0.016673	0.287613
	0.289817	2.42165	0.016497	0.286805
TAP1;TAP2;HLA-DMB;HLA-DMA;HLA-DOA;HLA-DPB1;PSMB9;HLA-DPA1;HLA-DRA;RPL32P1;PSMB8;TAPSAR1;TAPBP	0.302397	2.422046	0.016479	0.28669
	-0.26012	-2.42178	0.016491	0.286742
	0.372867	2.421754	0.016492	0.28675
	-0.46204	-2.41857	0.016632	0.287464
	0.253339	2.420225	0.016559	0.287176
	-0.26401	-2.4176	0.016675	0.287613
	0.194396	2.417836	0.016665	0.287581
	-0.24694	-2.4215	0.016503	0.286836
	0.213242	2.421217	0.016516	0.286934
PDGFB;SOX10;APOBEC3G;CBX7;DNAL4;TOMM22;NPTXR;SYNGR1;TAB1;BAIAP2L2	-0.31928	-2.4219	0.016486	0.286723
	0.225219	2.419044	0.016611	0.287407
C9orf139	-0.21342	-2.41982	0.016577	0.287267
	0.209716	2.421801	0.01649	0.286739
STYXL1;HIP1;CCDC146;ENSG00000227038 ITGAL;CORO1A;ZNF629	0.263675	2.420137	0.016563	0.287188
	-0.28018	-2.42365	0.016409	0.286321
	0.290383	2.422873	0.016443	0.286469
	0.264688	2.419547	0.016589	0.287324
	0.172717	2.42121	0.016516	0.286934
DOCK2;LCP2	0.272644	2.418066	0.016654	0.287576
	0.202646	2.41906	0.016611	0.287407
	-0.17736	-2.42212	0.016476	0.286667
	-0.25623	-2.41811	0.016652	0.287572
	0.243313	2.4221	0.016477	0.286673
	-0.21879	-2.41673	0.016713	0.287821
	0.216282	2.415881	0.016751	0.288028
	0.212253	2.422301	0.016468	0.286625

FAM86JP	0.202795	2.420475	0.016548	0.287098
	-0.22698	-2.42107	0.016522	0.286961
	0.288425	2.421128	0.01652	0.286961
	0.306721	2.422794	0.016447	0.286482
SGIP1;ENSG00000224570;TCTEX1D1;LEPR;ENSG00000226891; WDR78	0.335888	2.417658	0.016673	0.287613
ENSG00000251370;SEMA5A;CCT5	-0.48494	-2.42305	0.016435	0.286427
	-0.25962	-2.4217	0.016494	0.286779
	-0.19423	-2.42033	0.016555	0.28715
TCF7;PCBD2	0.282049	2.416747	0.016713	0.287821
MRC2;CYB561	0.550157	2.422136	0.016475	0.286667
	0.233441	2.418973	0.016614	0.28741
ABCA6;ABCA10;ABCA8;ABCA9;ENSG00000267361	-0.31295	-2.41695	0.016704	0.287792
STARD9	-0.34702	-2.41936	0.016597	0.287353
NAP1L4;TSPAN32	-0.19075	-2.42088	0.01653	0.286985
	0.230365	2.419605	0.016587	0.287324
	-0.29658	-2.41762	0.016674	0.287613
	0.139921	2.41796	0.016659	0.287581
	0.342197	2.422802	0.016446	0.286482
	0.324661	2.420155	0.016562	0.287188
	-0.22369	-2.4133	0.016866	0.28855
	-0.30624	-2.42226	0.01647	0.286638
COX14	-0.26979	-2.42121	0.016516	0.286934
	0.307546	2.417353	0.016686	0.287696
LIFR	0.307105	2.41817	0.01665	0.287548
	-0.22887	-2.41889	0.016618	0.287428
EXOSC2;ABL1;PPAPDC3;LAMC3;AIF1L	-0.34004	-2.41915	0.016606	0.287381
BAI2;FAM167B	-0.27681	-2.41957	0.016588	0.287324
MAGI1	0.258651	2.421944	0.016484	0.286698
ZNF165	0.277878	2.420785	0.016535	0.287008
	0.292227	2.416648	0.016717	0.287845
	-0.1537	-2.41741	0.016683	0.287665
CCDC180	0.355034	2.419994	0.016569	0.287242
CGN;RORC;CTSS;GOLPH3L;SELENBP1;ENSG00000269621;THE M4;BNIPL;ECM1	-0.28968	-2.42095	0.016527	0.286967
	-0.21525	-2.41835	0.016642	0.28748
BAIAP2;WDR45B;C17orf62;PCYT2;SLC25A10;RAB40B	-0.25123	-2.41996	0.016571	0.287242
	0.25409	2.421277	0.016513	0.286934
	-0.22506	-2.42025	0.016558	0.287176
	0.273318	2.417342	0.016687	0.287696
	0.262648	2.419138	0.016607	0.287381
	0.296648	2.420757	0.016536	0.287008
TSR1	0.284632	2.415936	0.016749	0.288028
	-0.27694	-2.42257	0.016456	0.28651
	-0.28392	-2.42022	0.01656	0.287176
	-0.434	-2.4165	0.016724	0.287914
	0.280304	2.421799	0.01649	0.286739

TRAPPC8	0.286852	2.418629	0.01663	0.287464
	-0.25812	-2.41707	0.016699	0.28779
	-0.62568	-2.42006	0.016567	0.287217
LILRB1	0.2861	2.419453	0.016593	0.287324
	-0.15826	-2.42101	0.016525	0.286961
	0.201993	2.420588	0.016543	0.287082
	-0.29019	-2.42298	0.016438	0.286431
	0.352899	2.422128	0.016476	0.286667
	-0.1593	-2.41997	0.01657	0.287242
	0.278736	2.419743	0.01658	0.287293
	0.41191	2.420661	0.01654	0.287053
	0.247533	2.420575	0.016544	0.287082
CUX1	0.2703	2.418862	0.016619	0.287441
FMN2	0.177809	2.416926	0.016705	0.287792
	0.392563	2.420446	0.01655	0.287104
	-0.34244	-2.41683	0.016709	0.287821
	-0.27072	-2.42224	0.016471	0.286638
	0.330247	2.41797	0.016659	0.287581
	0.328901	2.419913	0.016573	0.287242
	0.209948	2.417838	0.016665	0.287581
	-0.20848	-2.41933	0.016599	0.287355
	0.318385	2.417872	0.016663	0.287581
DPY19L2	0.573645	2.423244	0.016427	0.286397
	-0.2154	-2.41879	0.016622	0.287464
	-0.19915	-2.41947	0.016593	0.287324
	-0.25995	-2.40847	0.017083	0.289695
	0.190739	2.421372	0.016509	0.286889
	0.178742	2.418061	0.016655	0.287576
ANTXR1;ANXA4;GFPT1	-0.2946	-2.42023	0.016559	0.287176
EBF2	0.347395	2.419901	0.016574	0.287242
	-0.21933	-2.4164	0.016728	0.287914
	0.223408	2.420471	0.016548	0.287098
	0.215978	2.420972	0.016526	0.286961
	-0.22813	-2.41473	0.016803	0.288296
	-0.19678	-2.41863	0.01663	0.287464
	0.139893	2.418592	0.016631	0.287464
	0.166392	2.414186	0.016827	0.288409
	0.188824	2.419442	0.016594	0.287324
RSPH10B2	0.306925	2.416918	0.016705	0.287792
ZNF662;ZBTB47;HIGD1A;FAM198A;TRAK1	-0.43269	-2.42315	0.016431	0.286421
NME4	0.134736	2.418641	0.016629	0.287464
TTC28;UQCR10;AP1B1;MTMR3;XBP1	-0.26128	-2.41928	0.016601	0.287373
ANXA11;TMEM254;ZCCHC24	-0.37203	-2.41788	0.016663	0.287581
HTATIP2	-0.25605	-2.42103	0.016524	0.286961
BBS9;KBTBD2	-0.47982	-2.41838	0.016641	0.287477
	-0.30371	-2.41352	0.016857	0.288542
	-0.25394	-2.42099	0.016526	0.286961



	-0.19001	-2.41859	0.016631	0.287464
DYSF	0.242688	2.41833	0.016643	0.28748
MSLN;TPSD1	-0.50082	-2.41783	0.016665	0.287581
C1QB;C1QA;IL22RA1	-0.3531	-2.41799	0.016658	0.287581
TSPAN4;TALDO1;MRPL23;IGF2	-0.30069	-2.4151	0.016786	0.288218
	-0.33006	-2.41991	0.016573	0.287242
	0.393276	2.42093	0.016528	0.28697
	0.277898	2.418582	0.016632	0.287464
	0.264044	2.417907	0.016661	0.287581
UBA7;RASSF1	-0.28017	-2.41946	0.016593	0.287324
	0.3488	2.421052	0.016523	0.286961
	-0.31837	-2.41976	0.01658	0.287291
	0.224539	2.417164	0.016694	0.287762
	0.226641	2.417497	0.01668	0.287643
	0.343402	2.414591	0.016809	0.288326
CD302;TANK	0.332453	2.418019	0.016657	0.287581
CCBE1;ZNF532;ATP8B1	0.426258	2.419176	0.016605	0.287381
	0.199486	2.419783	0.016579	0.287285
	0.278767	2.41719	0.016693	0.287754
	0.187028	2.418934	0.016616	0.28741
	-0.23965	-2.41787	0.016663	0.287581
	0.212458	2.42076	0.016536	0.287008
	-0.2304	-2.41715	0.016695	0.287764
IRX5;IRX3	-0.27842	-2.41762	0.016674	0.287613
	-0.39226	-2.41676	0.016712	0.287821
	0.218006	2.41625	0.016735	0.287939
	-0.17074	-2.41516	0.016783	0.288204
MEG3;MEG8;DIO3OS;ENSG00000225746;RTL1;ENSG00000232018;DIO3;ENSG00000271417;HSP90AA1;BEGAIN	-0.26848	-2.4141	0.016831	0.288428
	-0.21787	-2.41555	0.016766	0.288044
PPAP2B;ENSG00000223956	0.253698	2.418936	0.016616	0.28741
	-0.4911	-2.417	0.016702	0.287792
	0.173199	2.419343	0.016598	0.287353
	0.259968	2.418455	0.016637	0.287473
	0.248952	2.414906	0.016795	0.288296
CCDC108;ENSG00000235337;RQCD1;DNAJB2;GLB1L;TUBA4B;CYP27A1;ENSG00000227308;TTLL4;STK36;ENSG00000224090	0.261583	2.419271	0.016601	0.287373
LEPREL2;C1S;IFFO1;SCNN1A;C1R;ANO2;VWF;RBP5;PTPN6;PTMS;CD27-AS1;LRRC23;GNB3	0.241438	2.420508	0.016547	0.287098
IMPA1;SLC10A5;CHMP4C	-0.36771	-2.41896	0.016615	0.28741
ENSG00000244137;CAPN9	-0.35692	-2.41984	0.016576	0.287267
	-0.14667	-2.41658	0.01672	0.287881
	-0.29799	-2.42011	0.016564	0.287188
PAFAH2	0.217438	2.413111	0.016875	0.288593
	0.181439	2.416187	0.016738	0.287963
	0.243616	2.419646	0.016585	0.287324

	-0.13271	-2.41573	0.016758	0.288044
	0.254545	2.418987	0.016614	0.28741
	-0.23958	-2.41543	0.016771	0.288066
	0.242604	2.417629	0.016674	0.287613
	0.29051	2.420418	0.016551	0.287104
CD3G	0.176109	2.41648	0.016725	0.287914
	0.288278	2.419214	0.016604	0.287381
	0.186901	2.418542	0.016633	0.287464
	0.176149	2.416652	0.016717	0.287845
	-0.48401	-2.41952	0.01659	0.287324
	-0.21147	-2.41747	0.016681	0.287643
	-0.35704	-2.41443	0.016816	0.288369
HRH2	-0.31934	-2.41346	0.016859	0.288542
	-0.26444	-2.41972	0.016581	0.287297
	-0.31434	-2.41883	0.016621	0.287454
SLC13A2;SDF2	-0.2899	-2.41955	0.016589	0.287324
GPR133;RAN	-0.3318	-2.41252	0.016901	0.288775
RPS3AP25	-0.20278	-2.41936	0.016597	0.287353
	0.157259	2.4143	0.016822	0.288398
	-0.23523	-2.41758	0.016676	0.287619
CSF1;LAMTOR5;GSTM5;SLC16A4;KCNA3;WDR77	-0.19735	-2.41774	0.016669	0.287588
	-0.23252	-2.41571	0.016759	0.288044
	-0.19209	-2.41799	0.016658	0.287581
	0.247289	2.417241	0.016691	0.287745
	0.290314	2.416357	0.01673	0.287914
CD22;DMKN	-0.35902	-2.42146	0.016505	0.286839
ENSG00000258352	-0.35536	-2.41206	0.016922	0.288855
	0.237264	2.417472	0.016681	0.287643
C5orf63	-0.40057	-2.41625	0.016735	0.287939
NOS3;CDK5	0.302864	2.408093	0.017101	0.289751
	0.145855	2.418686	0.016627	0.287464
	0.274371	2.418184	0.016649	0.287548
CORIN	-0.30531	-2.41872	0.016625	0.287464
	0.16319	2.41588	0.016751	0.288028
	0.282803	2.416424	0.016727	0.287914
	0.24171	2.41921	0.016604	0.287381
	-0.34472	-2.41433	0.01682	0.288397
	0.114133	2.417028	0.0167	0.287792
FAM86B3P	0.157245	2.419255	0.016602	0.287374
DNAJA4	0.310663	2.418649	0.016629	0.287464
	-0.19978	-2.4172	0.016693	0.287754
POLR2G	-0.20464	-2.41906	0.01661	0.287407
	-0.38655	-2.41381	0.016844	0.288453
	0.376817	2.419071	0.01661	0.287407
	0.122811	2.40773	0.017117	0.289875
	0.207332	2.416815	0.01671	0.287821
	0.328703	2.416448	0.016726	0.287914

	0.285039	2.416646	0.016717	0.287845
LAMP3;DVL3	-0.23582	-2.41897	0.016615	0.28741
TGFBR3	-0.33113	-2.41638	0.016729	0.287914
	0.15872	2.418159	0.01665	0.287548
CHRD;MAP3K13;MAGEF1;PSMD2;EHHADH;C3orf70	-0.27592	-2.41587	0.016752	0.288028
	-0.39239	-2.41553	0.016767	0.288044
	0.238729	2.419162	0.016606	0.287381
	-0.1779	-2.41655	0.016722	0.287895
	-0.23958	-2.4177	0.016671	0.287607
	0.239648	2.417744	0.016669	0.287588
RNF216;FSCN1	-0.34727	-2.41283	0.016887	0.288657
	-0.37201	-2.41477	0.016801	0.288296
GPR132	-0.33428	-2.41865	0.016629	0.287464
AGAP2;ARHGAP9	-0.3722	-2.41855	0.016633	0.287464
	-0.28923	-2.4136	0.016853	0.288515
ABCA13;C7orf57;TNS3	-0.3447	-2.41856	0.016633	0.287464
ITPKB;C1orf95;PYCR2	-0.31989	-2.41401	0.016835	0.288428
	-0.17915	-2.41446	0.016814	0.288369
	0.244615	2.416785	0.016711	0.287821
	-0.90002	-2.42183	0.016489	0.286739
	0.286308	2.416748	0.016713	0.287821
	-0.18563	-2.41609	0.016742	0.288007
	-0.32023	-2.41592	0.016749	0.288028
	0.321581	2.417042	0.0167	0.287792
ACACB;ENSG00000256139;KCTD10;FOXN4;IFT81;TCTN1	-0.31078	-2.41323	0.016869	0.288555
	-0.27497	-2.41868	0.016628	0.287464
	0.344071	2.419142	0.016607	0.287381
	-0.3468	-2.41788	0.016663	0.287581
ENSG00000262601;COX4I1;COTL1;USP10;KIAA0513	0.256246	2.416912	0.016706	0.287792
ZNF557	0.218773	2.415756	0.016757	0.288044
	-0.42218	-2.41345	0.01686	0.288542
AQP1;PRR15;GGCT;NOD1;INMT	-0.30426	-2.41607	0.016743	0.288007
	0.291217	2.414597	0.016808	0.288326
	0.302505	2.417766	0.016668	0.287588
	0.286664	2.410464	0.016994	0.289338
	0.121045	2.412727	0.016892	0.288666
	0.33611	2.415452	0.01677	0.288062
SIGLEC17P	-0.22023	-2.40621	0.017186	0.290271
	-0.3204	-2.41643	0.016727	0.287914
CLCC1;WDR47	0.276671	2.417232	0.016691	0.287745
	0.338113	2.418373	0.016641	0.287477
	-0.24484	-2.41552	0.016767	0.288044
C20orf166-AS1	-0.41802	-2.41608	0.016742	0.288007
	0.2075	2.410597	0.016988	0.289305
	0.472417	2.417856	0.016664	0.287581
	-0.22187	-2.41873	0.016625	0.287464
BOC;SIDT1;ZDHHC23;CD200R1;CD200;ENSG00000272761	0.264308	2.416926	0.016705	0.287792

FANCC	-0.34369	-2.41419	0.016827	0.288409
	0.177424	2.41707	0.016699	0.28779
	-0.22863	-2.41552	0.016767	0.288044
	0.222458	2.412377	0.016908	0.2888
	-0.24094	-2.41288	0.016885	0.288657
	-0.29712	-2.41848	0.016636	0.287473
MUC13;KALRN	0.221228	2.41284	0.016887	0.288657
	0.300185	2.415526	0.016767	0.288044
	0.223902	2.416794	0.016711	0.287821
	0.314193	2.4149	0.016795	0.288296
ARHGEF28;ZNF366	0.302753	2.414746	0.016802	0.288296
	0.298474	2.415858	0.016752	0.288029
	0.420072	2.415931	0.016749	0.288028
CDK5R1;RHBDL3;RAB11FIP4	0.303513	2.418483	0.016636	0.287473
CCSAP	0.156306	2.416338	0.016731	0.287917
TSTA3	-0.24042	-2.4083	0.017091	0.289695
RGS19	0.191095	2.412901	0.016884	0.288657
	0.156814	2.415648	0.016762	0.288044
	0.23369	2.41117	0.016962	0.289173
	0.338793	2.415668	0.016761	0.288044
	0.224147	2.416722	0.016714	0.287821
	0.310305	2.414237	0.016825	0.288409
	0.232614	2.41583	0.016754	0.288038
	-0.23321	-2.41724	0.016691	0.287745
	-0.32508	-2.41197	0.016926	0.288861
	0.174338	2.41569	0.01676	0.288044
LY6D;FAM83H-AS1;BAI1;FAM83H;GPIHBP1;PSCA;LYPD2	-0.21528	-2.41776	0.016668	0.287588
	-0.41405	-2.41277	0.01689	0.288661
	-0.15451	-2.41256	0.0169	0.288761
COA3;TMEM106A;BECN1;VPS25;ARL4D	0.227376	2.413156	0.016873	0.288593
	-0.32888	-2.41129	0.016957	0.289173
INSR	-0.21469	-2.41395	0.016837	0.288433
	-0.30478	-2.40606	0.017193	0.290293
	-0.33955	-2.41632	0.016732	0.287923
	0.237304	2.411897	0.016929	0.288897
	-0.29758	-2.4171	0.016697	0.287784
	-0.13253	-2.41675	0.016713	0.287821
	0.200952	2.417412	0.016683	0.287665
	-0.33025	-2.41693	0.016705	0.287792
	-0.24175	-2.41399	0.016836	0.288428
	0.177599	2.41418	0.016827	0.288409
ENSG00000230815	0.276647	2.41476	0.016801	0.288296
	0.281993	2.414009	0.016835	0.288428
	-0.20953	-2.41093	0.016972	0.289173
	0.246436	2.415552	0.016766	0.288044
	0.192013	2.411259	0.016958	0.289173
VAMP8;ATOH8;KCMF1;MRPL35;TCF7L1	-0.41265	-2.41309	0.016876	0.288593

METTL24	0.235045	2.414686	0.016804	0.288303
	0.258663	2.41481	0.016799	0.288296
SELENBP1;THEM4;CGN;HRNR;SEMA6C	0.21515	2.41475	0.016802	0.288296
	0.266102	2.414777	0.0168	0.288296
	-0.30618	-2.41247	0.016904	0.288792
RCN3;FCGRT;TEAD2;CARD8;CPT1C;HRC;PLA2G4C;PPFIA3;HSD1				
7B14;EMP3;NTF4;CA11;ENSG00000268001	0.495503	2.417016	0.016701	0.287792
EXOC3L4;TNFAIP2;MOK;ENSG00000260285	0.565849	2.418483	0.016636	0.287473
RASAL3;DNAJB1;TECR	-0.3165	-2.41538	0.016774	0.288081
RAET1E;ENSG00000268592;PPP1R14C;LRP11	-0.18751	-2.41343	0.016861	0.288542
	0.290617	2.413798	0.016844	0.288453
	-0.18192	-2.41441	0.016817	0.288369
STPG1;RCAN3;ID3;IL22RA1;KDM1A;CLIC4;LYPLA2	-0.4372	-2.41512	0.016785	0.288214
	-0.23011	-2.41114	0.016963	0.289173
	0.216277	2.410806	0.016978	0.289192
	-0.19291	-2.41396	0.016837	0.288433
	0.300271	2.417931	0.01666	0.287581
	0.197156	2.414222	0.016825	0.288409
CBFA2T3;PIEZO1;SPIRE2;ENSG00000261226;RNF166;SPATA33;				
GAS8;ENSG00000260259;ENSG00000224888;ANKRD11	-0.23261	-2.41376	0.016846	0.288453
	0.273874	2.413637	0.016851	0.288501
	-0.21671	-2.41546	0.01677	0.288062
	0.1156	2.412411	0.016906	0.288792
	-0.20438	-2.41562	0.016763	0.288044
	-0.35078	-2.41378	0.016845	0.288453
MARVELD1;HPSE2	-0.31439	-2.41217	0.016917	0.288841
	0.205396	2.414593	0.016809	0.288326
SEMA4F;TACR1;MTHFD2;M1AP;DQX1;HK2	-0.33492	-2.41233	0.01691	0.2888
	-0.27982	-2.41123	0.016959	0.289173
	-0.33421	-2.41251	0.016902	0.288775
ENSG00000272221	0.247753	2.414721	0.016803	0.288296
	-0.24162	-2.41513	0.016785	0.288214
IQCE	-0.28258	-2.40968	0.017029	0.289491
CLUAP1;C16orf59	0.563087	2.411127	0.016964	0.289173
	0.228744	2.409539	0.017035	0.289505
ZNF34;EEF1D;FAM83H-AS1;GPIHBP1	-0.3336	-2.41589	0.016751	0.288028
PPIB	0.259476	2.415452	0.01677	0.288062
C19orf82	-0.18185	-2.41506	0.016788	0.288236
SKI;TPRG1L	0.21698	2.407888	0.01711	0.289823
ELF3	-0.21015	-2.41305	0.016877	0.288611
LLPH	0.225082	2.409848	0.017021	0.289463
	-0.27641	-2.41378	0.016845	0.288453
CARD8;SEPW1;CYTH2;ENSG00000268001	0.835274	2.417751	0.016668	0.287588
	0.342008	2.412744	0.016891	0.288664
	0.255347	2.412103	0.01692	0.288855
	0.199634	2.410677	0.016984	0.289255

RPL7AP6	0.153578	2.414182	0.016827	0.288409
SRD5A1;NSUN2	-0.23501	-2.41195	0.016927	0.288871
TIE1;PTPRF;LEPRE1;TMEM125;ST3GAL3;CCDC24;EBNA1BP2;SLC6A9;ERI3;C1orf210;SLC2A1	-0.29733	-2.41233	0.01691	0.2888
	-0.1617	-2.41095	0.016972	0.289173
	-0.29765	-2.41326	0.016868	0.288555
SUSD1;PTBP3;ZNF483	-0.21173	-2.41335	0.016864	0.288548
	0.344374	2.414881	0.016796	0.288296
	0.20529	2.415734	0.016758	0.288044
	0.101222	2.408371	0.017088	0.289695
	0.291298	2.413492	0.016858	0.288542
	0.233181	2.416479	0.016725	0.287914
SPOCK2	0.313876	2.416288	0.016733	0.287932
	-0.13928	-2.41373	0.016847	0.288453
NUAK2	0.407948	2.410679	0.016984	0.289255
	-0.20449	-2.41527	0.016778	0.288142
GRID1;SNCG;LDB3	-0.32603	-2.41567	0.016761	0.288044
ZNF627;ZNF440;AP1M2;ICAM1;ZNF20;KANK2	0.475591	2.412436	0.016905	0.288792
KRT8P12	0.220855	2.413637	0.016851	0.288501
FOXJ2;SLC2A3;ENSG00000256937;NECAP1;CLEC2D;CLEC4A;M6PR;ENSG00000257027;ENSG00000213443	-0.3848	-2.41571	0.016759	0.288044
	0.244727	2.414371	0.016819	0.288379
	0.365351	2.41412	0.01683	0.288428
	0.229856	2.413334	0.016865	0.288548
HSD11B1L;ENSG00000267299;PTPRS;RFX2;ENSG00000267262	-0.2196	-2.41056	0.016989	0.289324
	-0.27107	-2.41325	0.016868	0.288555
	-0.18119	-2.41028	0.017002	0.289378
PIH1D1;NAPSB;MYH14;PRRG2;HRC	-0.28329	-2.41449	0.016813	0.288369
TTC34;CEP104	0.172793	2.41641	0.016728	0.287914
SKI;CEP104;LINC01134;ENSG00000272235	-0.41912	-2.41601	0.016746	0.288028
	0.23987	2.411592	0.016943	0.289071
ENSG00000264198;PLXDC1;ERBB2;IKZF3	-0.31154	-2.41468	0.016805	0.288303
	0.238714	2.413996	0.016835	0.288428
DNAAF1;C16orf74	-0.38216	-2.40913	0.017054	0.289576
RPSA	-0.21019	-2.41299	0.01688	0.288637
	-0.15762	-2.41446	0.016815	0.288369
ACSL6	-0.3268	-2.41609	0.016742	0.288007
	0.270258	2.414964	0.016792	0.288295
	-0.17687	-2.41232	0.01691	0.2888
	0.283683	2.413448	0.01686	0.288542
	0.345373	2.415193	0.016782	0.28819
COL5A3;UBL5;AP1M2;PDE4A;OLFM2;ICAM5	0.242767	2.41427	0.016823	0.288409
	0.296714	2.412762	0.01689	0.288661
COL4A2	-0.38102	-2.4154	0.016773	0.288075
	-0.37147	-2.41603	0.016745	0.288027
	0.33487	2.415816	0.016754	0.288038

MRPS15	-0.29654	-2.41031	0.017001	0.289378
	-0.25958	-2.41042	0.016995	0.289345
OTUD4	-0.31304	-2.4131	0.016875	0.288593
	0.297198	2.413309	0.016866	0.28855
FSTL3;PALM;PPAP2C	0.28303	2.411345	0.016954	0.28917
	0.188915	2.41314	0.016874	0.288593
	-0.49536	-2.40912	0.017054	0.289576
	0.220984	2.411119	0.016964	0.289173
	0.218552	2.412282	0.016912	0.2888
PAIP2B;DYSF	-0.26671	-2.40721	0.017141	0.289981
	-0.26581	-2.40914	0.017054	0.289576
	0.239426	2.414064	0.016832	0.288428
	-0.18188	-2.41445	0.016815	0.288369
	0.151363	2.413355	0.016864	0.288548
	0.202299	2.413811	0.016844	0.288453
	0.173432	2.414026	0.016834	0.288428
	-0.20784	-2.41021	0.017005	0.289397
	0.163761	2.414021	0.016834	0.288428
	-0.23992	-2.41494	0.016793	0.288296
E2F7	-0.3515	-2.411	0.016969	0.289173
	0.209754	2.408425	0.017086	0.289695
TOB1;LRRC59 ADCY10P1	0.147389	2.414859	0.016797	0.288296
	-0.34782	-2.40651	0.017172	0.290185
	0.232613	2.41563	0.016762	0.288044
	0.131139	2.413775	0.016845	0.288453
	-0.30099	-2.41045	0.016994	0.289338
RPL32P1	-0.17324	-2.41011	0.01701	0.289397
	0.215013	2.41228	0.016912	0.2888
	0.332396	2.412181	0.016916	0.288841
	0.205536	2.409026	0.017058	0.289588
ITGA9;CTDSPL;XYLB;ENSG00000235257;PLCD1;MLH1;SCN5A;N DUFAF4P3;DLEC1	-0.22416	-2.41203	0.016923	0.288859
	-0.26527	-2.41208	0.016921	0.288855
	-0.335	-2.41373	0.016847	0.288453
JAK3;NR2F6;FAM129C	-0.30321	-2.4083	0.017091	0.289695
	-0.20584	-2.41408	0.016831	0.288428
	-0.19871	-2.41163	0.016941	0.289056
ECSCR;DNAJC18;ZMAT2;IK;CYSTM1 MYO10	-0.25683	-2.41457	0.01681	0.288332
	0.47774	2.416359	0.01673	0.287914
	0.212505	2.413937	0.016838	0.288433
	0.186559	2.408142	0.017098	0.289736
	0.364617	2.412844	0.016887	0.288657
	0.330841	2.411449	0.016949	0.289125
	0.270528	2.4115	0.016947	0.289108
HN1L;TMEM204;PDPK1;ENSG00000205890;HCFC1R1;CCDC64 B	-0.22142	-2.40923	0.017049	0.289573
	-0.33031	-2.40836	0.017089	0.289695
TM4SF18;AGTR1;CP				

HIC1;INPP5K;SCARF1	0.222345	2.409203	0.01705	0.289576
	-0.18657	-2.41344	0.01686	0.288542
	0.180286	2.413241	0.016869	0.288555
	-0.24612	-2.41412	0.01683	0.288428
	0.271751	2.409087	0.017056	0.28958
ARID5A;TMEM131;CNNM4;FAM178B;CIAO1	0.174806	2.412069	0.016922	0.288855
	-0.36824	-2.4102	0.017006	0.289397
	0.236454	2.409853	0.017021	0.289463
	-0.35309	-2.41375	0.016846	0.288453
	-0.31656	-2.40886	0.017066	0.289624
TBC1D22B;PI16	0.204815	2.412856	0.016886	0.288657
MLH3;LTBP2;PGF	0.337651	2.412319	0.01691	0.2888
MUC15;CCDC34;ENSG00000224411;METTL15;ANO3	-0.29448	-2.40702	0.017149	0.290044
	0.274926	2.412597	0.016898	0.288742
	0.322798	2.414395	0.016817	0.288372
	0.37949	2.414805	0.016799	0.288296
	0.152039	2.410276	0.017002	0.289378
BBS9;KBTBD2	-0.17109	-2.41283	0.016887	0.288657
	-0.40908	-2.40962	0.017032	0.289505
	-0.31946	-2.41485	0.016797	0.288296
	-0.27065	-2.4122	0.016915	0.288837
	-0.19884	-2.4126	0.016898	0.288742
TSPAN32;ENSG00000255367	0.350378	2.412764	0.01689	0.288661
	0.204229	2.411387	0.016952	0.289149
	0.292325	2.412087	0.016921	0.288855
	-0.32962	-2.41383	0.016843	0.288453
	0.289749	2.410099	0.01701	0.289397
ENSG00000262118;IL32;MMP25	-0.3295	-2.41492	0.016794	0.288296
	0.256253	2.409856	0.017021	0.289463
	0.229684	2.413533	0.016856	0.288542
	0.326947	2.409663	0.01703	0.289491
	-0.28597	-2.41176	0.016935	0.288987
SLC2A12;TCF21	-0.26302	-2.41111	0.016965	0.289173
	-0.28113	-2.41349	0.016858	0.288542
MYO1C;SCARF1;ENSG00000262003;HIC1;NXN;YWHAE;PITPNA; INPP5K;C17orf97;SLC43A2;ENSG00000228133;FAM101B;SMG 6	0.524083	2.40755	0.017125	0.289878
	0.18167	2.411988	0.016925	0.288861
	-0.22997	-2.41297	0.016881	0.288643
	-0.33413	-2.40949	0.017038	0.289505
	0.346244	2.413028	0.016879	0.28862
RPP25	0.261565	2.411098	0.016965	0.289173
	0.245688	2.408485	0.017083	0.289695
SERPINB6;SLC22A23	-0.21317	-2.40935	0.017044	0.289559
	-0.21306	-2.41091	0.016974	0.289176
	-0.28344	-2.40951	0.017037	0.289505
SMYD2;BATF3;FLVCR1;TATDN3	0.348702	2.412202	0.016916	0.288837



	-0.37262	-2.41335	0.016864	0.288548
	0.248692	2.41444	0.016815	0.288369
	0.333172	2.406593	0.017169	0.290166
	0.380554	2.414611	0.016808	0.288326
	-0.38551	-2.4134	0.016862	0.288548
SUCLG2	0.399285	2.409958	0.017016	0.28946
PTPN23;LARS2	-0.26749	-2.41148	0.016948	0.289113
KRT80;ACVR1B	-0.27929	-2.41096	0.016971	0.289173
	0.296834	2.409493	0.017037	0.289505
	0.201312	2.410086	0.017011	0.289397
	-0.16126	-2.41005	0.017012	0.28941
	0.34497	2.413333	0.016865	0.288548
	-0.29774	-2.4066	0.017168	0.290166
	0.224706	2.412018	0.016924	0.288859
	-0.18992	-2.40574	0.017208	0.2904
	-0.36536	-2.41163	0.016941	0.289056
LAMC2;RNASEL;LAMC1;COLGALT2	-0.33535	-2.40843	0.017085	0.289695
CFB	-0.25284	-2.40765	0.017121	0.289878
NKD2;PDCD6;AHRR;TRIP13	0.326348	2.400899	0.017429	0.29148
PREX1;PTGIS;B4GALT5	-0.33342	-2.40954	0.017035	0.289505
	0.165537	2.412786	0.016889	0.288661
	0.271048	2.409804	0.017023	0.289463
	-0.2836	-2.41228	0.016912	0.2888
	-0.21119	-2.41208	0.016921	0.288855
	0.257716	2.409514	0.017036	0.289505
	0.185103	2.410477	0.016993	0.289338
	-0.14644	-2.4111	0.016965	0.289173
C6orf62;PPIAP29	-0.40054	-2.40934	0.017044	0.289559
	-0.22166	-2.41121	0.01696	0.289173
TTC8	-0.28622	-2.40972	0.017027	0.289491
	0.202614	2.411172	0.016962	0.289173
CHSY1	0.258741	2.409906	0.017019	0.289463
	-0.18107	-2.40969	0.017028	0.289491
	-0.37498	-2.40743	0.017131	0.289905
ENSG00000262222;SOCS1	0.430339	2.410108	0.01701	0.289397
	0.244457	2.410337	0.016999	0.289378
	0.252485	2.410009	0.017014	0.289433
DBP	0.181916	2.409132	0.017054	0.289576
	-0.89659	-2.41374	0.016846	0.288453
	0.228237	2.40858	0.017079	0.289695
	-0.25086	-2.4096	0.017032	0.289505
	0.279426	2.408998	0.01706	0.289597
	-0.26669	-2.41127	0.016957	0.289173
	-0.41197	-2.41158	0.016943	0.289071
	0.279224	2.408748	0.017071	0.289663
	0.238271	2.412836	0.016887	0.288657
CD34;PFKFB2;PIGR;CD46	-0.34467	-2.40849	0.017083	0.289695

CAPN5;LRRC32	0.269792	2.414307	0.016821	0.288398
	0.272616	2.408595	0.017078	0.289695
	0.212029	2.406567	0.01717	0.290166
	0.320478	2.411167	0.016962	0.289173
FGF2;SPRY1;SPATA5;BBS12 C6orf10;TCF19;TNXB;VWA7	0.206606	2.405572	0.017215	0.290437
	-0.39023	-2.40727	0.017138	0.289967
	0.262284	2.400921	0.017428	0.29148
	-0.29318	-2.40947	0.017038	0.289505
	-0.30693	-2.41096	0.016971	0.289173
	-0.16528	-2.40927	0.017047	0.289573
	0.359228	2.404816	0.01725	0.290609
	-0.18306	-2.4101	0.01701	0.289397
	-0.26359	-2.40852	0.017081	0.289695
	-0.26332	-2.40471	0.017254	0.290648
	0.251816	2.407707	0.017118	0.289875
	0.218103	2.410135	0.017008	0.289397
	-0.33094	-2.40675	0.017162	0.290152
	-0.21272	-2.40797	0.017106	0.289823
	-0.4184	-2.4131	0.016875	0.288593
NUGGC	-0.31188	-2.40624	0.017185	0.290271
	0.250135	2.412425	0.016906	0.288792
RPS21	0.170039	2.407568	0.017124	0.289878
SNHG3	0.24438	2.405152	0.017234	0.290517
TMSB4XP1;TMEM125	0.262138	2.410117	0.017009	0.289397
	-0.3717	-2.4096	0.017033	0.289505
CYBA;SLC7A5	-0.2834	-2.41166	0.01694	0.289056
	-0.31823	-2.4108	0.016978	0.289192
	-0.19569	-2.40481	0.01725	0.290609
	0.233129	2.40912	0.017054	0.289576
ARL15	-0.24959	-2.41099	0.01697	0.289173
GGCT;ZNR2	-0.29985	-2.41201	0.016924	0.288859
	-0.23931	-2.40722	0.01714	0.289981
PKN3;TOR1B;SET;TBC1D13	0.238209	2.410683	0.016984	0.289255
	-0.29334	-2.41085	0.016976	0.289177
	0.262824	2.411026	0.016968	0.289173
RPL5;ENSG00000225505	0.261147	2.407891	0.01711	0.289823
P2RX7	-0.15372	-2.41245	0.016904	0.288792
GALNS;SPIRE2;ENSG00000260259	-0.31036	-2.41107	0.016966	0.289173
	0.254922	2.408367	0.017088	0.289695
	0.279717	2.409225	0.017049	0.289573
	-0.19445	-2.41101	0.016969	0.289173
	0.217444	2.409878	0.01702	0.289463
IRF8	-0.25395	-2.41154	0.016945	0.289089
PRR15;CHN2;ENSG00000223813;TAX1BP1	0.294955	2.399148	0.01751	0.29194
	0.255016	2.408165	0.017097	0.289736
	0.202595	2.411056	0.016967	0.289173

GSTA1;GCLC;GSTA2;ELOVL5;ENSG00000231683;GSTA7P;GSTA3	-0.29901	-2.40734	0.017135	0.289938
HLA-F;TRIM27;HLA-A	0.216704	2.407036	0.017149	0.290044
	-0.25762	-2.40613	0.01719	0.290271
RAB34;ENSG00000265713	-0.18718	-2.40111	0.017419	0.291423
PCDH1	0.248532	2.408424	0.017086	0.289695
	-0.19986	-2.40496	0.017243	0.290602
	-0.26204	-2.4089	0.017064	0.289624
MT1E;COQ9;MT2A;CIAPIN1;FAM192A	0.279434	2.409172	0.017052	0.289576
	-0.27295	-2.40565	0.017212	0.290423
BAIAP2;CBX2;EIF4A3;SGSH;SLC26A11	-0.40601	-2.40718	0.017142	0.289981
	0.30189	2.409334	0.017045	0.289559
	0.245887	2.408242	0.017094	0.289717
	0.27776	2.407282	0.017137	0.289967
	-0.24435	-2.41045	0.016994	0.289338
	0.191837	2.408572	0.017079	0.289695
	0.230263	2.407865	0.017111	0.289823
	0.122899	2.409837	0.017022	0.289463
INPP5D;MSL3P1;DGKD	-0.30836	-2.40846	0.017084	0.289695
CCDC30;WDR65;FAM183A;CCDC24	-0.42504	-2.40978	0.017025	0.289463
	0.198965	2.404888	0.017246	0.290609
ENSG00000224570	0.354497	2.411404	0.016951	0.289148
DENND2A;BRAF;PARP12;SLC37A3;TBXAS1;MRPS33	-0.20067	-2.41046	0.016994	0.289338
	-0.24291	-2.41014	0.017008	0.289397
	0.19931	2.407405	0.017132	0.289912
	0.233997	2.404619	0.017259	0.290649
CDC42BPB	-0.25028	-2.40569	0.01721	0.290402
	0.294278	2.409668	0.017029	0.289491
	0.209615	2.407693	0.017119	0.289875
	0.238659	2.405338	0.017226	0.290455
	-0.18757	-2.41018	0.017006	0.289397
PIGP	0.293214	2.407488	0.017128	0.289878
	0.199925	2.401053	0.017422	0.291423
HLA-DOA;HLA-DRB5;TAP1;HLA-DRB1	0.216397	2.410936	0.016972	0.289173
LAMTOR2;HAX1;C1orf43;UBE2Q1;DAP3;SLC50A1;GBAP1;ARHG				
EF2;TDRD10;SHE	-0.21136	-2.41086	0.016976	0.289177
ARL10;SIMC1	-0.29837	-2.41029	0.017001	0.289378
PIK3C2B;MDM4;PLEKHA6;CNTN2;NFASC;SLC26A9	-0.31519	-2.40712	0.017145	0.290007
	-0.17209	-2.40752	0.017126	0.289878
	0.214065	2.409801	0.017023	0.289463
	0.219948	2.410879	0.016975	0.289177
	0.129629	2.409774	0.017025	0.289463
	-0.24046	-2.41033	0.017	0.289378
RBMS3	0.301522	2.404601	0.017259	0.290649
MFGE8;ACAN	0.253958	2.40843	0.017085	0.289695
MUC5B;EFCAB4A;IFITM1	-0.23625	-2.4036	0.017305	0.290724
RPL5P24	-0.25197	-2.40882	0.017068	0.289644

ENSG00000263050 PRPSAP1	0.204529	2.409269	0.017047	0.289573
	-0.2507	-2.41101	0.016969	0.289173
	0.285006	2.407751	0.017116	0.289875
	-0.22565	-2.40704	0.017148	0.290044
	0.197801	2.407967	0.017106	0.289823
	-0.25111	-2.40875	0.017071	0.289663
	-0.30314	-2.40375	0.017298	0.290724
	-0.19493	-2.4089	0.017064	0.289624
	0.143593	2.403117	0.017327	0.290839
	0.321132	2.410934	0.016972	0.289173
ZNF627;ZNF20;AP1M2;ICAM1;ZNF440	-0.39848	-2.40981	0.017023	0.289463
TSPAN4;PKP3	-0.26545	-2.40923	0.017049	0.289573
PDGFB;GRAP2;SUN2;CBX7;FAM83F	-0.31276	-2.40908	0.017056	0.28958
CLDN5;MRPL40;ZDHHC8	-0.27114	-2.40316	0.017325	0.290838
AGO3;GJB4;GJB5	-0.29879	-2.4062	0.017187	0.290271
IL7R	0.344288	2.409824	0.017022	0.289463
	-0.33486	-2.40943	0.01704	0.289516
	-0.52227	-2.40486	0.017248	0.290609
ZBTB47	0.119	2.40418	0.017279	0.290655
JKAMP;DHRS7;PCNXL4;DACT1;CCDC175	0.436145	2.4109	0.016974	0.289176
	-0.41519	-2.40774	0.017117	0.289875
	-0.27326	-2.40926	0.017048	0.289573
	-0.24975	-2.40538	0.017224	0.290455
	0.239224	2.408865	0.017066	0.289624
ENSG00000235096	0.232117	2.401841	0.017386	0.291346
	-0.27652	-2.40905	0.017057	0.28958
	-0.30683	-2.40851	0.017082	0.289695
TXNDC17;NUP88;C1QBP	0.278554	2.408421	0.017086	0.289695
SUPT7L	0.26432	2.407705	0.017118	0.289875
PPP1R7;ANKMY1	0.245917	2.410487	0.016993	0.289338
	-0.20248	-2.40576	0.017206	0.2904
	-0.30208	-2.40946	0.017039	0.289505
	0.296225	2.408561	0.017079	0.289695
	0.284284	2.407191	0.017141	0.289981
	0.249821	2.407563	0.017125	0.289878
	-0.22107	-2.4087	0.017073	0.28969
	-0.25987	-2.40426	0.017275	0.290655
	0.230116	2.408878	0.017065	0.289624
	0.270228	2.409576	0.017034	0.289505
HCP5;HLA-DOA;TAP1;HLA-DPA1;PSMB9;HLA-DMA;HLA-DMB;TAP2;TAPSAR1;HLA-DPB1;HLA-DRA;HLA-B	0.258774	2.408865	0.017066	0.289624
CLUAP1;HN1L;IFT140;ENSG00000263011;ENSG00000272079;PDPK1;HAGH;RNPS1;CLDN9;NLRC3;ZNF598;HCFC1R1;HS3ST6;ERVK13-1;ENSG00000262370;ENSG00000262312	-0.25564	-2.40071	0.017438	0.291549
	-0.23969	-2.40387	0.017293	0.290713
	0.182427	2.409051	0.017057	0.28958

RASGRP2;NRXN2;SIPA1;MAP4K2;PYGM;LTBP3;MAP3K11;TM7S F2;CCDC88B;PRDX5;EHBP1L1;SLC25A45;FERMT3;PPP2R5B;EHD 1;STIP1;RNASEH2C;VEGFB;DNAJC4;NAALADL1 MRGPRF;ALDH3B1;UNC93B1;PITPNM1;ENSG00000261625;EN SG00000256508;FAM86C2P;AIP;CDK2AP2;ENSG00000255306; GSTP1;TPCN2	-0.30365	-2.40386	0.017293	0.290713
	-0.29758	-2.40222	0.017368	0.291185
	0.216844	2.406203	0.017186	0.290271
PSMB8;SLC44A4;PPT2-EGFL8;TNXB;C6orf10	0.184817	2.408552	0.01708	0.289695
	-0.31737	-2.41032	0.017	0.289378
	-0.2837	-2.40836	0.017089	0.289695
	0.113514	2.402125	0.017373	0.291209
	-0.23917	-2.40818	0.017097	0.289736
	-0.24588	-2.40825	0.017093	0.289717
	0.198026	2.4058	0.017205	0.290398
	0.277059	2.408126	0.017099	0.289738
	-0.17318	-2.40876	0.017071	0.289663
PIPSL	-0.36084	-2.40576	0.017206	0.2904
	-0.32344	-2.40563	0.017213	0.290427
CASC10	0.242967	2.407753	0.017116	0.289875
	-0.26692	-2.40533	0.017226	0.290455
	-0.27182	-2.40834	0.017089	0.289695
	0.281231	2.407629	0.017122	0.289878
	-0.28649	-2.40516	0.017234	0.290517
	0.324265	2.407879	0.01711	0.289823
	0.246637	2.40493	0.017244	0.290608
	-0.34243	-2.40632	0.017181	0.290268
PPP1R18;TNXB;SLC44A4;HCP5;DDR1;NOTCH4;C6orf10;NELFE;C LIC1;DHX16;HSPA1A;HSPA1B;VAR2;BAG6;CCHCR1 ABI3BP;FILIP1L AEBP1;BLVRA;HECW1 ERBB3;ENSG00000224713 BCYRN1	-0.26627	-2.40649	0.017173	0.290189
	-0.2767	-2.40749	0.017128	0.289878
	0.340376	2.406748	0.017162	0.290152
	0.203518	2.406361	0.017179	0.290266
	-0.28302	-2.40683	0.017158	0.290146
	-0.21958	-2.4041	0.017282	0.290655
AIM2;ENSG00000225670;DARC;PYHIN1;LY9;FCRL6;ENSG00000 213080;SLAMF1;SLAMF6;CADM3	-0.34783	-2.40348	0.017311	0.290776
	-0.21439	-2.40424	0.017276	0.290655
	0.33332	2.406715	0.017163	0.290154
CGNL1;MYO1E	-0.38141	-2.40239	0.017361	0.291112
	0.232627	2.402422	0.017359	0.291106
SYT11;ATP8B2;ENSG00000232093	-0.22668	-2.40295	0.017335	0.290869
	0.235581	2.407494	0.017128	0.289878
	-0.21311	-2.40215	0.017371	0.291203
	0.313758	2.406763	0.017161	0.290152
	0.347717	2.405213	0.017231	0.290508
	0.213059	2.405541	0.017216	0.290446

DEPDC1B	-0.44434	-2.40697	0.017151	0.290059
	-0.30104	-2.40331	0.017318	0.290812
	-0.29468	-2.40822	0.017095	0.289723
ARL9	0.352345	2.408889	0.017065	0.289624
	0.274132	2.408316	0.017091	0.289695
	0.199703	2.403183	0.017324	0.29083
PPP1R18;HCP5;LTB;GPSM3;HSPA1B;CLIC1;DDR1;HSPA1A;C6orf10;VAR52;SLC44A4;NOTCH4	0.306402	2.405453	0.01722	0.290447
	0.231769	2.406422	0.017176	0.29023
	-0.22945	-2.40415	0.01728	0.290655
	-0.27945	-2.40661	0.017168	0.290166
	0.234337	2.404064	0.017284	0.290655
HMBOX1;NUGGC	-0.2953	-2.40226	0.017366	0.291181
	0.256371	2.407479	0.017128	0.289878
	0.245687	2.405333	0.017226	0.290455
	-0.33259	-2.40333	0.017317	0.290812
ITGB7;ACVR1B;ACVRL1	0.178103	2.405358	0.017225	0.290455
	-0.26113	-2.40158	0.017398	0.291373
TSPAN4;DEAF1;IFITM3;LRRC56;MUC5AC;IFITM1;PHRF1;B4GALNT4;MOB2;MRPL23	-0.37493	-2.40657	0.01717	0.290166
	-0.1538	-2.40716	0.017143	0.289984
SYCP2L;MAK;NEDD9;C6orf52;TMEM14B	0.343071	2.399799	0.01748	0.291886
	0.283384	2.404789	0.017251	0.290609
LYPD3	-0.17487	-2.40592	0.017199	0.290353
	-0.14771	-2.40662	0.017168	0.290166
HSPH1;MEDAG	0.420799	2.403049	0.01733	0.290841
	0.127448	2.407581	0.017124	0.289878
	0.161523	2.408569	0.017079	0.289695
	-0.15488	-2.40631	0.017181	0.290268
LOH12CR1 S100P;EVC;EVC2;ENSG00000246526;BLOC1S4	0.368588	2.407363	0.017134	0.289933
	0.294676	2.408506	0.017082	0.289695
	-0.3075	-2.40296	0.017335	0.290869
	-0.18968	-2.40453	0.017262	0.290649
	0.253833	2.403816	0.017295	0.290724
DNAH10;TCTN2	-0.2919	-2.40581	0.017204	0.290398
	0.20399	2.406115	0.01719	0.290271
	-0.38951	-2.40786	0.017111	0.289823
	0.331772	2.405195	0.017232	0.290508
	0.132131	2.407006	0.01715	0.290046
PSPH;ZNF713;GBAS;SUMF2	-0.18011	-2.40307	0.017329	0.290841
	-0.22946	-2.40264	0.017349	0.290994
	0.206209	2.406262	0.017184	0.290271
SNORA38	-0.20209	-2.40333	0.017317	0.290812
	0.112625	2.403548	0.017307	0.290743
	0.291664	2.403638	0.017303	0.290724
	0.167422	2.40598	0.017197	0.29034
	0.300336	2.404106	0.017282	0.290655

ALDH1A3;ENSG00000259363;TARSL2;ENSG00000259583	-0.38098	-2.40585	0.017202	0.290379
	-0.25884	-2.40673	0.017163	0.290154
	0.243881	2.403073	0.017329	0.290841
	0.113678	2.402328	0.017363	0.291144
DENND5B;FAM60A	0.224745	2.405518	0.017218	0.290446
PLEKHB1;DNAJB13;POLD3;ENSG00000255847;PPME1;PGM2L1				
;C2CD3;UCP2;ENSG00000254837;KCNE3;LIPT2;UCP3	-0.28423	-2.39652	0.017632	0.292694
	0.338402	2.403614	0.017304	0.290724
	0.188978	2.40328	0.01732	0.290812
	0.24107	2.406833	0.017158	0.290146
	0.236497	2.405747	0.017207	0.2904
	-0.20969	-2.40342	0.017313	0.290783
	-0.1759	-2.40612	0.01719	0.290271
	-0.33809	-2.40814	0.017098	0.289736
	-0.2176	-2.40546	0.01722	0.290447
C22orf34;MAPK12;ENSG00000213279;ENSG00000235111;SHA				
NK3;RABL2B;MAPK11	-0.36287	-2.40609	0.017191	0.290275
MAPK12;SHANK3;C22orf34;MAPK11;NCAPH2;DENND6B	-0.26095	-2.40363	0.017304	0.290724
	-0.36304	-2.40749	0.017128	0.289878
	-0.23122	-2.40388	0.017292	0.290713
	0.245922	2.403705	0.0173	0.290724
	0.209331	2.40512	0.017236	0.290519
	0.249104	2.404243	0.017276	0.290655
GIPC3;GNG7;GNA15;NFIC;DAPK3;TBXA2R	-0.28851	-2.40377	0.017297	0.290724
	0.239574	2.399122	0.017511	0.291943
	0.256397	2.407898	0.017109	0.289823
	0.204474	2.405708	0.017209	0.2904
	0.23144	2.404444	0.017266	0.290649
	0.204075	2.404632	0.017258	0.290649
	-0.20714	-2.4075	0.017128	0.289878
	-0.167	-2.40485	0.017248	0.290609
TCF7	-0.18624	-2.40346	0.017311	0.290777
	0.227742	2.404084	0.017283	0.290655
WDR78;DIRAS3	0.215989	2.401476	0.017402	0.291373
WDR18	-0.39378	-2.40326	0.017321	0.290817
GTF3A	-0.17539	-2.40456	0.017261	0.290649
	0.205874	2.407543	0.017126	0.289878
ENSG00000269887	0.237626	2.401263	0.017412	0.291419
	-0.38381	-2.40372	0.017299	0.290724
	-0.15592	-2.40561	0.017213	0.290427
DNAJC16;KAZN;FHAD1;FBLIM1;DDI2	-0.34949	-2.40452	0.017263	0.290649
	0.227796	2.402888	0.017338	0.290897
TSPAN18;ALX4	-0.25864	-2.40368	0.017302	0.290724
SERPINB9;ENSG00000270504	0.389344	2.406516	0.017172	0.290185
	0.219007	2.404779	0.017251	0.290609
	0.344239	2.406273	0.017183	0.290271

CDK20	0.350636	2.403889	0.017292	0.290713	
	0.114201	2.400471	0.017449	0.291615	
	-0.31926	-2.40795	0.017107	0.289823	
	0.319939	2.404453	0.017266	0.290649	
	-0.25193	-2.40448	0.017265	0.290649	
GPIHBP1;TSTA3;LY6D	0.192576	2.403283	0.01732	0.290812	
PTCH1;ENSG00000271314	-0.3783	-2.40215	0.017372	0.291203	
PITPNM2	0.261597	2.404801	0.01725	0.290609	
	0.350185	2.40548	0.017219	0.290447	
	-0.2786	-2.40625	0.017184	0.290271	
	-0.30069	-2.40632	0.017181	0.290268	
	0.224571	2.406123	0.01719	0.290271	
SUMO2P1;GABBR1	-0.16226	-2.40201	0.017378	0.291266	
	-0.39602	-2.40363	0.017304	0.290724	
	0.272983	2.40539	0.017223	0.290455	
	-0.15853	-2.40294	0.017335	0.290871	
	0.184542	2.404458	0.017266	0.290649	
	-0.24514	-2.40678	0.01716	0.290152	
	DEFB1;AGPAT5	-0.27475	-2.40408	0.017283	0.290655
	CERK;RIBC2;CELSR1;WNT7B	-0.38571	-2.39924	0.017505	0.29194
		0.255216	2.406565	0.01717	0.290166
		-0.27873	-2.39917	0.017509	0.29194
-0.20886		-2.40662	0.017167	0.290166	
0.406979		2.406797	0.017159	0.290152	
POFUT2;C21orf58 LRRC18	-0.38961	-2.40175	0.01739	0.291355	
	0.200123	2.403767	0.017297	0.290724	
	-0.28059	-2.40422	0.017277	0.290655	
	-0.26922	-2.40468	0.017256	0.290648	
	0.240065	2.404616	0.017259	0.290649	
	0.125068	2.400053	0.017468	0.291774	
	-0.35993	-2.40557	0.017215	0.290437	
	0.213608	2.401141	0.017418	0.291423	
	-0.18018	-2.4043	0.017273	0.290655	
	0.299395	2.405863	0.017202	0.290379	
TRPM2	0.409306	2.398626	0.017534	0.292136	
	0.343254	2.405087	0.017237	0.290533	
	-0.23098	-2.40445	0.017266	0.290649	
TMEM63B;SLC29A1;POLR1C;MRPL14	0.214142	2.4014	0.017406	0.29139	
DAB1	-0.40891	-2.40547	0.01722	0.290447	
ENSG00000244921	0.210437	2.404126	0.017281	0.290655	
	-0.20638	-2.40417	0.017279	0.290655	
	-0.35981	-2.40723	0.01714	0.289981	
	0.193832	2.403056	0.01733	0.290841	
	KDM1A	-0.33308	-2.40522	0.017231	0.290508
	-0.21007	-2.40192	0.017382	0.29131	
ATOH8;VAMP8;TCF7L1;GGCX;DNAH6;TCF7L1-IT1;KCMF1;LDHAP7	0.265973	2.397366	0.017592	0.292487	



	0.268819	2.405323	0.017226	0.290455
TRAF3IP3	0.261419	2.402758	0.017344	0.29095
CAST	-0.43337	-2.40389	0.017292	0.290713
	-0.21172	-2.40449	0.017264	0.290649
	-0.24886	-2.40489	0.017246	0.290609
	0.307124	2.40595	0.017198	0.290352
PRDM11;SLC35C1;CREB3L1;TSPAN18	-0.28358	-2.40133	0.017409	0.291405
GGT5;FAM211B;ZNF70	-0.2991	-2.40543	0.017221	0.290452
	-0.32725	-2.40615	0.017189	0.290271
MOCOS;ZNF396	-0.5792	-2.40459	0.01726	0.290649
TCF7;TIFAB;H2AFY	-0.20894	-2.40155	0.017399	0.291373
	0.298329	2.403197	0.017324	0.29083
	0.311114	2.401098	0.01742	0.291423
	-0.29361	-2.40418	0.017279	0.290655
	0.282634	2.403613	0.017304	0.290724
ENSG00000225417	-0.3924	-2.40665	0.017166	0.290166
IL10RA;CD3G;C2CD2L;CBL;CD3D;CD3E	0.280262	2.404952	0.017243	0.290602
	0.229566	2.405514	0.017218	0.290446
TEAD2	0.223677	2.406147	0.017189	0.290271
	0.227701	2.402686	0.017347	0.290983
	-0.23918	-2.4011	0.01742	0.291423
	0.197313	2.404186	0.017278	0.290655
	0.224432	2.40108	0.017421	0.291423
H3F3A	0.196162	2.400281	0.017457	0.291681
	0.210648	2.400765	0.017435	0.291537
	0.278807	2.398659	0.017532	0.292122
PPP1R18;DDR1;SLC44A4;DDAH2;CLIC1;LTB;HLA-E	-0.20962	-2.39941	0.017497	0.291924
ALPL	0.156582	2.400829	0.017432	0.291521
	-0.28193	-2.4028	0.017342	0.290942
	0.237245	2.399643	0.017487	0.291924
WDR93;HAPLN3;CIB1;PEX11A;TICRR;KIF7;MFGE8;ENSG00000259561;CRTC3;IDH2	-0.40828	-2.39856	0.017537	0.292163
	-0.42822	-2.40521	0.017232	0.290508
	-0.19156	-2.40429	0.017274	0.290655
TRAF3IP1;HES6;ENSG00000232306;COL6A3	-0.41283	-2.40143	0.017405	0.291378
ENSG00000232692	-0.24379	-2.39745	0.017589	0.292487
	0.182667	2.398097	0.017558	0.29234
	0.261965	2.400182	0.017462	0.291732
TOMM40	-0.18223	-2.40339	0.017314	0.290793
	0.240698	2.403587	0.017306	0.290724
	-0.22397	-2.40592	0.017199	0.290353
ENSG00000214652	-0.28005	-2.40172	0.017391	0.291355
FERMT3;NRXN2;RASGRP2;CCDC88B;STIP1;CDC42BPG;BATF2	-0.23463	-2.40507	0.017238	0.290534
DDX5;CYB561;MRC2;MARCH10	-0.16614	-2.40017	0.017463	0.291732
	0.332289	2.404106	0.017282	0.290655
	0.176471	2.403889	0.017292	0.290713

	-0.30139	-2.40256	0.017353	0.291026
	0.371431	2.403687	0.017301	0.290724
	0.171338	2.405712	0.017209	0.2904
	0.220945	2.404101	0.017282	0.290655
ANKRD42;PRCP;RAB30	0.289222	2.403874	0.017293	0.290713
	0.29707	2.404368	0.01727	0.290655
	-0.27371	-2.40295	0.017335	0.290869
	-0.18845	-2.4033	0.017319	0.290812
PPP1R18	0.263556	2.404791	0.017251	0.290609
TPST1;INTS4L2	-0.17058	-2.40151	0.017401	0.291373
MDM4	0.203659	2.403875	0.017293	0.290713
NMNAT2	0.26307	2.404699	0.017255	0.290648
	0.272935	2.400789	0.017434	0.29153
	0.156021	2.396388	0.017638	0.292727
	0.203779	2.401467	0.017403	0.291373
PDE6B;ENSG00000252150;RNF212	-0.38556	-2.40179	0.017388	0.291346
	-0.32995	-2.4021	0.017374	0.291213
	-0.17991	-2.39981	0.017479	0.291886
	-0.25813	-2.39954	0.017492	0.291924
TACC3	-0.24801	-2.40116	0.017417	0.291423
	0.295099	2.400043	0.017468	0.291774
	-0.24091	-2.40363	0.017304	0.290724
	-0.31494	-2.39727	0.017597	0.29251
	0.272327	2.404406	0.017268	0.290655
	0.283374	2.402238	0.017367	0.291181
C16orf74	-0.35869	-2.40174	0.01739	0.291355
ABI3;SKAP1;GNMT2	-0.29115	-2.40457	0.017261	0.290649
LYL1;ZNF333;IL27RA	-0.2798	-2.40181	0.017387	0.291346
HCP5;TAP2;TAP1;HLA-DOA;HLA-DMA;HLA-B;PSMB9;HLA-DMB;TAPSAR1;MICB;HLA-DRA;HSPA1B;HLA-DPA1;HLA-DPB1;C2;HSPA1A;HLA-C	0.247805	2.403208	0.017323	0.29083
	0.265521	2.400929	0.017428	0.29148
	0.233419	2.401783	0.017388	0.291346
	-0.29875	-2.40442	0.017268	0.290655
	0.23599	2.398292	0.017549	0.292297
	0.325371	2.401607	0.017396	0.291373
	-0.19492	-2.39879	0.017526	0.292042
MCHR1	-0.3227	-2.40149	0.017402	0.291373
	0.296991	2.404193	0.017278	0.290655
NREP;STARD4-AS1	-0.42242	-2.40426	0.017275	0.290655
PCID2	-0.25791	-2.39964	0.017487	0.291924
DSCAML1;TMPRSS4	0.235435	2.404226	0.017276	0.290655
	0.221004	2.400735	0.017437	0.291548
	-0.19298	-2.40311	0.017327	0.290839
	0.227961	2.403211	0.017323	0.29083
	-0.36094	-2.40158	0.017398	0.291373
	0.371193	2.389278	0.017971	0.294486

THBS2;FAM120B;TCTE3	-0.34952	-2.40182	0.017386	0.291346
CYP26B1;PAIP2B;EXOC6B	0.218948	2.403135	0.017326	0.290839
ZNF629;CTF1;ZNF48;CORO1A;ITGAX	-0.26794	-2.39754	0.017584	0.292487
ATHL1	-0.29639	-2.40452	0.017263	0.290649
ENSG00000259087;RALGAPA1	0.237468	2.397598	0.017582	0.292487
CERCAM;DNM1;ENG;COQ4;LCN2;SH2D3C;GARNL3;WDR34;OD	-0.34054	-2.4003	0.017457	0.29168
F2;TBC1D13;DOLPP1	-0.25455	-2.40123	0.017414	0.291423
NRROS;TCTEX1D2;TNK2;SLC51A;CEP19	-0.32405	-2.39972	0.017484	0.291913
	-0.41172	-2.4009	0.017429	0.29148
BIK;TTLL12	0.207953	2.402764	0.017343	0.29095
	-0.21317	-2.39641	0.017637	0.292727
SLC45A1	-0.46397	-2.40264	0.017349	0.290994
	-0.15935	-2.40239	0.01736	0.291112
	-0.36999	-2.40256	0.017353	0.291026
	0.140029	2.40145	0.017404	0.291374
	0.183545	2.401698	0.017392	0.291355
	-0.28458	-2.39994	0.017473	0.291831
KIAA1462	0.249257	2.396329	0.01764	0.292727
SKI;MEGF6;CEP104	-0.25392	-2.39664	0.017626	0.292669
	-0.25781	-2.40273	0.017345	0.290962
ST6GALNAC1;SPHK1;SMIM6;PRPSAP1	-0.3426	-2.40108	0.01742	0.291423
PLXNC1	-0.43511	-2.40352	0.017309	0.290756
WNT7B;CERK;ENSG00000234869	-0.30582	-2.40153	0.0174	0.291373
	0.127222	2.401548	0.017399	0.291373
IL1R2;RNF149;SLC9A4;TMEM182;MFSD9;CNOT11;SLC9A2	-0.35981	-2.40512	0.017236	0.290519
	0.324482	2.399561	0.017491	0.291924
	0.281494	2.399327	0.017501	0.29194
	0.34647	2.401983	0.017379	0.291272
CLASP1	-0.23642	-2.40105	0.017422	0.291423
THBS2;SMOC2;MLLT4;PHF10;DACT2;WDR27	0.418714	2.398326	0.017548	0.292297
TTC23L;SLC45A2	0.214192	2.40128	0.017411	0.291419
	0.155535	2.395514	0.017678	0.29299
	-0.26206	-2.40132	0.01741	0.291405
PIGU;ERGIC3;DYNLRB1	-0.37921	-2.39952	0.017492	0.291924
	0.201049	2.401095	0.01742	0.291423
MAP4K3	-0.39787	-2.39893	0.01752	0.291996
RAB11A;SNAPC5;SMAD6;AAGAB	0.206935	2.399242	0.017505	0.29194
QRSL1P3;RALGAPA1;SRP54	-0.28635	-2.40111	0.017419	0.291423
ZNF663P;SLC13A3;WFDC6;SYS1;SDC4;EPPIN;TOMM34;HSPD1P				
21	0.285881	2.399606	0.017489	0.291924
	-0.23144	-2.39553	0.017678	0.29299
PSMG3;MAD1L1;SUN1;PRKAR1B;IQCE;GPR146;CHST12;HEATR				
2;GPER1	-0.31048	-2.40126	0.017412	0.291419
LINC00426;USPL1	0.209196	2.402068	0.017375	0.29123
SUN1	0.265311	2.401891	0.017383	0.291321

	0.258246	2.403438	0.017312	0.290782
	0.156043	2.400506	0.017447	0.291615
	0.307455	2.401681	0.017393	0.291355
RPS27A;ENSG00000203327	0.338504	2.397488	0.017587	0.292487
	0.266266	2.400355	0.017454	0.291659
ABCA3;SOX8;ENSG00000260807;TBC1D24;HN1L;CCNF;UNKL;C ACNA1H	-0.56881	-2.40006	0.017468	0.291774
	0.183847	2.400593	0.017443	0.291601
PLXND1;COL6A6	-0.35028	-2.39948	0.017495	0.291924
	-0.17865	-2.40167	0.017394	0.291355
	0.215526	2.3983	0.017549	0.292297
	0.290069	2.400412	0.017451	0.291649
	-0.18086	-2.39729	0.017596	0.292507
	0.235259	2.398022	0.017562	0.29234
	-0.27044	-2.40013	0.017465	0.291742
	-0.15598	-2.39977	0.017481	0.291896
	-0.24374	-2.40054	0.017445	0.291615
	-0.24862	-2.40297	0.017334	0.290869
	0.20265	2.394747	0.017714	0.293102
	0.290832	2.39935	0.0175	0.29194
ENSG00000272323	-0.35667	-2.39499	0.017703	0.293102
TRIM25;RAD51C;DYNLL2	0.255773	2.395644	0.017672	0.292959
	-0.34536	-2.39685	0.017616	0.292642
	-0.16725	-2.39569	0.01767	0.292959
	0.264971	2.399004	0.017516	0.291982
	0.186565	2.4005	0.017447	0.291615
	-0.14945	-2.39487	0.017708	0.293102
	0.280245	2.400681	0.017439	0.291556
	-0.29029	-2.39669	0.017624	0.292669
LHFP	0.273099	2.400499	0.017447	0.291615
AIM2;ENSG00000213080;DARC;ENSG00000225670	-0.30722	-2.40362	0.017304	0.290724
PIGR;RASSF5	-0.28671	-2.4007	0.017438	0.291549
	0.245916	2.401366	0.017407	0.291393
	0.263786	2.397707	0.017576	0.292458
	-0.3319	-2.40047	0.017449	0.291615
	0.353231	2.39709	0.017605	0.292605
	0.275832	2.399417	0.017497	0.291924
	-0.22922	-2.40282	0.017341	0.290938
HLA-F	0.263354	2.397785	0.017573	0.292444
NEK5	0.34348	2.401369	0.017407	0.291393
NRCAM;ENSG00000241764	0.266385	2.400309	0.017456	0.29168
	-0.16697	-2.39962	0.017488	0.291924
COL4A2;COL4A1	-0.44443	-2.40115	0.017417	0.291423
	-0.30809	-2.40392	0.017291	0.290713
	0.182266	2.39811	0.017558	0.29234
	-0.27918	-2.39942	0.017497	0.291924
	-0.22053	-2.40039	0.017452	0.291651

ILDR2;DUSP27	0.328148	2.394722	0.017715	0.293102
ZNF496	-0.26955	-2.39756	0.017583	0.292487
	-0.29911	-2.39852	0.017539	0.292181
	0.273284	2.402523	0.017354	0.29104
	-0.22511	-2.39603	0.017654	0.292806
	0.206253	2.400379	0.017453	0.291651
	-0.31567	-2.4017	0.017392	0.291355
	-0.19686	-2.39628	0.017643	0.292727
GPER1	-0.17152	-2.39779	0.017573	0.292444
ENSG00000251637	0.219945	2.395215	0.017692	0.293045
	0.214681	2.39772	0.017576	0.292458
	-0.25439	-2.40054	0.017445	0.291615
	0.28416	2.39985	0.017477	0.291877
	-0.2924	-2.39905	0.017515	0.291961
	0.218923	2.400789	0.017434	0.29153
SORBS1;ENSG00000269948;BLNK	-0.42332	-2.39667	0.017625	0.292669
HLA-DMB;TAP1;HLA-DPB1;HLA-DOA;HLA-DMA;TAPSAR1;HLA-DPA1;HLA-DRA;PSMB9;TAP2;RPL32P1;GPSM3;CFB;PSMB8;HLA-DQA2	0.27085	2.400134	0.017464	0.291742
	0.222417	2.399146	0.01751	0.29194
	-0.34245	-2.39938	0.017499	0.291935
	-0.3508	-2.3989	0.017521	0.291996
	0.165321	2.398029	0.017562	0.29234
ENSG00000196674;HN1L;TMEM204	-0.20556	-2.39916	0.017509	0.29194
	0.17632	2.401046	0.017422	0.291423
	-0.1715	-2.39703	0.017608	0.292606
AOAH	0.347781	2.401527	0.0174	0.291373
IL10RA	-0.24112	-2.40224	0.017368	0.291181
	-0.21489	-2.38993	0.01794	0.29428
STARD13;KL;STARD13-AS	0.514575	2.399297	0.017503	0.29194
	0.285741	2.398058	0.01756	0.29234
AFF3;INPP4A;TXNDC9;KIAA1211L;YWHAQP5	-0.35809	-2.39731	0.017595	0.292503
	0.372199	2.399545	0.017491	0.291924
ST6GALNAC1	-0.24384	-2.39979	0.01748	0.291886
	0.184072	2.394595	0.017721	0.293142
	0.235316	2.395319	0.017688	0.293005
BCYRN1	-0.23832	-2.39806	0.01756	0.29234
	-0.18243	-2.39807	0.01756	0.29234
	0.109946	2.394157	0.017742	0.293278
	0.309796	2.399157	0.017509	0.29194
	-0.32261	-2.40099	0.017425	0.291454
	-0.24108	-2.3993	0.017503	0.29194
	0.1727	2.397735	0.017575	0.292458
PLXDC1;ACACA;ENSG00000239581	-0.24905	-2.39893	0.01752	0.291996
	-0.42109	-2.40157	0.017398	0.291373
GORASP2	-0.19894	-2.39736	0.017592	0.292487

	-0.15438	-2.39501	0.017702	0.293102
	0.378625	2.402627	0.01735	0.290994
	0.260605	2.402148	0.017372	0.291203
	-0.1892	-2.39219	0.017834	0.293677
LSM2	-0.17968	-2.39319	0.017787	0.293472
	0.262025	2.39941	0.017498	0.291924
FOXA3;SNRPD2	0.194055	2.39921	0.017507	0.29194
	0.172405	2.398198	0.017554	0.29233
CBX2;BAIAP2-AS1;RPTOR	0.493649	2.397136	0.017603	0.292592
	-0.23909	-2.39789	0.017568	0.292393
	0.285857	2.395273	0.01769	0.29303
PLA2G4C;CARD8;TEAD2;HRC;CYTH2;FUT2;EHD2;EMP3;RASIP1; HSD17B14;CD37;FAM83E	-0.25459	-2.39674	0.017621	0.292668
	0.261188	2.397476	0.017587	0.292487
	0.27502	2.399172	0.017509	0.29194
RASA3	-0.34021	-2.39803	0.017562	0.29234
	-0.25051	-2.39672	0.017622	0.292668
	-0.189	-2.39623	0.017645	0.292746
PDE3B	0.217992	2.396075	0.017652	0.292802
	0.266599	2.396568	0.017629	0.292675
	-0.23468	-2.39336	0.017779	0.293472
	0.205313	2.396156	0.017649	0.292768
	0.291407	2.392984	0.017797	0.293472
GLIS2;CDIP1;C16orf71;SRL;GLYR1;CREBBP;SEC14L5;SMIM22	-0.33713	-2.39645	0.017635	0.292727
	0.231185	2.396812	0.017618	0.292642
	0.334417	2.397935	0.017566	0.292373
	0.129914	2.392814	0.017805	0.293547
MEGF6;PRDM16	-0.38661	-2.39942	0.017497	0.291924
OARD1;PRICKLE4	0.308627	2.397022	0.017608	0.292606
CXCL14;H2AFY	-0.28467	-2.39905	0.017514	0.291961
COX5A;SCAMP2;C15orf59;NPTN;ISLR;ISLR2	-0.305	-2.39682	0.017617	0.292642
	-0.3476	-2.39588	0.017661	0.292899
	0.31726	2.396319	0.017641	0.292727
	-0.20271	-2.39687	0.017615	0.292642
	0.264548	2.391958	0.017845	0.293734
C14orf93	-0.19382	-2.39751	0.017586	0.292487
	0.2652	2.393571	0.017769	0.293416
	-0.27337	-2.39832	0.017548	0.292297
PRICKLE1	0.311897	2.398101	0.017558	0.29234
	-0.35674	-2.39628	0.017643	0.292727
	0.210062	2.396278	0.017643	0.292727
	0.350142	2.399429	0.017497	0.291924
	-0.22418	-2.39305	0.017794	0.293472
SCAMP4;PCSK4	-0.17395	-2.3944	0.017731	0.293219
	0.297628	2.396373	0.017638	0.292727
	-0.25036	-2.39958	0.01749	0.291924

ENSG00000232386	0.265865	2.396641	0.017626	0.292669
	0.165882	2.398896	0.017521	0.291996
	0.483571	2.399713	0.017484	0.291913
	-0.26286	-2.3957	0.01767	0.292959
	-0.26504	-2.39736	0.017593	0.292487
	-0.42938	-2.39144	0.017869	0.293798
	-0.20371	-2.3894	0.017965	0.294424
	0.21425	2.398682	0.017531	0.292116
	-0.23284	-2.39694	0.017612	0.292637
STXBP1	0.178618	2.399403	0.017498	0.291924
	-0.16195	-2.39738	0.017592	0.292487
NLK	-0.2302	-2.39505	0.0177	0.293088
	0.206569	2.399578	0.01749	0.291924
PPP6R3;CHKA;GSTP1	0.198585	2.397987	0.017564	0.292356
ZNRF2P2;PRR15	0.488781	2.400184	0.017462	0.291732
TTC34	-0.29004	-2.39894	0.017519	0.291996
	0.266257	2.396817	0.017618	0.292642
	-0.24273	-2.39532	0.017687	0.293005
C11orf89;TSPAN4;TSPAN32;C11orf21	-0.35209	-2.3997	0.017484	0.291913
	-0.31126	-2.3992	0.017507	0.29194
	0.199354	2.396053	0.017653	0.292802
LDB2;CC2D2A;ENSG00000251379;C1QTNF7;CD38;PROM1	0.32447	2.397396	0.017591	0.292487
WDR45B;PCYT2;NOTUM;TBCD;STRA13;LINC00482;SLC25A10	-0.24755	-2.39656	0.01763	0.292675
	0.191841	2.391386	0.017872	0.293814
	0.28941	2.400658	0.01744	0.291562
	0.260665	2.397448	0.017588	0.292487
	0.273376	2.39549	0.01768	0.29299
PTPRS;FUT3;HSD11B1L;RFX2	-0.30279	-2.39156	0.017864	0.293787
	0.314203	2.395722	0.017669	0.292959
	-0.17556	-2.39766	0.017578	0.292469
	0.262299	2.398904	0.017521	0.291996
SEPT4;VEZF1;MSI2	-0.22637	-2.39732	0.017594	0.292503
	-0.25698	-2.393	0.017796	0.293472
VDAC3	-0.24901	-2.39534	0.017687	0.293005
VAV1	0.318279	2.398799	0.017526	0.292042
	0.253894	2.397398	0.017591	0.292487
PDCD6;SDHAP3	0.249399	2.399425	0.017497	0.291924
	-0.19683	-2.39559	0.017675	0.292977
	-0.17869	-2.39003	0.017936	0.29428
ENSG00000260682	-0.25429	-2.39797	0.017564	0.292359
LCK	-0.22153	-2.39991	0.017474	0.291839
	0.178557	2.393876	0.017755	0.293278
	-0.18129	-2.39328	0.017783	0.293472
PEAR1;SH2D2A;SYT11;HDGF;MEF2D;LRRC71;NES	0.275083	2.396789	0.017619	0.292643
SMG5	-0.22016	-2.39331	0.017781	0.293472

ELMO1	0.302781	2.39805	0.017561	0.29234
	0.332584	2.396054	0.017653	0.292802
GLYATL2	-0.27265	-2.39606	0.017653	0.292802
	-0.22001	-2.39477	0.017713	0.293102
SMIM5;GPRC5C;SLC16A5;FDXR;UNC13D	0.133865	2.398821	0.017525	0.292042
	-0.2604	-2.39816	0.017556	0.29234
	0.217016	2.399172	0.017509	0.29194
	-0.20752	-2.39535	0.017686	0.293005
	0.267632	2.397004	0.017609	0.292606
	0.152588	2.396349	0.01764	0.292727
PTPRN2;RNF32	0.227079	2.395719	0.017669	0.292959
	-0.35731	-2.39657	0.017629	0.292675
ATXN10;PARVG;LDOC1L;NUP50	-0.24637	-2.39199	0.017843	0.293723
	1.605341	2.394322	0.017734	0.293242
ABCD3;ABCA4;ARHGAP29;GCLM;ENSG00000226026;ENSG00000233129;DNTTIP2	-0.38353	-2.39405	0.017747	0.293278
	-0.34165	-2.3954	0.017684	0.293005
CALM1;TC2N;EFCAB11	0.231671	2.390726	0.017903	0.294101
	0.181395	2.397177	0.017601	0.292571
	-0.23994	-2.39598	0.017657	0.292832
	-0.18876	-2.39387	0.017755	0.293278
	-0.23624	-2.39911	0.017512	0.291943
	0.216755	2.395644	0.017672	0.292959
	-0.25567	-2.39742	0.01759	0.292487
	0.339085	2.390025	0.017936	0.29428
TNFRSF1B;PLOD1;TNFRSF8;MIIP	-0.19146	-2.3963	0.017642	0.292727
	0.208017	2.399954	0.017473	0.291831
TUBB6;SPIRE1;ZNF519;ENSG00000267199	-0.37455	-2.3913	0.017876	0.293871
	-0.26258	-2.39747	0.017587	0.292487
	0.154273	2.397074	0.017606	0.292605
	0.262178	2.395588	0.017675	0.292977
	-0.25136	-2.39861	0.017535	0.292136
GPBP1;RAB3C	0.289414	2.39566	0.017672	0.292959
	-0.17898	-2.39444	0.017728	0.293193
	0.168946	2.39249	0.01782	0.293592
	0.183315	2.391986	0.017844	0.293723
CCDC19;TSTD1;ATP1A2;CADM3;VANGL2;IGSF9;ENSG00000225670;DARC LDB2;FGFBP1	0.309858	2.393865	0.017755	0.293278
	-0.20854	-2.39336	0.017779	0.293472
	-0.35701	-2.39255	0.017817	0.293584
	0.242758	2.393083	0.017792	0.293472
	-0.38165	-2.39507	0.017699	0.293088
	0.24981	2.398257	0.017551	0.292307
	-0.3881	-2.3962	0.017647	0.292747
	0.157659	2.396713	0.017623	0.292668
	0.244514	2.393932	0.017752	0.293278
	-0.19114	-2.39836	0.017546	0.292295
JAK3;FCHO1;SLC27A1				



	0.302916	2.397574	0.017583	0.292487
	-0.35888	-2.39515	0.017695	0.293047
KLF5;PIBF1	-0.37423	-2.39072	0.017903	0.294101
	0.280745	2.39474	0.017715	0.293102
MEIS3	-0.24835	-2.39532	0.017687	0.293005
	-0.23751	-2.39461	0.017721	0.293142
RIMS3;SMAP2;MFSD2A;SCMH1;FOXO6;KCNQ4	-0.36061	-2.39477	0.017713	0.293102
ENSG00000196674	-0.32726	-2.3991	0.017512	0.291943
XPO6;KIAA0556;KDM8	-0.22863	-2.39828	0.01755	0.292297
LGI3	-0.25732	-2.39422	0.017739	0.293278
	0.28424	2.39425	0.017737	0.293275
TNFRSF14	0.317689	2.392916	0.0178	0.293498
	0.117191	2.394111	0.017744	0.293278
	0.173667	2.394921	0.017706	0.293102
TSPAN4;MRPL23;TALDO1;MOB2;IGF2;ATHL1;ENSG000002516				
61;LRRC56;DEAF1;IFITM3;ENSG00000250397;IFITM1;MUC5AC	-0.21793	-2.39455	0.017723	0.293144
	0.218214	2.396604	0.017628	0.292675
	-0.28293	-2.39333	0.01778	0.293472
	0.16754	2.395436	0.017682	0.293005
	0.247174	2.398199	0.017554	0.29233
	-0.32377	-2.39746	0.017588	0.292487
MIR600HG;STRBP;NR6A1	-0.19783	-2.39301	0.017795	0.293472
	-0.31282	-2.39112	0.017884	0.293976
	0.117718	2.393564	0.01777	0.293416
	0.245484	2.39431	0.017735	0.293242
	0.181312	2.395051	0.0177	0.293088
	-0.31178	-2.39693	0.017613	0.292637
	0.279637	2.394154	0.017742	0.293278
	0.238495	2.392355	0.017826	0.293616
ENSG00000254510	0.188944	2.395157	0.017695	0.293047
	-0.17109	-2.39407	0.017746	0.293278
	-0.23698	-2.39584	0.017663	0.292907
	0.323585	2.396665	0.017625	0.292669
ST6GALNAC1;SPHK1;ST6GALNAC2;UNC13D;SMIM6;PRPSAP1;S				
MIM5	-0.38379	-2.39389	0.017754	0.293278
	0.274265	2.395231	0.017692	0.293045
ABI3;TAC4	0.332243	2.396999	0.017609	0.292606
	0.268407	2.396292	0.017642	0.292727
ITGA9;VILL;ACVR2B;XYLB;ENSG00000235257;TTC21A	-0.33036	-2.39368	0.017764	0.293375
	0.257217	2.395367	0.017685	0.293005
KIAA1522;FNDC5;SYNC;YARS;TMEM54;LCK	-0.28386	-2.39332	0.017781	0.293472
	0.204041	2.394085	0.017745	0.293278
	-0.44735	-2.39144	0.017869	0.293798
	0.310661	2.395674	0.017671	0.292959
	0.313648	2.394888	0.017708	0.293102
ZC3H6;RABL2A	-0.27574	-2.38795	0.018034	0.294781

TREM2;C6orf132	0.325145	2.392553	0.017817	0.293584
	-0.3721	-2.39446	0.017728	0.293193
	-0.25582	-2.3941	0.017745	0.293278
	-0.32481	-2.39764	0.01758	0.292474
NTM	0.317047	2.394828	0.01771	0.293102
	-0.15041	-2.39078	0.0179	0.294091
GRTP1	-0.30925	-2.39708	0.017606	0.292605
	0.377534	2.394171	0.017741	0.293278
GSKIP;BDKRB2;AK7	0.226653	2.396894	0.017614	0.292642
	-0.15334	-2.39418	0.017741	0.293278
	0.186558	2.392783	0.017806	0.293557
	0.248283	2.397681	0.017578	0.292466
	0.217244	2.3969	0.017614	0.292642
	0.18571	2.391006	0.01789	0.294018
	0.305085	2.397744	0.017575	0.292458
	0.206139	2.391807	0.017852	0.293784
	-0.2403	-2.39659	0.017628	0.292675
	-0.38895	-2.39379	0.017759	0.293326
	-0.35774	-2.39038	0.017919	0.294221
	-0.24366	-2.39186	0.01785	0.293784
	-0.32294	-2.39403	0.017748	0.293278
	-0.40296	-2.3968	0.017618	0.292642
	0.256522	2.387591	0.018051	0.294847
PKDREJ	-0.28306	-2.3933	0.017782	0.293472
	0.37782	2.396201	0.017646	0.292747
SMIM5;FDXR;RNF157-AS1 KIAA1755;RPRD1B;RALGAPB	0.282965	2.391126	0.017884	0.293976
	-0.29993	-2.39476	0.017713	0.293102
	0.187965	2.393881	0.017755	0.293278
GPR176;SPINT1;DLL4;ENSG00000261183;C15orf52;RHOV;FSIP 1;LTK;RMDN3	-0.25813	-2.39457	0.017723	0.293142
	-0.35905	-2.39304	0.017794	0.293472
	-0.21596	-2.39636	0.017639	0.292727
	0.217725	2.390009	0.017937	0.29428
	-0.3953	-2.39215	0.017836	0.293677
ENSG00000259225	0.288327	2.39703	0.017608	0.292606
	-0.19529	-2.38932	0.017969	0.294473
	-0.37086	-2.38595	0.018129	0.295265
RABL2A;TTL	-0.39634	-2.39167	0.017858	0.293784
	-0.2485	-2.39787	0.017569	0.2924
TRIM2;KIAA0922;TIGD4;TMEM154;SFRP2;ARFIP1	-0.2793	-2.39266	0.017812	0.293557
	0.29904	2.394018	0.017748	0.293278
	-0.24232	-2.388	0.018032	0.294781
COX14;TMBIM6	-0.2293	-2.39581	0.017665	0.292924
	0.191831	2.392416	0.017823	0.293605
	0.245286	2.393236	0.017785	0.293472
	0.338002	2.394449	0.017728	0.293193
TSPAN32	-0.30686	-2.38781	0.018041	0.294785

	-0.3159	-2.39331	0.017782	0.293472
ICOSLG;TRPM2;LRRC3;ITGB2;ENSG00000225331;LRRC3DN;CST				
B	-0.29102	-2.39471	0.017716	0.293102
	0.309956	2.394918	0.017706	0.293102
	0.284271	2.396268	0.017643	0.292727
	0.343925	2.391074	0.017886	0.293982
	0.257085	2.395577	0.017676	0.292977
	0.213113	2.39199	0.017843	0.293723
	0.221784	2.395398	0.017684	0.293005
	0.127733	2.393439	0.017775	0.293472
	-0.2602	-2.38837	0.018014	0.294771
MCU	0.241956	2.395156	0.017695	0.293047
EPT1;PREB;PPM1G;OST4;SLC35F6;RAB10;HADHB	0.179556	2.393569	0.017769	0.293416
	-0.12	-2.39157	0.017863	0.293787
	0.180397	2.39375	0.017761	0.293333
	0.212035	2.39244	0.017822	0.293598
	0.200543	2.39183	0.017851	0.293784
NOTCH4	-0.22222	-2.39492	0.017706	0.293102
	0.236664	2.394833	0.01771	0.293102
	-0.43865	-2.39314	0.017789	0.293472
HIC1;SCARF1;MYO1C;SLC43A2;PITPNA	-0.31186	-2.39266	0.017812	0.293557
RPRD1B;DLGAP4;KIAA1755	-0.31285	-2.39032	0.017922	0.294221
	0.244917	2.392558	0.017817	0.293584
GRB10	0.272966	2.39345	0.017775	0.293472
RMRP	0.203878	2.394738	0.017715	0.293102
	-0.19469	-2.39323	0.017785	0.293472
	-0.24207	-2.3905	0.017914	0.29422
MBOAT1	-0.36854	-2.39163	0.01786	0.293784
	-0.19266	-2.3903	0.017923	0.294221
	0.384387	2.395848	0.017663	0.292907
	0.337737	2.391393	0.017871	0.293814
RCSD1;CD247	-0.33767	-2.39251	0.017819	0.293586
TSTA3;GPIHBP1;LY6E	-0.28337	-2.39161	0.017861	0.293784
SH3TC1;CCDC96;ABLIM2;AFAP1;KIAA0232	-0.28744	-2.39295	0.017798	0.293487
	-0.22095	-2.39265	0.017812	0.293557
RNF213;ENDOV	0.176487	2.39437	0.017732	0.293228
	0.157105	2.391763	0.017854	0.293784
NUDC;HMGN2;UBXN11;PIGV	0.216991	2.395511	0.017679	0.29299
	0.191123	2.390129	0.017931	0.294268
	-0.19876	-2.394	0.017749	0.293278
TBCC;ENSG00000223946	0.202504	2.392456	0.017821	0.293597
	0.151179	2.389924	0.017941	0.29428
	0.302998	2.392164	0.017835	0.293677
	-0.25587	-2.39327	0.017783	0.293472
CCM2L;RNU1-94P;FOX51	-0.29865	-2.39267	0.017811	0.293557
	-0.3474	-2.39549	0.01768	0.29299
SEC24D	0.328758	2.392994	0.017796	0.293472

TPPP;LPCAT1	0.219153	2.391451	0.017869	0.293798
	0.301589	2.388622	0.018002	0.294714
	-0.24869	-2.39431	0.017735	0.293242
	-0.27891	-2.39493	0.017706	0.293102
	-0.10427	-2.39169	0.017857	0.293784
	-0.26147	-2.39399	0.01775	0.293278
	-0.14549	-2.3902	0.017927	0.294232
	0.217437	2.392906	0.0178	0.293498
	0.270377	2.393555	0.01777	0.293416
	-0.28801	-2.38968	0.017952	0.294325
RIMS4;STK4;PI3;IFT52	-0.30059	-2.39038	0.017919	0.294221
GALNT16;KIAA0247;SLC39A9;ZFP36L1;ACTN1	-0.2746	-2.39521	0.017693	0.293045
	-0.28076	-2.39416	0.017742	0.293278
	0.372116	2.393147	0.017789	0.293472
ENSG00000228956	-0.1796	-2.38849	0.018008	0.294752
NR2F6;MYO9B;JAK3;USHBP1;PLVAP;GDF15;MAST3;FCHO1;ELL;FAM129C	-0.28758	-2.38783	0.01804	0.294785
	-0.24957	-2.39127	0.017877	0.293881
	0.184961	2.392991	0.017796	0.293472
LAMP3;B3GNT5	-0.34241	-2.39303	0.017794	0.293472
CAPS;CATSPERD	0.168784	2.393906	0.017754	0.293278
	0.214095	2.387343	0.018063	0.294952
	0.363191	2.395354	0.017686	0.293005
	-0.26991	-2.38714	0.018073	0.294952
IFFO1;VWF;CLSTN3;ANO2;SCNN1A;C1R;NTF3;LEPREL2;C1RL;RBP5;C1S;CD27;CD9;LRRC23;C1RL-AS1;ENSG00000257084;SPSB2;ATN1;ENSG00000271969;GPR162	-0.32553	-2.39045	0.017916	0.294221
	0.304985	2.394596	0.017721	0.293142
	0.273145	2.391086	0.017886	0.293982
	0.200475	2.391496	0.017867	0.293787
	-0.29698	-2.39275	0.017808	0.293557
PIK3CG	-0.20745	-2.39315	0.017789	0.293472
	0.270251	2.391774	0.017854	0.293784
	0.225056	2.390937	0.017893	0.294027
	-0.32246	-2.3876	0.018051	0.294847
	-0.34831	-2.39473	0.017715	0.293102
	0.177807	2.389204	0.017975	0.294505
	-0.26557	-2.39213	0.017837	0.293677
KIAA1614;ENSG00000237292;STX6	-0.25832	-2.38836	0.018015	0.294771
	0.206271	2.390988	0.017891	0.294021
TAP1;HLA-DMA;HLA-DPB1;HLA-DMB;PSMB9;TAP2;TAPSAR1;HLA-DOA;HLA-DPA1;HLA-DRA;PSMB8;HLA-DRB1;RPL32P1	-0.28852	-2.39519	0.017693	0.293047
	0.203085	2.394676	0.017718	0.293116
	0.210302	2.394883	0.017708	0.293102
PLXDC1	0.179338	2.390899	0.017895	0.294045

TACSTD2;OMA1	-0.31565	-2.38968	0.017952	0.294325
	0.115215	2.390817	0.017899	0.294079
TAL1;CMPK1;CYP4B1	0.253333	2.386774	0.01809	0.295031
	-0.26007	-2.39398	0.01775	0.293278
	0.129391	2.393764	0.01776	0.293333
	0.242754	2.391602	0.017862	0.293784
C5orf56;PDLIM4;P4HA2;ACSL6;UQCRCQ	-0.25659	-2.39359	0.017768	0.293416
CALHM2;USMG5	-0.31139	-2.38862	0.018002	0.294714
	-0.21694	-2.3836	0.018241	0.29583
	-0.26413	-2.39176	0.017854	0.293784
	0.169896	2.392726	0.017809	0.293557
HSBP1L1	-0.24238	-2.38817	0.018024	0.294781
RPS3AP34	-0.34412	-2.39087	0.017896	0.294058
	-0.19101	-2.39313	0.01779	0.293472
	0.217139	2.392281	0.01783	0.293652
	-0.20109	-2.39477	0.017713	0.293102
EMILIN1	0.255982	2.392361	0.017826	0.293616
	0.143989	2.393014	0.017795	0.293472
	-0.32875	-2.38887	0.017991	0.29464
	0.210154	2.389678	0.017952	0.294325
	0.549168	2.391866	0.017849	0.293784
HMGXB3;MYOZ3	0.224193	2.389231	0.017973	0.294501
HMHA1;ARID3A;MOB3A	-0.27067	-2.39457	0.017723	0.293142
	0.261236	2.392847	0.017803	0.293533
	0.256892	2.390074	0.017934	0.29428
	0.233953	2.390431	0.017917	0.294221
	0.196725	2.392119	0.017837	0.293677
MIEF2;COPS3;ALKBH5;TBC1D27	-0.31131	-2.38789	0.018037	0.294783
	-0.23657	-2.38588	0.018133	0.295277
	-0.24293	-2.39025	0.017925	0.294221
	-0.39717	-2.39272	0.017809	0.293557
	-0.22522	-2.39261	0.017814	0.293571
	0.250725	2.393116	0.017791	0.293472
PSMG3	0.181547	2.393198	0.017787	0.293472
FAM101B	-0.22015	-2.39226	0.017831	0.293652
	0.277178	2.393028	0.017795	0.293472
	-0.27853	-2.39075	0.017902	0.294101
SETBP1	-0.25944	-2.38494	0.018177	0.295484
PARD3	0.356901	2.394034	0.017748	0.293278
	-0.13052	-2.39215	0.017836	0.293677
	0.282979	2.392059	0.01784	0.293712
IGF2BP3	-0.24064	-2.3915	0.017866	0.293787
	0.399749	2.391687	0.017858	0.293784
NRROS	-0.3025	-2.39269	0.017811	0.293557
	-0.27962	-2.39313	0.01779	0.293472
ERLIN1	0.426566	2.389063	0.017981	0.294541
ACP5;ZNF44;DOCK6;EPOR;RGL3;KANK2;AP1M2;CNN1	-0.27036	-2.39152	0.017866	0.293787

FDXR;UNC13D;MRPS7;SLC16A5;SLC9A3R1;TTYH2;ICT1;SUMO2; TRIM65;GGA3;ENSG00000264853;GPRC5C;HN1;DNAI2;SMIM6	0.212844	2.393992	0.017749	0.293278
	0.290885	2.392478	0.01782	0.293592
	-0.12352	-2.38729	0.018065	0.294952
	0.219076	2.392721	0.017809	0.293557
	0.226273	2.388068	0.018029	0.294781
	0.223218	2.391666	0.017859	0.293784
	-0.42286	-2.39387	0.017755	0.293278
	0.229381	2.386701	0.018093	0.295065
STAT4;STAT1	0.278335	2.3916	0.017862	0.293784
	0.209742	2.389967	0.017939	0.29428
	0.228246	2.393435	0.017776	0.293472
	-0.16133	-2.38967	0.017953	0.294325
	-0.27308	-2.39477	0.017713	0.293102
KIF21B;PTPN7;ELF3	-0.38998	-2.38941	0.017965	0.294424
	0.271035	2.387532	0.018054	0.294881
	0.211647	2.387821	0.01804	0.294785
PCDH12;ARHGAP26;ARAP3;KIAA0141	0.28588	2.392383	0.017825	0.293616
	0.17982	2.389603	0.017956	0.294325
	0.274164	2.38587	0.018133	0.295277
RGS11	0.255724	2.388638	0.018002	0.294714
	-0.14329	-2.38888	0.01799	0.29464
	0.247049	2.391553	0.017864	0.293787
MYEOV2	0.187406	2.391739	0.017855	0.293784
	0.171911	2.391682	0.017858	0.293784
	0.179731	2.389731	0.01795	0.294325
	0.26034	2.392247	0.017831	0.293652
	0.197845	2.391604	0.017862	0.293784
	0.19162	2.391495	0.017867	0.293787
	0.239681	2.389089	0.01798	0.29454
	0.223305	2.387253	0.018067	0.294952
NME4;RGS11;HN1L;SOX8;TMEM204;CACNA1H;TPSD1;ENSG00 000260807;RAB11FIP3	-0.22389	-2.39033	0.017922	0.294221
	-0.15863	-2.38539	0.018156	0.295399
	-0.25192	-2.38693	0.018083	0.295018
LIFR;GOLGA5P1;FYB	0.366529	2.390264	0.017925	0.294221
	-0.2339	-2.38847	0.01801	0.294752
	0.257599	2.387959	0.018034	0.294781
	0.224579	2.389773	0.017948	0.294319
	0.322001	2.391991	0.017843	0.293723
	0.244149	2.387229	0.018068	0.294952
SEMA6A	0.320774	2.390941	0.017893	0.294027
	0.258422	2.387941	0.018035	0.294781
TCTE1;DLK2;RSPH9;LRRC73;ENSG00000272442;ABCC10;VEGFA ;SPATS1;GTPBP2	-0.34957	-2.3848	0.018184	0.295525
	-0.26266	-2.39252	0.017819	0.293586

PTPN7;CYB5R1;RNPEP;ELF3;TMEM9;PPP1R12B;PPFIA4 ARHGAP26	0.270541	2.38795	0.018034	0.294781
	-0.27479	-2.39234	0.017827	0.293616
	-0.22271	-2.39027	0.017924	0.294221
	0.304533	2.391659	0.017859	0.293784
	0.18928	2.388599	0.018003	0.294718
	0.269743	2.388051	0.018029	0.294781
	0.246704	2.389623	0.017955	0.294325
	0.18892	2.389152	0.017977	0.294523
	0.160751	2.388112	0.018026	0.294781
	0.23538	2.393208	0.017786	0.293472
ENSG00000257279	0.325499	2.389854	0.017944	0.294306
RHOH;NSUN7;WDR19;RBM47;UGDH	0.245748	2.38956	0.017958	0.294347
	0.449062	2.388661	0.018	0.294714
SLIRP;SNW1 SCARNA10	0.252855	2.389469	0.017962	0.294395
	-0.40755	-2.38963	0.017954	0.294325
	-0.17547	-2.3841	0.018217	0.295711
	0.241059	2.389029	0.017983	0.294555
ENSG00000230333;THSD7A	0.308137	2.390006	0.017937	0.29428
	0.269542	2.387357	0.018062	0.294952
	-0.41951	-2.3899	0.017942	0.294284
DNMBP;LINC00263;HPSE2	0.225212	2.390394	0.017919	0.294221
	0.330234	2.389949	0.01794	0.29428
	0.284937	2.390175	0.017929	0.294243
SACS;MIPEP;SPATA13;PARP4 MAP4	-0.17286	-2.39057	0.01791	0.294178
	-0.38173	-2.3857	0.018141	0.2953
	-0.27889	-2.38822	0.018022	0.29478
AP1M2;KANK2;ZNF440;KEAP1;CNN1;SMARCA4;PDE4A;TMED1	0.369709	2.38606	0.018124	0.295265
	0.274021	2.39063	0.017907	0.29414
	0.139373	2.387862	0.018038	0.294785
	0.289834	2.392613	0.017814	0.293571
	-0.25161	-2.39028	0.017924	0.294221
	0.171573	2.388744	0.017997	0.294706
	0.372952	2.380394	0.018396	0.296634
	-0.23507	-2.39071	0.017904	0.294103
	0.159803	2.381303	0.018352	0.296351
	-0.24914	-2.38646	0.018105	0.295152
	-0.20142	-2.38265	0.018287	0.296107
	-0.1966	-2.39081	0.017899	0.294079
	-0.27001	-2.38608	0.018123	0.295265
	-0.28419	-2.38931	0.01797	0.294473
NXPH3;SGCA;COL1A1;SAMD14;ANKRD40;CACNA1G;LRRC59;M YCBPAP HEXIM2 FER1L6;FAM83A	0.220528	2.387133	0.018073	0.294952
	0.168055	2.390944	0.017893	0.294027
	0.294558	2.391068	0.017887	0.293982
	0.200856	2.386106	0.018122	0.295265
	0.208205	2.387963	0.018034	0.294781

LOH12CR1	0.250927	2.39224	0.017832	0.293652
MEGF10	-0.35793	-2.38984	0.017945	0.294306
EGFR-AS1	-0.20539	-2.3862	0.018117	0.295263
	-0.26124	-2.39032	0.017922	0.294221
FANCI;ISG20;ABHD2;AEN;NTRK3	-0.2378	-2.3902	0.017927	0.294232
MCTP1	0.206888	2.386926	0.018083	0.295018
	0.191391	2.385848	0.018134	0.295277
CCSAP	-0.33823	-2.38334	0.018254	0.295924
HLA-DQA2;SLC44A4;NELFE	0.273701	2.38997	0.017939	0.29428
	0.287452	2.386086	0.018123	0.295265
	0.188697	2.387054	0.018077	0.294982
DIP2C;IDI1;PRR26;ENSG00000272992;LARP4B	0.332473	2.39174	0.017855	0.293784
TAS2R3	0.257328	2.389955	0.017939	0.29428
	0.313996	2.388026	0.018031	0.294781
	0.302388	2.388862	0.017991	0.29464
CBX2;C1QTNF1;TIMP2;TNRC6C;ENSG00000178404	-0.34677	-2.38418	0.018214	0.295711
ENSG00000250790	-0.26586	-2.38579	0.018137	0.295298
	0.238419	2.390256	0.017925	0.294221
WDR45B;C17orf62;RAB40B	0.226497	2.38517	0.018166	0.295461
	0.278377	2.386229	0.018116	0.295263
	-0.17971	-2.38962	0.017955	0.294325
	0.321522	2.388266	0.018019	0.294773
	-0.22606	-2.38606	0.018124	0.295265
SURF4;ENSG00000224992	-0.23044	-2.39065	0.017907	0.294137
ENSG00000245466;DCAF5;EXD2	-0.43584	-2.38358	0.018243	0.295837
	0.217098	2.390096	0.017933	0.29428
	-0.16617	-2.3884	0.018013	0.29477
	-0.25327	-2.38831	0.018017	0.294773
	0.151693	2.388278	0.018019	0.294773
PLXND1;ENSG00000187695;IFT122;EFCAB12	-0.36169	-2.38744	0.018059	0.294934
	-0.2188	-2.38474	0.018187	0.295557
	0.213779	2.388295	0.018018	0.294773
BAI1;GPIHBP1;LYPD2	-0.4093	-2.38977	0.017948	0.294319
	0.321196	2.390309	0.017923	0.294221
	0.256091	2.390268	0.017924	0.294221
	0.251379	2.388024	0.018031	0.294781
	0.166667	2.387246	0.018068	0.294952
	0.158249	2.389092	0.01798	0.29454
	0.285857	2.384281	0.018209	0.295684
BNIP1;MRPS21;HIST2H4B	-0.39742	-2.38983	0.017945	0.294306
IP6K3;PHF1	0.221377	2.388827	0.017993	0.294656
	-0.20039	-2.38712	0.018073	0.294952
	-0.22371	-2.38799	0.018032	0.294781
SLC5A4;CPSF1P1;EIF4ENIF1	0.195523	2.388733	0.017997	0.294706
AGAP2;ARHGAP9	-0.30054	-2.39006	0.017934	0.29428
	0.345283	2.385517	0.01815	0.295376
PKD1L1	0.248254	2.388441	0.018011	0.294752



	0.271268	2.38966	0.017953	0.294325
	0.254126	2.38563	0.018144	0.295333
LOH12CR1	-0.21291	-2.38495	0.018177	0.295484
CHST12;MAD1L1;TTYH3;HEATR2	-0.26278	-2.38858	0.018004	0.294718
	0.232971	2.388698	0.017999	0.294711
	-0.39442	-2.38952	0.01796	0.294368
	-0.19077	-2.38914	0.017978	0.294523
LEO1;GLDN;LYSMD2	-0.2924	-2.38525	0.018163	0.295437
	0.233628	2.387338	0.018063	0.294952
EFHD1	-0.24902	-2.38207	0.018315	0.296241
PTGDS;LCNL1;GRIN1	-0.19234	-2.38846	0.01801	0.294752
	0.337757	2.387285	0.018066	0.294952
SHC2;ARID3A;MISP;REEP6;GPX4;HMHA1;MOB3A;FSTL3	-0.3483	-2.38141	0.018347	0.29632
	-0.1804	-2.38404	0.01822	0.295711
	-0.27295	-2.38791	0.018036	0.294783
	0.16784	2.388484	0.018009	0.294752
	0.191389	2.386806	0.018088	0.295028
	0.295457	2.38602	0.018126	0.295265
ENSG00000272520;SRD5A1;KIAA0947	-0.41791	-2.38548	0.018152	0.295379
TULP3;FKBP4	0.275911	2.390406	0.017918	0.294221
	-0.16004	-2.38718	0.018071	0.294952
	0.358083	2.387443	0.018058	0.294934
SAA1;ENSG00000255308;SAA2	-0.23228	-2.38961	0.017956	0.294325
	0.129189	2.38498	0.018176	0.295484
ZNF354C	0.265149	2.383153	0.018263	0.295966
	-0.3144	-2.38722	0.018069	0.294952
	0.115758	2.386271	0.018114	0.295252
	-0.20779	-2.38791	0.018036	0.294783
ATG5;SOBP	-0.24995	-2.38779	0.018042	0.294785
PHF10	-0.12694	-2.38721	0.018069	0.294952
	-0.23305	-2.38776	0.018043	0.294785
TMEM255B;F10;GAS6;TFDP1	-0.49834	-2.3796	0.018434	0.296836
	0.156675	2.387762	0.018043	0.294785
KIF21B;PTPN7	-0.30348	-2.38693	0.018083	0.295018
CD74;CSF1R	0.142018	2.38501	0.018174	0.295477
	0.353909	2.388372	0.018014	0.294771
PYHIN1;FCRL5;FCRL2	0.283604	2.388629	0.018002	0.294714
	-0.28265	-2.38406	0.018219	0.295711
	0.198815	2.382277	0.018305	0.296241
	0.197638	2.380483	0.018391	0.296634
	0.243586	2.388254	0.01802	0.294773
	-0.19863	-2.38806	0.018029	0.294781
HES2	-0.2078	-2.38805	0.018029	0.294781
NOTCH4;CLIC1;C6orf10;NELFE;DHX16;PPP1R18;SLC44A4	-0.29944	-2.38687	0.018085	0.295028
	0.176535	2.387189	0.01807	0.294952
	0.333809	2.384602	0.018194	0.295614
	0.182265	2.388572	0.018005	0.294718

	0.231487	2.385386	0.018156	0.295399
	-0.24213	-2.38795	0.018034	0.294781
HCP5;HLA-B;HLA-DRA;HLA-C;C2;LTB;HSPA1A	0.484507	2.389265	0.017972	0.294486
SMDT1;CENPM;ACO2;MKL1;XRCC6;XPNPEP3;NDUFA6	-0.34408	-2.3892	0.017975	0.294505
GPIHBP1	-0.26827	-2.38798	0.018033	0.294781
	0.206815	2.383895	0.018227	0.295748
AKAP3;CCND2;ANO2;NTF3;VWF;KCNA5;KCNA1	0.228879	2.38214	0.018312	0.296241
DENND2A;JHDM1D-AS1;KDM7A;MKRN1;SLC37A3;BRAF;RAB19	-0.30847	-2.38527	0.018162	0.295437
ZNF540	-0.34959	-2.38871	0.017998	0.29471
	-0.16656	-2.38463	0.018192	0.295613
	0.122687	2.38331	0.018255	0.295931
	-0.24428	-2.38691	0.018084	0.295018
	0.186948	2.382097	0.018314	0.296241
	-0.35625	-2.38977	0.017948	0.294319
	0.189532	2.383083	0.018266	0.29599
	-0.3447	-2.38649	0.018103	0.295152
	0.304085	2.386726	0.018092	0.295057
	0.265222	2.384332	0.018206	0.295679
	-0.16074	-2.37771	0.018526	0.297164
	-0.14328	-2.38038	0.018396	0.296634
RHBDF2;TMC8;ST6GALNAC2;TMC6	0.305294	2.388272	0.018019	0.294773
C17orf96	0.297365	2.381631	0.018336	0.29628
	0.154332	2.386151	0.01812	0.295265
FAM78A	0.26529	2.387317	0.018064	0.294952
TENC1;GRASP	0.222194	2.38664	0.018096	0.295101
	0.297688	2.386507	0.018103	0.295152
NRF1	-0.16699	-2.38901	0.017984	0.294562
	0.299446	2.384424	0.018202	0.29565
	0.190351	2.384525	0.018197	0.295634
	-0.22227	-2.38716	0.018072	0.294952
	0.223127	2.384518	0.018198	0.295634
RCSD1;CD247	-0.37054	-2.38717	0.018071	0.294952
	-0.20748	-2.38908	0.017981	0.29454
	0.286071	2.388449	0.01801	0.294752
	0.273453	2.387634	0.018049	0.294842
ARHGEF17;PDE2A;P4HA3;P2RY6	-0.25708	-2.38763	0.018049	0.294842
ENSG00000270696	-0.29966	-2.38555	0.018148	0.295376
SRGAP3;HRH1	-0.27445	-2.38597	0.018128	0.295265
	0.291922	2.380477	0.018392	0.296634
	-0.17341	-2.3851	0.01817	0.295473
	-0.21946	-2.38833	0.018016	0.294773
	0.33604	2.38774	0.018044	0.294788
KCNMA1;ZMIZ1;DLG5-AS1;ENSG00000225652	-0.23786	-2.38334	0.018254	0.295924
	-0.28533	-2.3862	0.018117	0.295263
IGF2;C11orf89	-0.2681	-2.38734	0.018063	0.294952
	0.29233	2.38293	0.018274	0.296004

ERGIC3;SOGA1;DLGAP4;MYL9;ENSG00000232907	0.330663	2.385807	0.018136	0.295297
	-0.28893	-2.38231	0.018304	0.296233
	0.184469	2.382983	0.018271	0.296002
ENSG00000259481;ANXA2;ENSG00000259575	-0.19786	-2.38394	0.018225	0.295724
	0.239539	2.381726	0.018332	0.296257
	0.156476	2.381615	0.018337	0.29628
DIO3;DIO3OS	-0.30883	-2.38516	0.018167	0.295461
	0.318048	2.387778	0.018042	0.294785
	-0.36109	-2.38618	0.018118	0.295265
CYGB	0.280922	2.386444	0.018106	0.295152
	0.170683	2.38455	0.018196	0.295634
	0.151475	2.385015	0.018174	0.295477
RPL41P1	0.204884	2.383017	0.01827	0.296002
	-0.23949	-2.38644	0.018106	0.295152
	0.24005	2.386918	0.018083	0.295018
TTLL6	-0.183	-2.38402	0.018222	0.295711
	-0.20531	-2.38658	0.018099	0.295134
	-0.30519	-2.38526	0.018162	0.295437
CPVL	0.261885	2.38368	0.018238	0.295825
	0.264432	2.38598	0.018128	0.295265
	0.282063	2.386791	0.018089	0.295028
TMEM255B	-0.46045	-2.38428	0.018209	0.295684
	-0.15487	-2.38484	0.018182	0.295505
	-0.18147	-2.38379	0.018232	0.295774
CTC1;ARHGEF15;PIK3R6;VAMP2	-0.38418	-2.38587	0.018133	0.295277
	0.349301	2.385088	0.01817	0.295473
	-0.23103	-2.38327	0.018258	0.295931
B3GNT5	-0.54883	-2.38794	0.018035	0.294781
	0.192875	2.38613	0.018121	0.295265
	-0.37061	-2.38523	0.018163	0.295438
FOX1;FAM92B;ENSG00000262601;FENDRR	0.19414	2.385041	0.018173	0.295477
	0.246442	2.384616	0.018193	0.295614
	0.198374	2.382004	0.018318	0.296241
GRK5;CASC2	0.293374	2.385734	0.01814	0.2953
	0.287007	2.386319	0.018112	0.295226
	0.209249	2.384131	0.018216	0.295711
STK10	0.213228	2.385325	0.018159	0.295413
	0.315037	2.385713	0.018141	0.2953
	0.193103	2.384365	0.018205	0.295675
ARAP2	-0.32923	-2.38064	0.018384	0.296575
	-0.20029	-2.38565	0.018144	0.29533
	-0.31659	-2.3854	0.018155	0.295399
	-0.31293	-2.38552	0.01815	0.295376
	0.215426	2.385864	0.018133	0.295277
	-0.35021	-2.38412	0.018217	0.295711
	0.177063	2.38823	0.018021	0.29478
	0.366963	2.38535	0.018158	0.295413

SLFN13;ENSG00000267554;GAS2L2;SLFN12L;ENSG00000266956	-0.41456	-2.38807	0.018028	0.294781
	0.265622	2.386023	0.018126	0.295265
	0.468254	2.380396	0.018396	0.296634
	0.140488	2.383996	0.018223	0.295714
	-0.28671	-2.38571	0.018141	0.2953
SLC17A5;KHDC1;ENSG00000229852;EEF1A1;EIF3EP1	-0.35594	-2.38323	0.018259	0.295931
	-0.17685	-2.37855	0.018485	0.29695
	0.256164	2.386808	0.018088	0.295028
AFAP1;ABLM2;PSAPL1;HTRA3;AFAP1-AS1;SORCS2	0.220465	2.374298	0.018692	0.297965
	-0.13595	-2.38641	0.018107	0.295167
	0.227686	2.384517	0.018198	0.295634
	-0.20578	-2.37909	0.018459	0.296902
MDH1;TMEM17	0.426351	2.382515	0.018294	0.29617
ADCY3;DNAJC27;DRC1	0.48422	2.385018	0.018174	0.295477
TMC4;PPP6R1;HSPBP1;ISOC2	-0.31761	-2.38547	0.018152	0.295379
	-0.22452	-2.38516	0.018167	0.295461
	-0.33404	-2.38493	0.018178	0.295484
	0.295044	2.386984	0.01808	0.295018
	-0.21799	-2.38364	0.01824	0.295827
	-0.38573	-2.38708	0.018076	0.294976
	-0.39335	-2.38432	0.018207	0.295679
	0.388987	2.387718	0.018045	0.294794
	-0.33206	-2.38107	0.018363	0.296445
	0.271364	2.385708	0.018141	0.2953
	-0.2724	-2.38068	0.018382	0.296575
	-0.25884	-2.38262	0.018288	0.296119
	0.268184	2.3874	0.01806	0.29495
	0.312537	2.384059	0.01822	0.295711
	0.357267	2.385951	0.018129	0.295265
	-0.25219	-2.38545	0.018153	0.295384
	0.304991	2.383078	0.018267	0.29599
LARP4B	-0.32764	-2.38384	0.01823	0.295771
WEE1	-0.37655	-2.38784	0.01804	0.294785
MED20	0.222381	2.381587	0.018338	0.29628
RSPO1	-0.26894	-2.38447	0.0182	0.295637
	0.308511	2.384894	0.01818	0.295489
	0.267753	2.383775	0.018233	0.295774
	-0.29539	-2.38506	0.018172	0.295477
	0.264194	2.384655	0.018191	0.295607
ANXA6;SPARC;ENSG00000249035	-0.34188	-2.38188	0.018324	0.296241
ADARB1;COL6A1;COL6A2;COL18A1;COL18A1-AS1;COL18A1-AS2;ENSG00000268805;C21orf58;ENSG00000267857	0.356109	2.374766	0.018669	0.297943
	0.324259	2.384412	0.018203	0.29565
	0.256283	2.386078	0.018123	0.295265
RPH3AL	-0.31156	-2.38188	0.018324	0.296241

	-0.18109	-2.38313	0.018264	0.29597
	0.247977	2.382465	0.018296	0.296188
	-0.28972	-2.38245	0.018297	0.296188
	-0.24648	-2.38442	0.018202	0.29565
	0.266954	2.386852	0.018086	0.295028
	-0.16177	-2.38351	0.018246	0.29587
	0.249107	2.386831	0.018087	0.295028
	0.18113	2.382307	0.018304	0.296233
	-0.12747	-2.38267	0.018286	0.296107
	-0.33146	-2.38197	0.01832	0.296241
	-0.23774	-2.38295	0.018273	0.296002
FAM185A	0.192536	2.378871	0.018469	0.29695
	0.141364	2.38275	0.018282	0.2961
CLIC4;PAFAH2;ENSG00000229162;TMEM50A;NIPAL3;SRRM1	-0.33717	-2.38343	0.01825	0.295896
	-0.26362	-2.3845	0.018198	0.295634
	-0.32785	-2.3792	0.018453	0.296902
	-0.17501	-2.3822	0.018309	0.296241
MTHFSD;FOXF1;FENDRR;FOXL1	-0.19493	-2.38176	0.01833	0.296256
	0.212841	2.382901	0.018275	0.296014
TAP1;TAP2;PSMB9;TAPSAR1;HLA-DMA;HLA-DOA;HLA-DMB;HLA-DRA	-0.40134	-2.38697	0.018081	0.295018
	0.219557	2.38344	0.018249	0.295896
	-0.2275	-2.38155	0.01834	0.296281
NR3C1	-0.28495	-2.38011	0.01841	0.296745
	0.322441	2.383625	0.01824	0.295827
	0.255603	2.384931	0.018178	0.295484
	0.282461	2.386486	0.018104	0.295152
	0.211118	2.380738	0.018379	0.296575
	-0.20598	-2.38599	0.018127	0.295265
LOH12CR1	0.281471	2.38423	0.018211	0.295701
	0.240186	2.384317	0.018207	0.295679
ADORA2B;TRIM16;PMP22	-0.33456	-2.38246	0.018296	0.296188
	-0.23551	-2.3849	0.018179	0.295489
	-0.5393	-2.38365	0.018239	0.295827
	-0.20483	-2.38552	0.01815	0.295376
EFEMP2;MAP4K2;FAU;CD248;CTSF;RBM4;CCS;NRXN2;RBM14	-0.24603	-2.38015	0.018408	0.296745
	-0.36666	-2.38202	0.018317	0.296241
	-0.21498	-2.38487	0.018181	0.295495
	0.269942	2.384478	0.0182	0.295637
	0.239167	2.384038	0.018221	0.295711
IFFO1;VWF;ANO2;CLSTN3;SCNN1A;C1R;NTF3;RBP5;LEPREL2;C1S;ENSG00000257084;LRRC23;C1RL-AS1;CD9;CD27;ATN1;C1RL;GPR162;GNB3;ENSG00000256967;MRPL51;PTMS;SPSB2;CD27-AS1	-0.24847	-2.38014	0.018408	0.296745
MRVI1-AS1	0.282063	2.382698	0.018285	0.296106

	-0.19041	-2.38533	0.018159	0.295413
IFT140;BAIAP3;HAGH;ENSG00000272079;CLDN9;MSRB1;HS3ST6;SRRM2-AS1	-0.19716	-2.38187	0.018325	0.296241
	0.306835	2.383249	0.018258	0.295931
	-0.37872	-2.38296	0.018272	0.296002
	-0.27929	-2.38298	0.018271	0.296002
ENSG00000232950;TMEM254	-0.25866	-2.38362	0.018241	0.295827
MEG3;MEG8;RTL1;ENSG00000225746;ENSG00000271417	-0.31404	-2.37692	0.018564	0.297387
	0.293016	2.386222	0.018116	0.295263
FAM178A	-0.22848	-2.38576	0.018138	0.2953
	0.179648	2.384734	0.018187	0.295557
KIF11;EXOC6	0.27622	2.380228	0.018404	0.296729
	0.136381	2.383513	0.018246	0.29587
	0.223249	2.384076	0.018219	0.295711
	-0.28393	-2.37637	0.018591	0.297564
	-0.32871	-2.3868	0.018089	0.295028
	-0.29831	-2.37724	0.018548	0.297257
	-0.22069	-2.38324	0.018259	0.295931
	0.186117	2.385124	0.018169	0.295467
	0.313232	2.38337	0.018253	0.295924
	0.185338	2.380127	0.018409	0.296745
	0.183091	2.382048	0.018316	0.296241
ZNF251	0.160458	2.381747	0.018331	0.296256
	0.288601	2.381582	0.018339	0.29628
CACNA1C-AS4;PRMT8;TULP3;CACNA1C;TSPAN9;CACNA1C-IT3	0.295927	2.383716	0.018236	0.295809
	-0.20767	-2.38096	0.018368	0.296482
	0.205839	2.382715	0.018284	0.296106
	-0.20146	-2.38204	0.018316	0.296241
SDC3;COL16A1;MTMR9LP;ENSG00000223907	-0.2608	-2.38605	0.018124	0.295265
	0.367797	2.383779	0.018233	0.295774
C11orf48;RAB3IL1;LRRN4CL;AHNAK;FADS3	0.232503	2.38017	0.018407	0.296745
	-0.22071	-2.37857	0.018484	0.29695
	-0.28619	-2.38586	0.018134	0.295277
	-0.28853	-2.38234	0.018302	0.296233
GRB10	-0.22296	-2.37793	0.018515	0.297119
TRAK1;ULK4	0.337721	2.382874	0.018276	0.296014
	0.291447	2.386565	0.0181	0.295136
TIMM23;PARG;MSMB	-0.35914	-2.37693	0.018564	0.297387
DYNLT1;EZR;RSPH3;TCP1;FNDC1;SYTL3;PNLDC1;ACAT2	-0.38112	-2.38142	0.018346	0.29632
	0.271785	2.383191	0.018261	0.295947
	0.258762	2.382015	0.018318	0.296241
	-0.25915	-2.37821	0.018502	0.297023
	0.289069	2.385477	0.018152	0.295379
TCEANC2;TMEM59;TTC22	0.256929	2.381563	0.018339	0.296281
ENSG00000237491	0.241858	2.383236	0.018259	0.295931
	0.28715	2.382534	0.018293	0.296166

ENSG00000253773	-0.42036	-2.38184	0.018326	0.296241
	-0.33404	-2.38328	0.018257	0.295931
	-0.18073	-2.37911	0.018458	0.296902
	0.223889	2.38394	0.018225	0.295724
CDH2	-0.36018	-2.37462	0.018676	0.297965
CTSW	0.256024	2.381093	0.018362	0.296436
	-0.31433	-2.38645	0.018105	0.295152
	-0.17734	-2.38334	0.018254	0.295924
MMRN2	0.251381	2.375681	0.018625	0.297737
	0.265239	2.378656	0.01848	0.29695
WDR45B;PCYT2;MAFG-AS1;ENSG00000261888;TBCD;METRNL	-0.30097	-2.38207	0.018315	0.296241
	-0.19942	-2.38133	0.018351	0.296343
ENSG00000225670;CCDC19;DARC;ATP1A2;CADM3	-0.28837	-2.37991	0.018419	0.296764
	0.168018	2.38153	0.018341	0.296286
MIR143HG;ENSG00000253864;MIR145;PDGFRB;PCYOX1L;ADR B2;CSNK1A1	-0.30551	-2.38419	0.018213	0.295711
	0.2195	2.383493	0.018247	0.29587
FABP5P2	0.231106	2.382157	0.018311	0.296241
TIMP4;RAF1;HRH1;PPARG	-0.30629	-2.38384	0.01823	0.295771
	-0.23977	-2.37561	0.018628	0.297757
	0.235264	2.382948	0.018273	0.296002
	-0.23123	-2.37926	0.01845	0.296902
	-0.32128	-2.38054	0.018389	0.296622
GIMAP8;GIMAP5;GIMAP6;GIMAP1;GIMAP7;RARRES2;TMEM1 76B;SMARCD3;GIMAP2;NOS3;GIMAP4;REPIN1	0.327739	2.384071	0.018219	0.295711
	0.266315	2.382684	0.018286	0.296106
	-0.17007	-2.38394	0.018225	0.295724
	0.174479	2.379985	0.018416	0.296764
	0.344226	2.381742	0.018331	0.296256
	-0.2219	-2.38382	0.018231	0.295773
	0.156881	2.380637	0.018384	0.296575
	0.417074	2.385147	0.018168	0.295461
	0.325905	2.383034	0.018269	0.296002
	0.239638	2.379066	0.01846	0.296907
ANKRD22;ACTA2-AS1	-0.20406	-2.3827	0.018285	0.296106
	0.16464	2.382884	0.018276	0.296014
	0.234805	2.383007	0.01827	0.296002
	-0.37267	-2.38086	0.018373	0.296528
GAS6				
BMP1;PHYHIP;POLR3D;TNFRSF10D;HR;REEP4;PDLIM2;TNFRSF1 0B;GFRA2;C8orf58	-0.26987	-2.38168	0.018334	0.29628
	0.292812	2.384238	0.018211	0.295701
	0.335055	2.384129	0.018216	0.295711
	-0.25619	-2.37883	0.018471	0.29695
	0.38998	2.384021	0.018221	0.295711
	-0.20836	-2.38039	0.018396	0.296634
	-0.16578	-2.37896	0.018465	0.29695

CARD11;TTYH3;IQCE	-0.43593	-2.38184	0.018326	0.296241
TNRC6C;ENSG00000178404;C1QTNF1;DNAH17;LGALS3BP	-0.26953	-2.37886	0.01847	0.29695
ENSG00000273179	0.41631	2.381853	0.018325	0.296241
AASS	-0.32538	-2.38196	0.018321	0.296241
	-0.19929	-2.38095	0.018369	0.296482
ENSG00000231720;PRR18;ENSG00000228648;C6orf118;FGFR				
1OP;MPC1;PDE10A	-0.31091	-2.37869	0.018478	0.29695
	0.200396	2.38147	0.018344	0.296311
	0.182988	2.379293	0.018449	0.296902
BATF3;TMEM206;DTL	-0.24997	-2.38186	0.018325	0.296241
	0.273206	2.379911	0.018419	0.296764
	-0.15487	-2.38115	0.018359	0.296401
	0.189293	2.38078	0.018377	0.296557
	0.250625	2.381791	0.018328	0.296251
GBP6;GEMIN8P4;LRRC8C;LRRC8D	-0.30787	-2.3785	0.018487	0.296956
ITGAL;SPN;CORO1A;ITGAX;ITGAM;ENSG00000260219;ZNF629;				
C16orf93;CTF1;ZNF48;TGFB11;DOC2A;PHKG2	-0.20081	-2.38223	0.018307	0.296241
NUAK2;ETNK2;CNTN2;REN;PLEKHA6	0.237949	2.375991	0.018609	0.297648
	0.221956	2.378382	0.018493	0.296983
	-0.1471	-2.38137	0.018349	0.296325
	-0.25425	-2.38125	0.018355	0.296371
	-0.29681	-2.38199	0.018319	0.296241
	0.163658	2.378953	0.018465	0.29695
	0.243875	2.380286	0.018401	0.296694
	-0.34077	-2.38122	0.018356	0.296382
	0.240576	2.378635	0.018481	0.29695
	-0.17398	-2.37548	0.018635	0.297775
	0.227026	2.382595	0.01829	0.296131
	0.215137	2.381621	0.018337	0.29628
FMNL3;WNT10B;ENSG00000258334;LMBR1L;CERS5	0.245108	2.381819	0.018327	0.296241
ITGB2;TRPM2;ITGB2-AS1	-0.26629	-2.37337	0.018738	0.298102
	-0.23297	-2.3823	0.018304	0.296233
	-0.34089	-2.3778	0.018521	0.297131
PCED1B;RAPGEF3;C12orf68;SLC48A1;RPAP3;PCED1B-AS1	-0.32313	-2.37714	0.018553	0.297289
	0.166077	2.38218	0.01831	0.296241
DENND2C;OLFML3;VANG1;CASQ2;PHTF1;HIPK1	-0.39879	-2.37813	0.018505	0.29703
	-0.34884	-2.38186	0.018325	0.296241
	0.266111	2.378436	0.018491	0.296973
KIF26A;C14orf2;EXOC3L4	0.37407	2.378566	0.018484	0.29695
	-0.2777	-2.38101	0.018366	0.296475
HNRNPA1P14;S1PR3;C9orf47	-0.25745	-2.37828	0.018498	0.29702
	0.278356	2.379856	0.018422	0.296764
	0.205308	2.381478	0.018344	0.296311
KALRN;PARP14;ADCY5;MYLK-AS2;PARP9;DTX3L;MYLK-AS1	-0.26464	-2.38011	0.01841	0.296745



USP43;WDR16;ENSG00000264194	0.353758	2.376849	0.018568	0.297396
ROBO3	-0.37725	-2.38063	0.018385	0.296575
	-0.16855	-2.37983	0.018423	0.29677
BAIAP2;NOTUM;SLC25A10	-0.36937	-2.37912	0.018457	0.296902
	-0.25931	-2.37837	0.018494	0.296983
	0.247658	2.38206	0.018316	0.296241
	0.319527	2.379215	0.018453	0.296902
	-0.18685	-2.3794	0.018444	0.296902
	-0.3428	-2.37857	0.018484	0.29695
	0.345432	2.380074	0.018411	0.296745
	0.211576	2.38231	0.018303	0.296233
CAPN5	0.182984	2.381844	0.018326	0.296241
THRB-IT1	-0.41281	-2.3774	0.018541	0.297232
	-0.38915	-2.37913	0.018457	0.296902
IGHG2;IGHV3-11;IGHV3-21;KIAA0125;IGHV3-7;IGHJ3P;C14orf79;IGHG3;IGHA1;IGHV1-2;IGHV3-23;IGHGP	-0.15717	-2.38083	0.018375	0.296538
	0.143607	2.379779	0.018425	0.296788
	-0.24525	-2.38096	0.018369	0.296482
	-0.35356	-2.38007	0.018411	0.296745
	-0.18297	-2.3775	0.018536	0.297197
	-0.27029	-2.37916	0.018455	0.296902
ZC2HC1C;PTGR2;FAM161B;LTBP2;TTLL5;ENSG00000259319;ISCA2;FCF1;CCDC176;PGF;ENSG00000242488	-0.38848	-2.37749	0.018536	0.297197
	0.215897	2.376138	0.018602	0.297633
	-0.17821	-2.37613	0.018603	0.297633
	-0.21477	-2.37855	0.018485	0.29695
	0.199131	2.381255	0.018354	0.296371
FAM117A;TTLL6	-0.24559	-2.37358	0.018728	0.298034
ARL4C;SH3BP4	-0.36555	-2.3799	0.01842	0.296764
	-0.25952	-2.37989	0.01842	0.296764
MNAT1;SNAPC1	-0.35762	-2.37854	0.018486	0.29695
	-0.38187	-2.38087	0.018373	0.296528
	-0.19503	-2.37154	0.018828	0.29859
	-0.23822	-2.3744	0.018687	0.297965
EBF1;ENSG00000253811;ENSG00000253456;RNF145;PTTG1	0.201496	2.375937	0.018612	0.29766
	-0.22793	-2.38041	0.018395	0.296634
	0.262136	2.380646	0.018384	0.296575
	-0.24852	-2.38115	0.018359	0.296401
	-0.24795	-2.37556	0.01863	0.297774
DISP1	-0.28374	-2.37592	0.018613	0.29766
	-0.39557	-2.37603	0.018608	0.297647
	0.255105	2.374383	0.018688	0.297965
	-0.39444	-2.38196	0.018321	0.296241
RPL3P2;TNXB;C6orf10;GPSM3	-0.28958	-2.37986	0.018421	0.296764
	0.110375	2.380204	0.018405	0.296736

	-0.32035	-2.37611	0.018603	0.297634
XRCC1	-0.44881	-2.38069	0.018382	0.296575
LEPRE1	-0.42778	-2.37941	0.018443	0.296902
	-0.30024	-2.3804	0.018396	0.296634
	0.380623	2.373692	0.018722	0.298034
CCDC40;ENSG00000263069	-0.15912	-2.37667	0.018577	0.297446
BPHL;ENSG00000272320;SLC22A23;SERPINB6	-0.23166	-2.37991	0.018419	0.296764
	0.217065	2.381156	0.018359	0.296401
	0.213852	2.380705	0.018381	0.296575
SHE;SLC50A1	-0.17364	-2.37636	0.018591	0.297564
ADARB1;ENSG00000267857;COL6A1;ENSG00000268805	-0.32654	-2.37355	0.018729	0.298034
	0.2806	2.379587	0.018435	0.296836
	-0.34839	-2.37363	0.018725	0.298034
	-0.30864	-2.38183	0.018327	0.296241
	-0.38133	-2.37976	0.018427	0.296793
PSMG3;GNA12	0.438925	2.38208	0.018315	0.296241
	0.102461	2.373945	0.018709	0.29803
	0.116551	2.380819	0.018375	0.296538
TNFAIP2;EXOC3L4;ENSG00000260285	-0.28632	-2.37863	0.018481	0.29695
	0.18492	2.379354	0.018446	0.296902
PYCR2;H3F3A;ITPKB	0.222609	2.381365	0.018349	0.296325
TENC1;KRT7;CALCOCO1;GRASP	-0.23522	-2.37824	0.0185	0.297023
	0.297014	2.380031	0.018413	0.296748
	-0.19984	-2.37939	0.018444	0.296902
	-0.27456	-2.38038	0.018397	0.296634
TSPAN18	-0.24533	-2.37718	0.018552	0.297277
	0.290694	2.376679	0.018576	0.297446
	0.277844	2.376937	0.018563	0.297387
	-0.25474	-2.38143	0.018346	0.29632
	-0.2108	-2.37535	0.018641	0.297827
	-0.22041	-2.3799	0.01842	0.296764
	0.410948	2.376395	0.01859	0.297564
	-0.15877	-2.38056	0.018388	0.296612
ENSG00000213090	0.294473	2.378352	0.018495	0.296983
	0.228548	2.379853	0.018422	0.296764
ARPC3;PPTC7	0.208584	2.377607	0.018531	0.297177
	-0.29222	-2.37781	0.018521	0.297131
	0.23704	2.376926	0.018564	0.297387
	-0.21087	-2.3776	0.018531	0.297177
RN7SKP255	-0.34401	-2.37858	0.018484	0.29695
	-0.25125	-2.37931	0.018448	0.296902
	0.264204	2.377998	0.018512	0.297103
ITGAL;SPN;CORO1A;CD19;ZNF768;ZNF629;CTF1	-0.30191	-2.3777	0.018526	0.297164
	0.224288	2.378879	0.018469	0.29695
	0.230556	2.379692	0.01843	0.296807
	-0.33761	-2.3814	0.018347	0.296323
	-0.24344	-2.3766	0.01858	0.297464

MRPL27;FAM117A;ABI3;LRRC59	0.29172	2.376347	0.018592	0.297564
LARP4B	0.361078	2.378167	0.018504	0.297025
	0.321186	2.380999	0.018367	0.296475
	0.2377	2.377795	0.018522	0.297131
MIEF2	-0.26057	-2.37961	0.018434	0.296836
OSBPL3	0.437115	2.38052	0.01839	0.296625
	0.372306	2.381658	0.018335	0.29628
HIGD1A	-0.17415	-2.37783	0.01852	0.297131
RASSF1	0.365617	2.380049	0.018412	0.296745
	-0.27153	-2.37895	0.018466	0.29695
	-0.16355	-2.3762	0.018599	0.297615
ANKRD6	-0.36685	-2.37868	0.018479	0.29695
	-0.3684	-2.38194	0.018321	0.296241
LILRB4	-0.18022	-2.37749	0.018536	0.297197
RXFP1	0.28761	2.37851	0.018487	0.296956
EHD2;RASIP1;TEAD2;HRC;PLA2G4C	-0.2943	-2.37916	0.018455	0.296902
SDC4;DNMTIP1;PIGT	-0.3418	-2.37726	0.018548	0.297257
	0.154962	2.379204	0.018453	0.296902
	0.252796	2.37458	0.018678	0.297965
	0.135602	2.370879	0.01886	0.298727
	0.279008	2.377609	0.018531	0.297177
	0.338634	2.379786	0.018425	0.296788
RQCD1;TTLL4;SLC11A1;RUFY4;WNT10A;CXCR2	-0.30489	-2.37914	0.018457	0.296902
	-0.15995	-2.37911	0.018458	0.296902
	0.239221	2.374437	0.018685	0.297965
	0.235299	2.380062	0.018412	0.296745
	0.151936	2.379199	0.018454	0.296902
	-0.47485	-2.37719	0.018551	0.297277
	0.150724	2.378705	0.018477	0.29695
CD34;C1orf116;PFKFB2	-0.30687	-2.37974	0.018427	0.296793
KCTD11;ELP5;SLC16A11	-0.17232	-2.37837	0.018494	0.296983
	0.365548	2.382247	0.018307	0.296241
	0.381638	2.376947	0.018563	0.297387
	-0.32187	-2.37645	0.018587	0.297539
	0.279551	2.37829	0.018498	0.29702
	0.142354	2.380669	0.018383	0.296575
ARMC4;SVIL;MPP7	-0.38075	-2.37884	0.018471	0.29695
	0.332295	2.381594	0.018338	0.29628
SLC22A23;ENSG00000272320;SERPINB1	-0.30802	-2.37707	0.018557	0.297338
	-0.22276	-2.37757	0.018533	0.297181
	-0.16098	-2.37788	0.018517	0.297131
	0.346493	2.382313	0.018303	0.296233
	-0.24133	-2.37726	0.018548	0.297257
	0.246853	2.370513	0.018878	0.298779
	0.256916	2.375177	0.018649	0.297847
	-0.32028	-2.37778	0.018522	0.297131
KANK1;DMRT3;DOCK8	0.314575	2.37469	0.018673	0.297956

MICU3;PDGFRL	-0.27262	-2.3782	0.018502	0.297023
	0.232389	2.377949	0.018514	0.297118
	0.291812	2.374705	0.018672	0.297956
	-0.36555	-2.37948	0.01844	0.296897
	0.20231	2.377617	0.01853	0.297177
	-0.32203	-2.3794	0.018444	0.296902
	-0.28624	-2.37892	0.018467	0.29695
	0.233174	2.378448	0.01849	0.296973
	0.247064	2.379861	0.018422	0.296764
	0.205965	2.370607	0.018874	0.298779
	0.228501	2.376879	0.018566	0.297395
	0.383493	2.3796	0.018434	0.296836
FXYD3;WTIP;COX6B1;CLIP3;CAPNS1;GRAMD1A;SCN1B;NFKBID; PSENEN;ZNF792	-0.25766	-2.37543	0.018637	0.297788
	-0.29342	-2.37859	0.018483	0.29695
	0.188535	2.378629	0.018481	0.29695
	0.331137	2.37555	0.018631	0.297774
	0.176528	2.374035	0.018705	0.298
	0.228511	2.371787	0.018815	0.298553
	-0.34489	-2.37597	0.018611	0.297648
NXPH3;HOXB- AS2;HOXB3;HOXB4;PRR15L;CALCOCO2;ABI3;COPZ2;TBKBP1;LR RC46;MIR10A;TTLL6;HOXB-AS3 TMTC2	-0.22268	-2.37521	0.018647	0.297847
	0.296943	2.377898	0.018517	0.297131
	-0.1759	-2.37625	0.018597	0.297611
	-0.15198	-2.37911	0.018458	0.296902
	-0.25369	-2.37434	0.01869	0.297965
CAV1	0.401231	2.375845	0.018617	0.297705
	-0.29663	-2.37615	0.018602	0.297633
	0.297461	2.372883	0.018762	0.298244
ENSG00000234028 THBS2 ERN1;CD79B;LIMD2;ACE;METTL2A MDM4;CYB5R1;PIK3C2B	0.276265	2.374468	0.018684	0.297965
	-0.33622	-2.3765	0.018585	0.297527
	-0.4134	-2.37969	0.01843	0.296807
	-0.34353	-2.3778	0.018522	0.297131
FAM83H-AS1;EEF1D;RHPN1-AS1;GPIHBP1 GNRH2 ENSG00000203739;ZBTB37;ENSG00000231615	-0.17247	-2.3717	0.01882	0.29859
	0.223746	2.37729	0.018546	0.297257
	0.309602	2.378228	0.018501	0.297023
	-0.21423	-2.37846	0.018489	0.296973
	-0.14377	-2.3775	0.018536	0.297197
MTSS1;FER1L6-AS2;ENSG00000254000	-0.20297	-2.37818	0.018503	0.297025
	-0.39022	-2.3781	0.018507	0.297035
	0.316985	2.377632	0.01853	0.297177
GALNT5 ASB1	-0.20154	-2.3719	0.01881	0.298514
	0.234442	2.376807	0.01857	0.297406
	-0.15463	-2.37889	0.018469	0.29695
	0.35585	2.378112	0.018506	0.297035
	0.367237	2.376452	0.018587	0.297539

	-0.19367	-2.37444	0.018685	0.297965
MZB1;PCDHB14;CD14;PCDHB8	-0.30184	-2.37393	0.01871	0.29803
ATP6V0E2	-0.25419	-2.37299	0.018756	0.298235
	0.266089	2.372981	0.018757	0.298235
KIF21B	0.215194	2.379548	0.018437	0.296856
ENSG00000255443	-0.42369	-2.37378	0.018717	0.29803
SLC17A9;SLCO4A1	-0.23557	-2.37507	0.018654	0.297847
	0.185229	2.372758	0.018768	0.298244
C1QTNF1;TNRC6C;ENSG00000178404;TMC8;TIMP2;USP36;TN				
RC6C-AS1;DNAH17	-0.28118	-2.37505	0.018655	0.297847
	0.266929	2.376656	0.018577	0.297446
	0.285768	2.377775	0.018523	0.297131
	0.303181	2.37881	0.018472	0.29695
	-0.39475	-2.37943	0.018442	0.296902
SUN1	-0.30938	-2.37663	0.018578	0.297457
	0.308476	2.378358	0.018494	0.296983
	0.207007	2.372118	0.018799	0.298504
	0.13179	2.378638	0.018481	0.29695
SUN1	-0.35177	-2.37415	0.0187	0.297965
	0.243784	2.379086	0.018459	0.296902
	0.212187	2.377047	0.018558	0.297342
ENSG00000269282	-0.16471	-2.37358	0.018727	0.298034
	-0.3132	-2.37766	0.018528	0.297177
	0.199076	2.37896	0.018465	0.29695
	0.238086	2.379683	0.01843	0.296807
GRASP;ACVRL1;GALNT6;POU6F1;KRT7;DAZAP2;SLC11A2;KRT18				
;BIN2	0.267358	2.377247	0.018548	0.297257
	0.197185	2.376871	0.018567	0.297395
	-0.22054	-2.37382	0.018716	0.29803
	0.275316	2.374979	0.018659	0.297847
	0.128969	2.375114	0.018652	0.297847
SNORA74A;CTNNA1	0.144516	2.378602	0.018482	0.29695
	0.137547	2.37577	0.01862	0.297726
	0.188719	2.37572	0.018623	0.29773
	-0.2043	-2.37922	0.018452	0.296902
	0.272606	2.374279	0.018693	0.297965
	-0.19772	-2.37759	0.018532	0.297179
	-0.21692	-2.37456	0.018679	0.297965
TNFRSF1B	0.371102	2.378621	0.018482	0.29695
ENSG00000249279;ELOVL7	-0.31778	-2.36941	0.018933	0.299124
GTF3A	0.208038	2.375817	0.018618	0.29771
	0.217452	2.374713	0.018672	0.297956
MLLT4;THBS2;SMOC2;TCTE3	0.3057	2.374148	0.0187	0.297965
CLIP3;CAPNS1;CD22	-0.36818	-2.37877	0.018475	0.29695
GPR132;AHNAK2;IGHG2	-0.25077	-2.37932	0.018448	0.296902
	0.219026	2.373499	0.018731	0.298034
	0.143366	2.373769	0.018718	0.29803

TIMP2;C1QTNF1	-0.33197	-2.36789	0.019008	0.299485
	-0.23037	-2.37821	0.018502	0.297023
	-0.22977	-2.37264	0.018773	0.298319
LRP1;NAB2;ARHGEF25;RBMS2;CTDSP2;ENSG00000224713;PIP 4K2C;GLI1;PTGES3;SMARCC2;TIMELESS;NDUFA4L2	0.308242	2.378155	0.018504	0.297025
	-0.21514	-2.37603	0.018608	0.297647
	-0.18081	-2.37413	0.0187	0.297965
P2RY6	-0.27753	-2.37888	0.018469	0.29695
	0.141407	2.376101	0.018604	0.297634
	0.24908	2.37532	0.018642	0.297831
GMIP	0.314638	2.375339	0.018641	0.297827
	-0.16043	-2.37736	0.018543	0.297257
	0.277022	2.37299	0.018756	0.298235
MAD1L1	0.214336	2.377317	0.018545	0.297257
	0.33066	2.374361	0.018689	0.297965
	-0.39308	-2.37505	0.018655	0.297847
SUN1	-0.18604	-2.3738	0.018717	0.29803
	-0.29761	-2.37929	0.018449	0.296902
	HIPK2	-0.28162	-2.37686	0.018567
TOR3A	0.210069	2.371981	0.018806	0.298511
WDR45B;LRRC45	-0.48143	-2.37499	0.018659	0.297847
	0.267043	2.375478	0.018634	0.297775
	0.236232	2.374254	0.018694	0.297965
TACSTD2	0.202046	2.375707	0.018623	0.29773
	-0.30729	-2.37653	0.018583	0.297513
	RGS5	0.272701	2.37493	0.018661
NES;PEAR1;LRRC71;SYT11;HDGF;MEF2D	0.237441	2.377952	0.018514	0.297118
	-0.26227	-2.37443	0.018686	0.297965
	ITGB2	-0.12883	-2.37388	0.018712
SLC41A1	-0.29295	-2.3722	0.018795	0.298499
	0.260836	2.37538	0.018639	0.297818
	PDCD6;LPCAT1;NKD2;TRIP13;MRPL36	-0.23498	-2.3751	0.018653
GRSF1	0.277153	2.374511	0.018682	0.297965
	0.162836	2.371393	0.018835	0.298598
	-0.37593	-2.3751	0.018653	0.297847
SAMD8	0.277519	2.37864	0.018481	0.29695
	0.172414	2.372792	0.018766	0.298244
	0.345639	2.369511	0.018928	0.299124
	0.254402	2.3747	0.018673	0.297956
	0.130272	2.377455	0.018538	0.297203
	-0.45536	-2.37428	0.018693	0.297965
	-0.25847	-2.3778	0.018521	0.297131
	-0.24269	-2.37717	0.018552	0.297277
	-0.26319	-2.37241	0.018785	0.298391
	-0.29177	-2.3743	0.018692	0.297965
	0.307089	2.371866	0.018812	0.298529
	0.174419	2.37348	0.018732	0.298034

TAL1;ENSG00000226252;CYP4B1;SPATA6;STIL;ENSG00000236476;TRABD2B	-0.33723	-2.36577	0.019114	0.29986
	0.275093	2.370027	0.018902	0.298982
IL10RA	0.243191	2.375242	0.018646	0.297847
	0.149952	2.374098	0.018702	0.297965
	-0.41172	-2.37503	0.018657	0.297847
APBB2;RBM47	0.381429	2.372828	0.018764	0.298244
MATK;S1PR4	-0.28312	-2.3762	0.018599	0.297615
	-0.25531	-2.37567	0.018625	0.297737
	0.316341	2.375652	0.018626	0.29774
	0.209294	2.366308	0.019087	0.299839
	-0.25051	-2.37287	0.018762	0.298244
DOK2	0.380221	2.374466	0.018684	0.297965
TIMP2;C1QTNF1;CBX2;TNRC6C	0.182947	2.374325	0.018691	0.297965
RUNDC1;ACLY;ATP6V0A1;BECN1	-0.30115	-2.37386	0.018714	0.29803
	0.264771	2.379213	0.018453	0.296902
ADARB1;COL18A1;TRAPPC10;COL18A1-AS1;ENSG00000268805;ICOSLG	0.243825	2.374972	0.018659	0.297847
	0.133242	2.375184	0.018649	0.297847
	0.237929	2.370121	0.018898	0.298952
	-0.23264	-2.36995	0.018906	0.299003
ENSG00000232807	-0.35201	-2.36816	0.018995	0.299429
	0.261132	2.373701	0.018721	0.298034
	-0.19099	-2.37371	0.018721	0.298034
PTPN7	-0.3139	-2.37006	0.018901	0.298981
HSPB1	-0.40845	-2.37601	0.018609	0.297648
MIPOL1;PAX9	0.35069	2.376087	0.018605	0.297634
	-0.39857	-2.37446	0.018684	0.297965
	-0.62605	-2.37199	0.018806	0.298511
	-0.15956	-2.37133	0.018838	0.298598
ARRDC4	0.194848	2.37196	0.018807	0.298511
GEMIN4;SLC43A2;NXN	-0.1735	-2.37096	0.018856	0.298715
	-0.17286	-2.37671	0.018574	0.297446
ENSG00000267053;DMKN	-0.35241	-2.37731	0.018545	0.297257
	0.261526	2.374213	0.018696	0.297965
	-0.15381	-2.37051	0.018878	0.298779
	-0.21086	-2.3715	0.01883	0.29859
	-0.16969	-2.37317	0.018747	0.298197
	-0.35855	-2.37211	0.0188	0.298504
	0.271312	2.37447	0.018684	0.297965
	-0.39323	-2.37551	0.018633	0.297774
PPP1R12B;ELF3;CSRP1;LMOD1;TIMM17A;LGR6;RNPEP;UBE2T;C1orf106	-0.20249	-2.37301	0.018755	0.298235
	0.264277	2.373705	0.018721	0.298034
ROR2;SPTLC1	-0.22986	-2.37553	0.018632	0.297774
	0.166108	2.376739	0.018573	0.297446
	-0.34658	-2.37584	0.018617	0.297705

	0.301423	2.377242	0.018549	0.297257
	-0.21699	-2.37305	0.018753	0.298235
	0.273212	2.375509	0.018633	0.297774
FGD5;FBLN2	-0.26382	-2.36981	0.018913	0.299041
RPL41;CD63	0.322793	2.37672	0.018574	0.297446
	0.274386	2.373489	0.018732	0.298034
MRAS	-0.347	-2.37398	0.018708	0.298028
	0.297768	2.371499	0.01883	0.29859
	0.203735	2.371354	0.018837	0.298598
	-0.20941	-2.37746	0.018538	0.297203
	0.216883	2.372467	0.018782	0.29837
	0.293531	2.372801	0.018766	0.298244
ENSG00000259065	-0.23687	-2.37257	0.018777	0.298342
	-0.1919	-2.36968	0.018919	0.299085
	-0.26075	-2.37574	0.018622	0.29773
	-0.31557	-2.36888	0.018959	0.299247
	-0.27925	-2.37368	0.018723	0.298034
	0.322914	2.376245	0.018597	0.297611
CMTR1	-0.17534	-2.37016	0.018896	0.298932
TSPAN4;TALDO1;ATHL1;PKP3;ENSG00000251661;BRSK2	-0.1851	-2.37464	0.018675	0.297965
	-0.18578	-2.37054	0.018877	0.298779
IFT20;TIAF1	-0.25716	-2.37488	0.018664	0.297886
	0.170554	2.374929	0.018661	0.297858
	-0.32507	-2.37482	0.018666	0.297918
	0.194283	2.372966	0.018757	0.298235
	-0.4217	-2.3763	0.018594	0.297587
GCNT1P1;PCSK2;DZANK1	0.132636	2.370076	0.0189	0.298977
	0.166448	2.375211	0.018648	0.297847
	-0.26925	-2.37207	0.018802	0.298511
	-0.25088	-2.37419	0.018698	0.297965
GIMAP8;GIMAP5	-0.20306	-2.37572	0.018623	0.29773
	0.359751	2.374229	0.018696	0.297965
TVP23B;SNORD3A;FAM83G	-0.28997	-2.37577	0.01862	0.297726
GRID1	-0.29541	-2.37681	0.018569	0.297406
	0.345465	2.375433	0.018637	0.297788
RNF166	0.410826	2.376687	0.018575	0.297446
	-0.16643	-2.37476	0.018669	0.297943
RPL41P1	0.415866	2.375205	0.018648	0.297847
	-0.30494	-2.3716	0.018825	0.29859
	0.239652	2.37149	0.01883	0.29859
	0.173675	2.37604	0.018607	0.297647
	-0.2068	-2.36941	0.018933	0.299124
	-0.26076	-2.36849	0.018979	0.299275
	0.219117	2.373151	0.018748	0.298197
	0.288714	2.375014	0.018657	0.297847
ICT1	-0.21145	-2.37597	0.018611	0.297648
	-0.18972	-2.37384	0.018715	0.29803



ARID4B	0.244756	2.376384	0.01859	0.297564
	-0.19463	-2.36614	0.019096	0.29986
	-0.1558	-2.37558	0.018629	0.297773
	-0.21502	-2.37413	0.0187	0.297965
	0.26584	2.374127	0.018701	0.297965
	0.192296	2.373554	0.018729	0.298034
	0.169709	2.36954	0.018926	0.299124
	0.119024	2.374113	0.018701	0.297965
	-0.14439	-2.37074	0.018867	0.298737
	0.266173	2.373578	0.018727	0.298034
PLEKHG4	0.258762	2.371652	0.018822	0.29859
	-0.20997	-2.37131	0.018839	0.298598
	-0.27922	-2.36902	0.018952	0.29921
TXNDC12;SCP2	0.289373	2.373824	0.018715	0.29803
	0.209535	2.373654	0.018724	0.298034
	-0.42061	-2.37353	0.01873	0.298034
	-0.31737	-2.36977	0.018915	0.299046
C10orf128	-0.24478	-2.37131	0.018839	0.298598
	-0.2819	-2.37145	0.018832	0.298597
	-0.21083	-2.37351	0.018731	0.298034
MYEF2	0.261736	2.372135	0.018798	0.298504
ATP6V0B	-0.29133	-2.37316	0.018748	0.298197
	0.208784	2.374214	0.018696	0.297965
PLEKHA7	0.246648	2.371654	0.018822	0.29859
	0.254325	2.373147	0.018749	0.298197
	-0.2395	-2.3751	0.018653	0.297847
	0.309055	2.372759	0.018768	0.298244
EPB41L5	0.251469	2.368956	0.018955	0.299233
	0.240666	2.369914	0.018908	0.299003
	0.323409	2.374989	0.018658	0.297847
TTYH2;UNC13D;SLC16A5;FDXR;ICT1;SLC9A3R1;MRPS7;GPRC5C ;SMIM6;SMIM5;ENSG00000264853;HN1	-0.2633	-2.37193	0.018809	0.298511
	-0.29067	-2.37235	0.018788	0.298409
	0.312675	2.37432	0.018691	0.297965
	0.267717	2.371299	0.01884	0.298598
RMRP	-0.1522	-2.37248	0.018781	0.29837
	-0.1496	-2.3738	0.018717	0.29803
	0.126855	2.371779	0.018816	0.298553
DAXX	0.17147	2.368721	0.018967	0.299275
	-0.1476	-2.37326	0.018743	0.298161
	-0.1623	-2.37078	0.018865	0.298737
	-0.37684	-2.37308	0.018752	0.298235
	-0.14991	-2.37376	0.018719	0.29803
	0.276252	2.372509	0.01878	0.29837
	-0.16855	-2.36733	0.019036	0.299602
	0.259241	2.368843	0.018961	0.299256
	0.260613	2.375166	0.01865	0.297847

SACS;SPATA13;PARP4 ANKDD1B	-0.27735	-2.37433	0.018691	0.297965
	-0.26508	-2.37458	0.018678	0.297965
	0.161014	2.370323	0.018888	0.298861
	0.256705	2.373144	0.018749	0.298197
	-0.17176	-2.37202	0.018804	0.298511
ENSG00000235505;CASP12;PDGFD	0.329121	2.372432	0.018784	0.298386
	-0.36175	-2.37409	0.018702	0.297965
	0.184442	2.369109	0.018948	0.29921
	0.160289	2.371831	0.018813	0.298545
	0.198576	2.372186	0.018796	0.298501
CYS1;KLF11	-0.26904	-2.37376	0.018719	0.29803
	-0.15473	-2.37192	0.018809	0.298511
	0.178286	2.368908	0.018958	0.299247
	0.311141	2.372631	0.018774	0.298319
	-0.17111	-2.36996	0.018906	0.299003
SEMA7A;SNX33 APOL1;APOL2;IL2RB	-0.21863	-2.37261	0.018775	0.298328
	0.175952	2.374385	0.018688	0.297965
	-0.14496	-2.37103	0.018853	0.29871
	-0.14029	-2.37045	0.018881	0.298794
	-0.23016	-2.37447	0.018684	0.297965
USP43;PIK3R6;CTC1;PIK3R5	-0.29375	-2.37216	0.018797	0.298502
	0.231238	2.372839	0.018764	0.298244
	0.254837	2.373757	0.018719	0.29803
	0.217541	2.372483	0.018781	0.29837
	-0.17824	-2.37137	0.018836	0.298598
COL4A2;COL4A1;RAB20	0.320037	2.373946	0.018709	0.29803
	-0.2308	-2.36978	0.018914	0.299046
	0.406564	2.370513	0.018878	0.298779
	-0.26144	-2.37513	0.018651	0.297847
	0.250242	2.369919	0.018908	0.299003
MAP3K13;LIPH;EHHADH;DGKG;C3orf70	-0.39955	-2.36683	0.019061	0.299629
	0.183585	2.369087	0.018949	0.29921
	0.445346	2.376222	0.018598	0.297615
	0.237722	2.371487	0.01883	0.29859
	0.353289	2.370717	0.018868	0.298737
RIPK3 MRPL14;HSP90AB1;POLR1C;PEX6;RSPH9;DNPH1;MAD2L1BP;T CTE1;RPL7L1;CDC5L;YIPF3;RRP36;LRRC73	-0.2793	-2.37202	0.018804	0.298511
	0.131961	2.371934	0.018808	0.298511
	-0.19803	-2.37119	0.018845	0.298629
	0.17778	2.372774	0.018767	0.298244
	-0.15014	-2.37125	0.018842	0.298602
	0.286383	2.37518	0.018649	0.297847
	-0.2724	-2.37351	0.018731	0.298034
	-0.29447	-2.37207	0.018802	0.298511
	-0.2092	-2.36755	0.019025	0.299602
	-0.28823	-2.37306	0.018753	0.298235
	0.214602	2.368559	0.018975	0.299275

BCL11B;EVL;WARS;DEGS2	-0.44937	-2.36986	0.01891	0.299033
	0.253567	2.370798	0.018864	0.298737
	-0.1694	-2.36722	0.019041	0.299602
	0.313013	2.370527	0.018878	0.298779
	0.321061	2.3709	0.018859	0.298727
ADCY5;KALRN;MYLK SLC35B3;BMP6	0.207705	2.37129	0.01884	0.298598
	0.239545	2.372818	0.018765	0.298244
	-0.26352	-2.37066	0.018871	0.29876
	-0.22983	-2.37524	0.018646	0.297847
	-0.18055	-2.37141	0.018834	0.298598
ACP5;DOCK6;KANK2;ZNF44	-0.31883	-2.36575	0.019115	0.29986
	-0.3006	-2.37095	0.018857	0.298715
	0.262595	2.368347	0.018986	0.299334
	0.180024	2.371001	0.018854	0.298715
	-0.39372	-2.37216	0.018797	0.298502
ADORA2B;TRIM16;MPRIIP;TRPV2;NT5M;UBB;CDRT1	-0.26265	-2.36724	0.01904	0.299602
	-0.13872	-2.36949	0.018929	0.299124
	0.393094	2.369961	0.018906	0.299003
	0.254316	2.367148	0.019045	0.299602
	-0.19665	-2.37111	0.018849	0.298674
C15orf26	-0.35398	-2.37255	0.018778	0.298346
	0.264419	2.370419	0.018883	0.298797
	-0.42724	-2.36878	0.018964	0.299275
	0.244901	2.374293	0.018692	0.297965
	-0.34961	-2.36961	0.018923	0.299122
ZBED3	0.269795	2.370973	0.018856	0.298715
	0.316368	2.371808	0.018814	0.298552
	0.127543	2.370572	0.018875	0.298779
	0.289376	2.371574	0.018826	0.29859
	0.173374	2.371263	0.018841	0.298602
GIMAP7;GIMAP5;GIMAP2;LINC00996	0.268547	2.360754	0.019366	0.301147
	-0.25501	-2.36655	0.019075	0.299759
	-0.26045	-2.37045	0.018881	0.298794
	-0.30787	-2.36747	0.019029	0.299602
	0.329219	2.372777	0.018767	0.298244
FCHSD2;ARAP1	-0.28177	-2.37077	0.018866	0.298737
	0.146704	2.370707	0.018869	0.298737
	-0.26485	-2.37019	0.018894	0.298922
	0.247311	2.369284	0.018939	0.299164
	-0.18429	-2.3686	0.018973	0.299275
KCNMB2 ENSG00000226321;ENSG00000223991;PASK;PPP1R7 JAKMIP1	0.352544	2.371498	0.01883	0.29859
	0.263256	2.37056	0.018876	0.298779
	-0.1646	-2.36687	0.019059	0.299629
	-0.16321	-2.36736	0.019035	0.299602
	-0.27963	-2.36946	0.01893	0.299124
CPNE5;PI16 TIE1;PTPRF;SLC2A1;ERI3;EBNA1BP2;SLC6A9;TMEM53;SNORD4 6;CDC20;CCDC24;C1orf210	-0.36858	-2.36591	0.019107	0.29986

	0.254331	2.365781	0.019113	0.29986
	-0.17535	-2.36906	0.01895	0.29921
RAB6B	0.271552	2.371186	0.018845	0.298629
CATSPERB;TC2N;ENSG00000268657;NDUFB1	0.229144	2.37379	0.018717	0.29803
	0.286547	2.370795	0.018864	0.298737
	0.152247	2.367831	0.019011	0.299485
	0.281982	2.372757	0.018768	0.298244
	0.193084	2.370304	0.018889	0.298864
	0.223701	2.374367	0.018689	0.297965
	-0.22587	-2.36916	0.018945	0.29921
C14orf79;AHNAK2;IGHG1;IGHG2;GPR132;IGHG4;IGHA1;ADSSL1;IGHA2;IGHG3	-0.34815	-2.36868	0.018969	0.299275
	-0.20848	-2.37326	0.018743	0.298161
USP43;LINC00675;MYH3	0.231627	2.366096	0.019098	0.29986
	0.351345	2.371282	0.01884	0.298598
	0.267352	2.368326	0.018987	0.29934
	0.30172	2.369553	0.018926	0.299124
	0.265392	2.37044	0.018882	0.298794
	0.29183	2.368734	0.018966	0.299275
	0.299684	2.368082	0.018999	0.299453
LINC00964	-0.2969	-2.36682	0.019062	0.299629
	0.160396	2.365906	0.019107	0.29986
	-0.25647	-2.37196	0.018807	0.298511
	0.175281	2.365072	0.019149	0.299949
	-0.2922	-2.37355	0.018729	0.298034
KIAA1731	-0.30812	-2.37201	0.018805	0.298511
	-0.41613	-2.37093	0.018858	0.298715
SH3BP4	0.271242	2.37285	0.018763	0.298244
	-0.23811	-2.37148	0.018831	0.29859
C3orf52;PHLDB2;GCSAM;ENSG00000261488;ABHD10	-0.30899	-2.36597	0.019104	0.29986
	-0.30665	-2.36779	0.019013	0.299496
	-0.14085	-2.36204	0.019301	0.300845
TBC1D10C;SYT12	0.319608	2.372372	0.018787	0.2984
	0.209991	2.36947	0.01893	0.299124
DENND3	-0.20717	-2.36712	0.019047	0.299602
	0.227911	2.365205	0.019142	0.299949
CAB39;PSMD1;TRIP12	0.183486	2.366839	0.019061	0.299629
	0.294355	2.371582	0.018826	0.29859
	-0.30832	-2.3717	0.01882	0.29859
	0.198639	2.36981	0.018913	0.299041
TMEM204;HN1L;UNKL;PDPK1;FLYWCH1;SRRM2	-0.37766	-2.37223	0.018794	0.298488
	0.202575	2.372392	0.018786	0.298395
EFNB2	0.339743	2.373011	0.018755	0.298235
SH2D2A	-0.38732	-2.37336	0.018738	0.298102
NPR1;ATP8B2;JTB;GATAD2B;S100A8;CREB3L4;S100A9;S100A6;				
C1orf43	-0.33886	-2.36825	0.01899	0.299388
ARHGEF10	0.251634	2.371557	0.018827	0.29859

HES2;CAMTA1;THAP3	-0.47357	-2.37201	0.018805	0.298511
	0.148138	2.371061	0.018851	0.298704
	-0.45996	-2.36694	0.019055	0.299618
	-0.26347	-2.37276	0.018768	0.298244
	0.236883	2.366416	0.019082	0.299798
HLA-A;MDC1;HLA-B;HLA-C;OR2I1P;GABBR1 FUOM;ADAM8	-0.37478	-2.37024	0.018892	0.298894
	-0.33769	-2.37082	0.018863	0.298737
	-0.23215	-2.37044	0.018882	0.298794
	0.30021	2.368019	0.019002	0.299471
	0.211771	2.368484	0.018979	0.299275
ESR1;C6orf211	0.378081	2.371588	0.018825	0.29859
	-0.287	-2.36841	0.018982	0.299296
	-0.26106	-2.36812	0.018997	0.299435
	-0.31525	-2.36939	0.018934	0.299125
	0.196618	2.369015	0.018952	0.29921
KANK1 SMG5	0.331987	2.367266	0.019039	0.299602
	-0.18797	-2.36944	0.018932	0.299124
	-0.28891	-2.37104	0.018852	0.29871
MRE11A EFCAB7 MYH14;ENSG00000167765;VRK3	0.160251	2.365003	0.019152	0.299959
	-0.34934	-2.36677	0.019064	0.299653
	-0.3352	-2.37166	0.018822	0.29859
TSTA3	-0.25414	-2.3714	0.018834	0.298598
	0.234036	2.367617	0.019022	0.299597
	0.219513	2.369937	0.018907	0.299003
	0.236741	2.369292	0.018939	0.299164
	-0.17483	-2.36725	0.01904	0.299602
NID2	0.199134	2.367445	0.01903	0.299602
	-0.17113	-2.36502	0.019151	0.299959
	0.238762	2.369025	0.018952	0.29921
	-0.33771	-2.36851	0.018978	0.299275
	0.330514	2.366238	0.019091	0.29986
ARHGEF10	-0.25217	-2.37129	0.01884	0.298598
	0.261407	2.367132	0.019046	0.299602
	0.316887	2.366463	0.019079	0.299795
	0.203027	2.364134	0.019196	0.300345
	0.228192	2.36851	0.018978	0.299275
ACSM1	-0.19182	-2.36671	0.019067	0.299675
	0.318665	2.366957	0.019055	0.299618
	-0.28054	-2.36582	0.019111	0.29986
	-0.2808	-2.36581	0.019112	0.29986
	0.115474	2.365831	0.019111	0.29986
CD74	-0.20316	-2.36309	0.019248	0.300501
	-0.29147	-2.36952	0.018927	0.299124
	0.1592	2.367862	0.01901	0.299485
TSPAN4;IGF2;MOB2;MRPL23;ENSG00000251661;TALDO1;DEA F1;LRRC56;PHRF1	-0.17872	-2.36925	0.018941	0.299179
	-0.29329	-2.36613	0.019096	0.29986

	0.2633	2.368821	0.018962	0.299261
SHE;ATP8B2;DENND4B;SNAPIN;S100A6;TDRD10	-0.31274	-2.36802	0.019002	0.299471
MAGI2;MAGI2-AS3	0.351352	2.370715	0.018868	0.298737
	-0.15331	-2.36689	0.019058	0.299629
	0.215305	2.369509	0.018928	0.299124
PLVAP;B3GNT3	0.259167	2.367325	0.019036	0.299602
TMEM254	-0.28869	-2.36909	0.018949	0.29921
	0.310064	2.367839	0.019011	0.299485
	0.263572	2.368639	0.018971	0.299275
	0.180706	2.365683	0.019118	0.29986
SLC37A1;PDE9A;CSTB;ENSG00000225431;TMPRSS3;RSPH1;C21orf128;TFF3	-0.48148	-2.37148	0.018831	0.29859
	-0.14915	-2.36715	0.019045	0.299602
	0.288582	2.368587	0.018974	0.299275
	0.342217	2.370269	0.01889	0.298881
	-0.20995	-2.36848	0.018979	0.299275
ENSG00000251603	-0.2988	-2.37079	0.018864	0.298737
	0.190759	2.369847	0.018911	0.299034
ARRDC2;JAK3;MAP1S	0.366974	2.363594	0.019223	0.300458
	0.257291	2.368668	0.01897	0.299275
	0.32041	2.367288	0.019038	0.299602
ENSG00000267262	-0.16808	-2.36517	0.019144	0.299949
	0.281978	2.367972	0.019004	0.299485
IRF1	0.240456	2.370625	0.018873	0.298779
	-0.17547	-2.36044	0.019382	0.301147
	-0.2243	-2.36902	0.018952	0.29921
LINC01121	0.326981	2.366372	0.019084	0.299822
	0.321245	2.370876	0.01886	0.298727
SLC2A5	-0.19525	-2.36475	0.019165	0.300082
	0.265894	2.367099	0.019048	0.299602
	0.296054	2.364605	0.019172	0.300158
	-0.22095	-2.36931	0.018938	0.299163
	0.200865	2.369173	0.018945	0.29921
	-0.1794	-2.36906	0.01895	0.29921
	0.306928	2.365639	0.01912	0.29986
OGG1;LMCD1;CAMK1;SRGAP3-AS2	0.276224	2.362075	0.019299	0.300845
PXDN;SNTG2;TPO	0.233824	2.370942	0.018857	0.298715
	-0.26702	-2.36909	0.018949	0.29921
	0.324523	2.367816	0.019012	0.299485
	0.178973	2.368464	0.01898	0.299276
	0.288343	2.367912	0.019007	0.299485
	-0.21715	-2.36739	0.019033	0.299602
	0.253691	2.367199	0.019043	0.299602
	-0.1761	-2.36735	0.019035	0.299602
	-0.23104	-2.36937	0.018935	0.299127
	-0.35433	-2.36754	0.019026	0.299602
	0.14752	2.363426	0.019231	0.300501

ENSG00000250698	-0.18529	-2.36561	0.019122	0.29986
	-0.21384	-2.36598	0.019104	0.29986
	0.251479	2.369626	0.018922	0.299118
	-0.13533	-2.36071	0.019368	0.301147
RNU2-59P;SNORA12;BLOC1S2;MRPL43	0.282266	2.36799	0.019003	0.299481
	-0.20423	-2.36945	0.018931	0.299124
	-0.14235	-2.36672	0.019066	0.299675
NEUROD2	0.321657	2.369445	0.018931	0.299124
	-0.25203	-2.36953	0.018927	0.299124
COQ5;DYNLL1;DYNLL1-AS1;P2RX7;CCDC60	0.29987	2.36893	0.018957	0.299242
	-0.65854	-2.36459	0.019173	0.300158
DOC2B;C17orf97;INPP5K;TLCD2	-0.30559	-2.37003	0.018902	0.298982
	0.18994	2.370741	0.018867	0.298737
	0.190249	2.365128	0.019146	0.299949
MORN1	0.680351	2.368642	0.018971	0.299275
ENSG00000238120;FBLN1;NUP50;ENSG00000226328;ENSG0000230922;PARVB	-0.34359	-2.36698	0.019053	0.299618
	0.322007	2.366323	0.019086	0.299839
	0.237714	2.369066	0.01895	0.29921
PLAC8	-0.35262	-2.36757	0.019024	0.299602
	-0.31418	-2.36132	0.019337	0.300983
CYB5D1;DNAH2;TMEM107;WRAP53;EFNB3;KCTD11;NLGN2;CTC1	-0.22611	-2.36856	0.018975	0.299275
	0.248953	2.367096	0.019048	0.299602
	-0.2833	-2.36423	0.019191	0.300344
NEURL1B;STC2;RPL26L1	0.242202	2.3652	0.019142	0.299949
	0.226906	2.368893	0.018959	0.299247
	0.156813	2.369694	0.018919	0.299085
	0.17567	2.366437	0.019081	0.299798
	0.126445	2.367848	0.01901	0.299485
	0.316266	2.366627	0.019071	0.299732
	0.242202	2.3652	0.019142	0.299949
CCDC74A;GPR39;NCKAP5;ENSG00000213222;C2orf27A;TUBA3D	-0.28744	-2.36148	0.019329	0.300983
	-0.19868	-2.36877	0.018965	0.299275
	0.181638	2.368155	0.018995	0.299429
	0.206074	2.367423	0.019032	0.299602
	0.15873	2.36493	0.019156	0.299984
	-0.27325	-2.36795	0.019005	0.299485
	0.246353	2.366317	0.019087	0.299839
	0.284244	2.369761	0.018916	0.299046
	0.150533	2.364658	0.01917	0.300131
	-0.24626	-2.36848	0.018979	0.299275
	0.259336	2.368975	0.018954	0.299229
	-0.22534	-2.36903	0.018952	0.29921
	-0.20994	-2.36283	0.019261	0.300598
TRAF3IP1;HES6;RAB17;ENSG00000232306	0.181455	2.366598	0.019073	0.299744
	0.134193	2.367751	0.019015	0.299514
TRPM2;ITGB2				

	0.323217	2.365539	0.019125	0.299869
	0.2735	2.368864	0.01896	0.29925
	0.197201	2.360875	0.01936	0.301124
PFKFB2;CD34;DYRK3	-0.37059	-2.36524	0.01914	0.299949
SSU72	-0.24236	-2.36144	0.019331	0.300983
OARD1;C6orf132;ENSG00000261068	-0.23822	-2.36177	0.019314	0.300937
	-0.22859	-2.36812	0.018997	0.299435
	0.164277	2.367927	0.019006	0.299485
	0.198853	2.365291	0.019138	0.299949
	0.153581	2.365568	0.019124	0.29986
	0.314197	2.365729	0.019116	0.29986
GSKIP	-0.21448	-2.36844	0.018981	0.29928
LRBA	0.33091	2.367513	0.019027	0.299602
	-0.13698	-2.36869	0.018968	0.299275
	-0.16999	-2.36518	0.019143	0.299949
	-0.25783	-2.36741	0.019032	0.299602
PDE2A;C2CD3;STARD10;UCP2;DNAJB13;PPME1;ARHGEF17;FCHSD2;MRPL48	0.205064	2.36284	0.019261	0.300598
	-0.16826	-2.36564	0.019121	0.29986
	0.315901	2.367718	0.019017	0.299528
	-0.69253	-2.36724	0.019041	0.299602
GOLGA3	0.193187	2.366063	0.019099	0.29986
	0.264035	2.360396	0.019384	0.301147
	-0.19644	-2.35978	0.019415	0.301261
	-0.27934	-2.36361	0.019222	0.300458
	-0.15053	-2.36149	0.019329	0.300983
ZNF503-AS2	-0.34722	-2.36697	0.019054	0.299618
	-0.18415	-2.36536	0.019135	0.299949
	0.243615	2.36618	0.019093	0.29986
CHCHD3;EXOC4	-0.34985	-2.36862	0.018972	0.299275
	-0.15754	-2.36069	0.019369	0.301147
	0.20669	2.362956	0.019255	0.300543
	-0.2863	-2.36873	0.018967	0.299275
	-0.33291	-2.36271	0.019267	0.300661
	0.269934	2.366229	0.019091	0.29986
	0.227435	2.367881	0.019009	0.299485
HES6;TRAF3IP1	0.269303	2.363957	0.019205	0.300395
	0.274456	2.367537	0.019026	0.299602
	0.279811	2.365191	0.019143	0.299949
	0.254148	2.363534	0.019226	0.300484
DMKN;ENSG00000267439;ZNF599	-0.24555	-2.36521	0.019142	0.299949
	0.237821	2.368558	0.018975	0.299275
APBB2;RBM47;UGDH;SMIM14;RHOH	-0.35902	-2.36148	0.019329	0.300983
	0.3127	2.367061	0.01905	0.299602
	-0.16716	-2.36057	0.019375	0.301147
EPAS1	0.236555	2.368512	0.018977	0.299275
	0.320238	2.366533	0.019076	0.299759



MEG3;YY1	0.262677	2.367369	0.019034	0.299602
	-0.17176	-2.36195	0.019305	0.30089
	0.304013	2.367934	0.019006	0.299485
	0.277224	2.365954	0.019105	0.29986
	0.25598	2.365467	0.019129	0.299915
	0.24643	2.366845	0.01906	0.299629
	0.238968	2.363716	0.019217	0.300458
	0.199932	2.367276	0.019039	0.299602
	-0.36524	-2.36703	0.019051	0.299613
	0.273753	2.360544	0.019376	0.301147
PHLDB1;FXVD2;MPZL3;DSCAML1;IFT46;ENSG00000254851	0.201228	2.361677	0.019319	0.300976
CYBA	-0.38529	-2.36508	0.019149	0.299949
BCL6B;TNFSF12;ARHGEF15;KCTD11;CLDN7;CTC1;SLC16A13;NL				
GN2;CYB5D1;WRAP53;ATP1B2;ACAP1;MYH10;MPDU1;SLC2A4;				
ALOX12P2;VAMP2;ENSG00000270606	-0.30661	-2.36714	0.019045	0.299602
TIE1;PTPRF;EBNA1BP2;ERI3;SLC2A1;C1orf210;ELOVL1;TMEM1				
25;ST3GAL3	-0.28666	-2.36559	0.019123	0.29986
	0.30595	2.363342	0.019235	0.300501
CDH24	0.300396	2.368156	0.018995	0.299429
CPXM2	0.28561	2.36437	0.019184	0.300268
	-0.39404	-2.36332	0.019237	0.300501
	0.285358	2.365652	0.01912	0.29986
KHDRBS3	0.278406	2.363111	0.019247	0.300501
ENSG00000250803;ENSG00000247311;PRDM6	0.180499	2.362449	0.01928	0.300732
	0.227435	2.367361	0.019035	0.299602
	0.241497	2.365802	0.019112	0.29986
KMT2A;MCAM;PHLDB1;MPZL3;UBE4A;CBL;ATP5L;TRAPPC4;BC				
L9L;TREH;IFT46;ARCN1;SLC37A4;CCDC84;DPAGT1	-0.31509	-2.36529	0.019138	0.299949
VIM-AS1	-0.32355	-2.36045	0.019381	0.301147
	0.198049	2.363623	0.019221	0.300458
FAM185A	0.260844	2.358171	0.019497	0.301759
HLA-F;HCP5;PPP1R18;HLA-E;PPP1R10	0.359374	2.366986	0.019053	0.299618
	0.1665	2.36324	0.019241	0.300501
RNF223	0.351346	2.365852	0.01911	0.29986
	0.209388	2.364069	0.019199	0.300348
	-0.15473	-2.36804	0.019001	0.299471
	0.208971	2.365121	0.019146	0.299949
SPN;ITGAL;PHKG2;CORO1A;DOC2A	0.334433	2.367063	0.019049	0.299602
EFCAB4B	0.236711	2.360924	0.019357	0.301101
	-0.31226	-2.36509	0.019148	0.299949
COL5A1;CAMSAP1;OLFM1;UBAC1;C9orf116	-0.38614	-2.36485	0.01916	0.300023
IQCA1	-0.35607	-2.36315	0.019245	0.300501
	-0.212	-2.36358	0.019223	0.300458
	0.186284	2.367464	0.019029	0.299602
	-0.19999	-2.36236	0.019285	0.300782
	0.251392	2.365643	0.01912	0.29986

NLK;WSB1;IFT20	-0.1915	-2.36315	0.019245	0.300501
	-0.21636	-2.36438	0.019183	0.300268
	-0.2329	-2.36417	0.019194	0.300345
	0.23414	2.366523	0.019076	0.299759
	-0.1789	-2.36421	0.019192	0.300345
	0.267649	2.365584	0.019123	0.29986
COL5A1;OLFM1;CAMSAP1;LINC00094;PPP1R26-AS1;ENSG00000233936;PPP1R26;C9orf116	0.140629	2.363698	0.019218	0.300458
	0.312013	2.360141	0.019397	0.301193
RNF32	-0.14607	-2.36028	0.01939	0.301147
	0.205034	2.361772	0.019315	0.300937
	0.260639	2.365753	0.019115	0.29986
	-0.3986	-2.36701	0.019052	0.299618
COL6A3;RAB17;HES6;RBM44;IQCA1;FAM132B;MLPH	-0.24504	-2.36751	0.019027	0.299602
	0.307493	2.363249	0.01924	0.300501
	0.243607	2.361411	0.019333	0.300983
	0.124171	2.361375	0.019334	0.300983
	0.155388	2.365659	0.019119	0.29986
	-0.12167	-2.36107	0.01935	0.30106
	-0.16431	-2.36617	0.019094	0.29986
	-0.1645	-2.36605	0.0191	0.29986
	0.268	2.365178	0.019143	0.299949
	0.219285	2.364959	0.019154	0.299971
	0.164735	2.363402	0.019232	0.300501
	0.143355	2.361877	0.019309	0.300922
	0.231699	2.363768	0.019214	0.300458
	-0.26858	-2.36719	0.019043	0.299602
	0.216927	2.36162	0.019322	0.300983
	-0.20861	-2.36059	0.019374	0.301147
	-0.44757	-2.36557	0.019124	0.29986
TBC1D9B	-0.24774	-2.36261	0.019272	0.300679
	-0.27472	-2.36365	0.01922	0.300458
ELMSAN1;DNAL1;PNMA1 DHX16	0.224333	2.365107	0.019147	0.299949
	-0.3843	-2.36711	0.019047	0.299602
	0.184474	2.36582	0.019111	0.29986
	0.204012	2.366531	0.019076	0.299759
	0.24435	2.365566	0.019124	0.29986
	0.170556	2.365127	0.019146	0.299949
	0.27201	2.366417	0.019082	0.299798
	0.212308	2.36449	0.019178	0.300229
	-0.19644	-2.3634	0.019233	0.300501
	0.330816	2.362194	0.019293	0.300789
	0.201479	2.36387	0.019209	0.30043
	0.376828	2.365004	0.019152	0.299959
	0.253205	2.35949	0.01943	0.301398
	-0.18657	-2.36187	0.019309	0.300922
GABBR1;MDC1	0.421779	2.364177	0.019194	0.300345

RABGAP1L;TNN	-0.24908	-2.36327	0.019239	0.300501
FAM120AOS	0.252584	2.363218	0.019242	0.300501
MAPRE3;EMILIN1;IFT172;KHK;DRC1	0.226673	2.365097	0.019148	0.299949
	0.323768	2.36523	0.019141	0.299949
	0.210812	2.363286	0.019238	0.300501
	0.14108	2.365102	0.019147	0.299949
MBOAT7;LILRA1;LILRB2	-0.29829	-2.36134	0.019336	0.300983
	0.179988	2.367203	0.019042	0.299602
	0.310332	2.365643	0.01912	0.29986
PTPRN2;ENSG00000231980	-0.32178	-2.36265	0.01927	0.300668
	0.522934	2.360299	0.019389	0.301147
ENSG00000257221;UBE3B;ATP2A2	-0.39351	-2.36592	0.019107	0.29986
	0.213453	2.363722	0.019216	0.300458
	-0.48934	-2.36618	0.019093	0.29986
ZNF415	0.288604	2.365322	0.019136	0.299949
SH2D3C;GARNL3;ENG	-0.18453	-2.36499	0.019153	0.299959
	0.178734	2.366838	0.019061	0.299629
	0.218687	2.366815	0.019062	0.299629
	0.169919	2.361872	0.019309	0.300922
OLFML1;EIF3F	-0.28344	-2.35826	0.019492	0.301759
	-0.1388	-2.36485	0.01916	0.300023
	-0.26196	-2.36384	0.01921	0.30044
	-0.23992	-2.36278	0.019263	0.300611
MYO1F;CERS4;PRAM1;CTXN1;ENSG00000263264;SNAPC2	-0.41304	-2.35485	0.019666	0.302563
	0.23308	2.362479	0.019279	0.300731
	0.280855	2.364124	0.019196	0.300345
	-0.20079	-2.3569	0.019561	0.302141
	0.162706	2.363453	0.01923	0.300501
	-0.26135	-2.35894	0.019457	0.301639
SCARB1;LINC00939	0.30148	2.363253	0.01924	0.300501
PIK3R5;SLC16A13;EFNB3	-0.3392	-2.35775	0.019518	0.301893
	0.314122	2.354974	0.01966	0.302563
TGFBR3	0.292142	2.359034	0.019453	0.301618
	0.308375	2.365715	0.019117	0.29986
	0.380831	2.357991	0.019506	0.301825
	0.142095	2.363177	0.019244	0.300501
	0.314475	2.364096	0.019198	0.300348
	-0.23361	-2.36588	0.019108	0.29986
	-0.30074	-2.36557	0.019124	0.29986
	0.191715	2.362673	0.019269	0.300668
	0.197638	2.355097	0.019653	0.302511
PRKCE	-0.23869	-2.36222	0.019292	0.300789
MRVI1;AMPD3;WEE1;ENSG00000254865;RNF141;CTR9	-0.35642	-2.36065	0.019371	0.301147
	-0.28952	-2.3605	0.019379	0.301147
	-0.20655	-2.36429	0.019188	0.300312
	0.182896	2.361463	0.01933	0.300983

	-0.21322	-2.36585	0.01911	0.29986
	-0.23481	-2.36481	0.019162	0.300046
	0.195895	2.359189	0.019445	0.301561
	0.223223	2.362274	0.019289	0.300789
AZIN1;ENSG00000247081;BAALC;CTHRC1;DCAF13;ENSG00000246263;FZD6;RRM2B	-0.37544	-2.36206	0.0193	0.300845
	-0.20608	-2.3624	0.019283	0.300758
	0.162841	2.364397	0.019183	0.300268
ENSG00000199899;TRAFF1;SLC8B1	0.276168	2.361329	0.019337	0.300983
	0.21126	2.363887	0.019208	0.300427
KCND3-AS1	-0.20204	-2.3637	0.019218	0.300458
	-0.29318	-2.36562	0.019121	0.29986
ENSG00000248994;NDUFS6;MRPL36	-0.2365	-2.36335	0.019235	0.300501
	-0.21414	-2.36603	0.019101	0.29986
	0.209478	2.363787	0.019213	0.300458
	0.305719	2.363799	0.019213	0.300458
TAL1	0.198852	2.362539	0.019276	0.300717
	0.231665	2.357826	0.019514	0.301885
	-0.23452	-2.36708	0.019049	0.299602
	-0.23464	-2.35845	0.019483	0.301745
	0.227448	2.362222	0.019292	0.300789
	0.307124	2.357778	0.019517	0.301887
	0.268784	2.365377	0.019134	0.299949
ZNF213;HMOX2	0.169544	2.3632	0.019243	0.300501
	-0.33171	-2.36101	0.019353	0.301073
	-0.18387	-2.36164	0.019321	0.300983
	-0.24189	-2.36611	0.019097	0.29986
	0.261481	2.36616	0.019094	0.29986
TUBGCP2;FUOM	-0.3312	-2.36572	0.019117	0.29986
	-0.23742	-2.363	0.019253	0.300521
	-0.15054	-2.36502	0.019151	0.299959
	0.220091	2.361717	0.019317	0.300967
	0.257371	2.361394	0.019334	0.300983
	0.236182	2.364118	0.019197	0.300345
ARPC5	0.275532	2.361784	0.019314	0.300937
	0.224129	2.364058	0.0192	0.300348
	0.293172	2.358787	0.019465	0.301692
	-0.20443	-2.3631	0.019248	0.300501
NOS3;CDK5	0.27687	2.363098	0.019248	0.300501
CYBA	-0.31781	-2.36609	0.019098	0.29986
TCEA2	0.241097	2.363616	0.019222	0.300458
	-0.20392	-2.36144	0.019331	0.300983
DLEC1	0.285296	2.365438	0.019131	0.299926
	0.167229	2.362642	0.019271	0.300668
	0.197648	2.365851	0.01911	0.29986
	0.337703	2.364383	0.019183	0.300268
	0.266248	2.358448	0.019483	0.301745

	0.21076	2.36139	0.019334	0.300983
PSMG3;GPR146;GPER1	-0.3056	-2.36407	0.019199	0.300348
PSMD13	0.211651	2.362277	0.019289	0.300789
	0.113992	2.358799	0.019465	0.301692
	-0.31042	-2.35832	0.019489	0.301759
FGFBP1;LDB2;C1QTNF7	-0.36913	-2.36045	0.019381	0.301147
	-0.16929	-2.36225	0.01929	0.300789
	-0.31376	-2.36467	0.019169	0.300131
SAMD15;AHSA1;SPTLC2;NOXRED1	0.268037	2.362018	0.019302	0.300851
	0.228571	2.362318	0.019287	0.300789
ZBTB9;HSD17B8;ITPR3;B3GALT4	-0.26632	-2.36105	0.019351	0.30106
ZNF827	0.347401	2.365138	0.019145	0.299949
PPP1R18	-0.27486	-2.36084	0.019362	0.301132
	-0.15159	-2.36076	0.019366	0.301147
	0.365601	2.360062	0.019401	0.301193
	0.203091	2.36152	0.019327	0.300983
	0.210744	2.360543	0.019377	0.301147
	-0.30205	-2.3616	0.019323	0.300983
ERN1;CD79B;LIMD2;RGS9;MILR1	-0.18643	-2.36032	0.019388	0.301147
	0.300901	2.363925	0.019206	0.300409
	0.253098	2.359488	0.01943	0.301398
PLXND1	0.254643	2.359519	0.019428	0.301398
	0.203111	2.356846	0.019564	0.30217
	-0.29485	-2.3585	0.01948	0.301745
	-0.27564	-2.36056	0.019376	0.301147
	-0.28837	-2.3603	0.019389	0.301147
	0.13571	2.36435	0.019185	0.300273
MAPK15	-0.17594	-2.36416	0.019195	0.300345
	-0.20925	-2.35849	0.01948	0.301745
	-0.14489	-2.35259	0.019782	0.303138
	0.200791	2.361499	0.019328	0.300983
	-0.1798	-2.36308	0.019249	0.300503
	-0.16521	-2.36075	0.019366	0.301147
ENSG00000261104	-0.15356	-2.36266	0.01927	0.300668
	0.323258	2.3635	0.019228	0.3005
TBC1D10C;GSTP1;ADRBK1;UNC93B1;ALDH3B1;PTPRCAP;ENSG				
00000255306;ALDH3B2;FAM86C2P	-0.2965	-2.36292	0.019257	0.300549
MEIS1	-0.33943	-2.36007	0.019401	0.301193
	-0.198	-2.35756	0.019528	0.301982
	0.209691	2.361448	0.019331	0.300983
RNF224;SLC34A3;LCNL1;INPP5E	-0.18995	-2.36363	0.019221	0.300458
	-0.29104	-2.35819	0.019496	0.301759
	-0.18912	-2.3631	0.019248	0.300501
CYBA	-0.24893	-2.35487	0.019665	0.302563
TEAD2;RCN3;PLA2G4C;CPT1C;FCGRT;CARD8;RRAS;EMP3;RASIP				
1	0.490806	2.364429	0.019181	0.300267
	-0.3183	-2.35981	0.019414	0.301261

GCC1	0.347746	2.363981	0.019203	0.300387
	-0.2708	-2.36301	0.019252	0.300521
RPN1	0.261369	2.359711	0.019419	0.3013
	0.340213	2.363318	0.019237	0.300501
TGIF2;MYL9	-0.45676	-2.36249	0.019279	0.300731
GRIK3;KIAA0319L;OSCP1;C1orf216;AGO3;ADPRHL2;COL8A2	0.356215	2.361057	0.019351	0.30106
	-0.26257	-2.36402	0.019201	0.300363
	-0.14835	-2.3606	0.019374	0.301147
	0.268262	2.360444	0.019382	0.301147
IRX2	0.262416	2.360917	0.019358	0.301101
	0.289791	2.360776	0.019365	0.301147
C5orf55;TRIP13;PLEKHG4B	-0.23605	-2.36225	0.01929	0.300789
	0.291364	2.359205	0.019444	0.30156
	-0.35237	-2.3631	0.019248	0.300501
	-0.40817	-2.35937	0.019436	0.301466
	-0.30455	-2.35994	0.019407	0.301213
	0.243766	2.360274	0.01939	0.301147
	0.155629	2.363116	0.019247	0.300501
GP5;LRRC15;FAM43A	-0.41889	-2.35282	0.01977	0.303093
	0.176387	2.360988	0.019354	0.301073
	-0.25634	-2.36304	0.019251	0.30052
	-0.2271	-2.35868	0.019471	0.30171
TMEM45B;ARHGAP32;ADAMTS15;BARX2;ADAMTS8;SNX19	-0.46969	-2.35988	0.01941	0.301235
	0.260578	2.363129	0.019246	0.300501
SPSB1	-0.35797	-2.3567	0.019571	0.302172
GNAO1	0.26198	2.363627	0.019221	0.300458
HCP5;HLA-C;PSORS1C3;HLA-B;C2;HLA-E;HSPA1B	0.310109	2.362124	0.019297	0.300832
	0.31409	2.361791	0.019314	0.300937
CARD11;SDK1	0.325024	2.357543	0.019529	0.301982
	-0.21136	-2.36032	0.019388	0.301147
	-0.14833	-2.35843	0.019483	0.301745
LRCH1	0.405978	2.362042	0.019301	0.300845
	-0.2466	-2.35748	0.019532	0.301986
	0.229793	2.356176	0.019598	0.302229
KCNE1;ENSG00000243627;ENSG00000221398;ENSG00000272958;ENSG00000273104	-0.22337	-2.36126	0.01934	0.300996
	0.394863	2.361596	0.019323	0.300983
RAD17P2	0.245943	2.360084	0.0194	0.301193
	-0.14412	-2.36009	0.0194	0.301193
	0.212018	2.359529	0.019428	0.301398
	-0.24009	-2.36177	0.019315	0.300937
RQCD1;STK11IP	-0.36756	-2.36221	0.019293	0.300789
	-0.21337	-2.36098	0.019354	0.301073
CASZ1;TARDBP;ENSG00000272078;PGAM1P11;PEX14	-0.42723	-2.35817	0.019497	0.301759
	0.28855	2.360282	0.01939	0.301147

NARS2;USP35	-0.38541	-2.35892	0.019458	0.301639
TUBGCP2;FUOM;LRRC27;PWWP2B;STK32C;TTC40	-0.32118	-2.35747	0.019532	0.301986
	-0.19157	-2.36099	0.019354	0.301073
	-0.50844	-2.3637	0.019218	0.300458
SNORA23	-0.20001	-2.36415	0.019195	0.300345
	0.22062	2.361788	0.019314	0.300937
	-0.21988	-2.35874	0.019468	0.301698
TMEM37	-0.21326	-2.35595	0.01961	0.302265
	-0.20385	-2.35737	0.019538	0.302007
	0.422693	2.357485	0.019532	0.301986
TCF21;SLC2A12	0.16192	2.355386	0.019639	0.302398
	0.385165	2.363249	0.01924	0.300501
	-0.29536	-2.35912	0.019449	0.301586
	0.285151	2.361154	0.019346	0.301047
ENSG00000255121	-0.33163	-2.363	0.019253	0.300521
	0.252413	2.361213	0.019343	0.301012
MGAT5;NCKAP5;MAP3K19;TMEM163	-0.30652	-2.36144	0.019331	0.300983
	0.432744	2.363287	0.019238	0.300501
	-0.2588	-2.36113	0.019347	0.301055
	0.30762	2.362112	0.019297	0.300832
	0.224776	2.359703	0.019419	0.3013
HERC1	0.275262	2.362929	0.019256	0.300549
	0.263946	2.360489	0.019379	0.301147
	-0.24786	-2.35637	0.019588	0.302229
	0.268371	2.360611	0.019373	0.301147
	-0.44327	-2.36334	0.019236	0.300501
TMOD2;MAPK6;MYO5C	-0.30779	-2.36227	0.01929	0.300789
BAIAP2	-0.38787	-2.3636	0.019222	0.300458
	-0.1662	-2.35782	0.019515	0.301885
	0.302579	2.356018	0.019606	0.302257
POC1A;DOCK3;PCBP4;SEMA3G;GNL3;PPM1M;ITIH3	-0.23314	-2.35978	0.019415	0.301261
IL10RA	-0.30622	-2.35577	0.019619	0.302291
	0.279961	2.35848	0.019481	0.301745
	0.263411	2.358248	0.019493	0.301759
	0.308954	2.355338	0.019641	0.302398
	-0.19984	-2.36014	0.019397	0.301193
CLDN7;VAMP2;ARHGEF15;SLC2A4;MPDU1;ATP1B2;NLGN2	-0.22781	-2.3617	0.019318	0.300967
	-0.12418	-2.35886	0.019462	0.301666
	-0.26536	-2.35917	0.019446	0.301567
XPR1	-0.35886	-2.36126	0.01934	0.300996
	-0.29114	-2.35618	0.019598	0.302229
	-0.18784	-2.36044	0.019382	0.301147
	0.238149	2.357273	0.019542	0.302038
	0.340078	2.356145	0.0196	0.302229
WIPF1	-0.40309	-2.35724	0.019544	0.302038
	-0.34812	-2.35982	0.019413	0.301261

	0.379494	2.36149	0.019329	0.300983
ANKRD12	0.276096	2.352546	0.019784	0.303138
ENSG00000220804	0.164561	2.353833	0.019718	0.302843
	0.347849	2.359499	0.019429	0.301398
ENSG00000254142	0.321929	2.360004	0.019404	0.301213
C20orf166-AS1	0.440716	2.362548	0.019275	0.300717
CD22	-0.34413	-2.35995	0.019407	0.301213
	0.306694	2.356432	0.019585	0.302229
	-0.23285	-2.35723	0.019545	0.302038
	0.142088	2.357084	0.019552	0.302055
	-0.34374	-2.35697	0.019558	0.302119
RBMS2;ERBB3;ITGA7;MMP19;PTGES3	-0.29195	-2.35808	0.019501	0.301801
CLIC5;ENSG00000231769;ENPP4;RCAN2	-0.24919	-2.36108	0.019349	0.30106
	0.24721	2.35262	0.019781	0.303138
ABCB10	-0.39481	-2.35855	0.019478	0.301745
SLC17A9	0.270517	2.358739	0.019468	0.301698
SLC5A4;DUSP18;DRG1;SMTN;PES1;YWHAH	-0.38763	-2.35991	0.019408	0.301222
CDCP1	-0.35572	-2.36125	0.019341	0.300996
	0.252155	2.362451	0.01928	0.300732
BTBD1	0.20663	2.359209	0.019444	0.30156
TSPAN4;LRRC56;TALDO1;ENSG00000251661;IFITM3;ENSG0000254815;IFITM2	-0.38805	-2.3571	0.019551	0.302055
EXTL2	-0.23825	-2.35331	0.019745	0.302937
	0.294654	2.359481	0.01943	0.301398
TMC8	0.371639	2.361305	0.019338	0.300983
STEAP3;DBI;INHBB;RALB	-0.31061	-2.36057	0.019375	0.301147
	-0.28454	-2.35877	0.019466	0.301695
ITGA5;MMP19;TESPA1;NCKAP1L;PDE1B;SARNP;ITGA7	0.405018	2.355575	0.019629	0.302358
MB21D1	0.137202	2.356614	0.019576	0.302178
	0.303071	2.360387	0.019384	0.301147
	-0.21608	-2.3568	0.019566	0.302172
LPO;TEX14	-0.29897	-2.35997	0.019406	0.301213
	-0.26164	-2.36133	0.019337	0.300983
	0.152639	2.357052	0.019554	0.302062
	0.309303	2.360839	0.019362	0.301132
LCK	-0.293	-2.3601	0.019399	0.301193
	-0.22551	-2.36043	0.019382	0.301147
	0.166967	2.357837	0.019514	0.301885
EPSTI1	-0.28053	-2.35816	0.019497	0.301759
	-0.2842	-2.35324	0.019749	0.302975
GRID1;ADIRF-AS1	-0.30864	-2.34938	0.019948	0.303891
	-0.18024	-2.35529	0.019643	0.302422
USP15	-0.38371	-2.36107	0.01935	0.30106
	0.297373	2.360644	0.019371	0.301147
SPINT1	-0.17568	-2.35995	0.019406	0.301213
	0.268315	2.358723	0.019469	0.301698
	0.138588	2.356753	0.019569	0.302172



GNA15;AES	-0.24649	-2.36131	0.019338	0.300983
C17orf80	0.215736	2.355989	0.019608	0.302259
	-0.29519	-2.36227	0.019289	0.300789
ADORA2A-AS1;DERL3	0.38294	2.362805	0.019262	0.300606
	-0.25977	-2.35756	0.019528	0.301982
	-0.29702	-2.36251	0.019277	0.30073
LILRB1;LILRB2;LILRA1;LAIR1	0.386112	2.3598	0.019414	0.301261
FAM71D;RAD51B;EIF2S1	-0.26411	-2.36013	0.019397	0.301193
	-0.16342	-2.35376	0.019722	0.302859
	-0.17049	-2.35836	0.019487	0.301759
SLC39A7	-0.22927	-2.35941	0.019434	0.301444
	0.178788	2.358252	0.019493	0.301759
	0.262907	2.357692	0.019521	0.301927
	-0.21317	-2.35856	0.019477	0.301745
	0.166765	2.355341	0.019641	0.302398
ZFAND2A	0.18176	2.358301	0.01949	0.301759
PEAR1;MEF2D;SYT11;SH2D2A;NES;HDGF;ARHGEF2;NTRK1;RAB				
25;CCT3	-0.39666	-2.35741	0.019535	0.301999
EGFL7;SETP5;TMEM141;ENSG00000227512	0.215626	2.361486	0.019329	0.300983
	0.150147	2.356186	0.019598	0.302229
	-0.16429	-2.35856	0.019477	0.301745
PPP1R7;GPC1;ANKMY1;HDLBP	0.341996	2.356167	0.019599	0.302229
	-0.31048	-2.35595	0.01961	0.302265
CIAPIN1	0.209899	2.354188	0.0197	0.302759
	0.135393	2.354796	0.019669	0.302574
INTS3	0.144848	2.356276	0.019593	0.302229
	0.103835	2.357344	0.019539	0.302007
	-0.19956	-2.35625	0.019594	0.302229
	-0.17361	-2.36049	0.019379	0.301147
	-0.37834	-2.359	0.019455	0.301634
RFTN1;GALNT15;ANKRD28	0.353451	2.351563	0.019835	0.303384
	-0.17604	-2.35843	0.019484	0.301745
	-0.28305	-2.35589	0.019613	0.302276
ST3GAL2;NFAT5;COG4	-0.3252	-2.35438	0.01969	0.302672
GIMAP7;GIMAP6;GIMAP4;GIMAP8;GIMAP5;GIMAP2	-0.25126	-2.35915	0.019447	0.301574
	-0.26328	-2.35362	0.019729	0.302878
	0.278487	2.356747	0.019569	0.302172
	0.183078	2.360517	0.019378	0.301147
	0.235784	2.357515	0.01953	0.301986
	0.235759	2.356113	0.019602	0.302229
	-0.13438	-2.35927	0.019441	0.301529
	-0.27432	-2.36024	0.019392	0.301157
	0.121837	2.355259	0.019645	0.302438
ITGAE;ASPA;GSG2	-0.25303	-2.35869	0.01947	0.30171
	0.212156	2.357126	0.01955	0.302055
	0.262563	2.36022	0.019393	0.301157
	-0.45484	-2.36023	0.019392	0.301157

TSPAN4;ATHL1	0.277498	2.359512	0.019429	0.301398
	-0.18457	-2.35575	0.01962	0.302291
	-0.23907	-2.36032	0.019388	0.301147
KCNA2;KCNA3	0.228818	2.360639	0.019372	0.301147
	-0.25406	-2.35854	0.019478	0.301745
	0.330109	2.355621	0.019627	0.302358
CDCA4;ADSSL1;C14orf79;JAG2	-0.4704	-2.3523	0.019797	0.303185
CLUAP1;IL32;ENSG00000272079;CDIP1;GLIS2;CCDC64B;CLDN9 ;ENSG00000263011;CORO7;ENSG00000205890	-0.42641	-2.35801	0.019505	0.301821
	0.236408	2.356024	0.019606	0.302257
ENSG00000268457;HCK;C20orf112	-0.21919	-2.35408	0.019705	0.302808
	-0.18353	-2.35735	0.019538	0.302007
	-0.26853	-2.35824	0.019493	0.301759
ADCY3	0.255095	2.352015	0.019812	0.303242
	-0.17431	-2.35994	0.019407	0.301213
FXVD3;CLIP3;KIAA0355;ZNF792	-0.2129	-2.34657	0.020094	0.304629
SLC5A4;CPSF1P1;TIMP3	0.242424	2.358055	0.019503	0.301808
	-0.18483	-2.35621	0.019597	0.302229
	-0.19511	-2.35825	0.019493	0.301759
	0.181699	2.360364	0.019386	0.301147
KMT2E	0.288713	2.35671	0.019571	0.302172
	0.328625	2.357625	0.019525	0.301961
	-0.19961	-2.35879	0.019465	0.301692
	0.23626	2.358173	0.019497	0.301759
	0.25914	2.35494	0.019662	0.302563
	-0.3126	-2.35404	0.019708	0.302829
FAM83H-AS1;MIR4664	-0.36362	-2.35905	0.019452	0.301615
LPXN;FAM111B;MPEG1;MS4A14	-0.29442	-2.3585	0.01948	0.301745
	0.261309	2.355791	0.019618	0.302291
	0.174152	2.355669	0.019624	0.302333
	0.140572	2.356099	0.019602	0.302229
	0.259769	2.355985	0.019608	0.302259
	0.309996	2.355384	0.019639	0.302398
IQCE;PSMG3-AS1;GNA12;ELFN1	-0.21246	-2.35269	0.019777	0.303115
ENSG00000005189	-0.25918	-2.35636	0.019589	0.302229
	-0.12933	-2.35614	0.0196	0.302229
	-0.19376	-2.35499	0.019659	0.302563
	0.156726	2.355177	0.019649	0.30247
	-0.30719	-2.3552	0.019648	0.302459
	-0.25256	-2.35555	0.01963	0.302358
	0.336772	2.357609	0.019525	0.301963
	-0.24951	-2.35906	0.019451	0.301615
ATP1B1;DPT;GPR161;NME7;CCDC181;TBX19	-0.24776	-2.35398	0.019711	0.302829
	-0.21353	-2.35313	0.019754	0.303033
	0.353573	2.357775	0.019517	0.301887
	0.231835	2.355566	0.01963	0.302358
CLDN8;TIAM1	0.252097	2.352618	0.019781	0.303138

SEC14L5	0.31958	2.358249	0.019493	0.301759
	0.316624	2.358352	0.019488	0.301759
	0.223268	2.358459	0.019482	0.301745
	-0.19692	-2.35585	0.019615	0.302291
	-0.33514	-2.35823	0.019494	0.301759
	-0.24061	-2.35708	0.019552	0.302055
	0.197069	2.357978	0.019507	0.301825
	0.290296	2.356359	0.019589	0.302229
IFT140;BAIAP3;HN1L;HAGH;RNPS1;ENSG00000272079;UBE2I;P				
DPK1;CLDN9;HS3ST6;HCFC1R1;CACNA1H;GFER;MSRB1;SRRM2-				
AS1;FLYWCH1				
	-0.23451	-2.35482	0.019668	0.302574
	-0.17722	-2.35386	0.019717	0.302834
DKK3;MICALCL	0.276535	2.354873	0.019665	0.302563
	0.329573	2.357133	0.01955	0.302055
	-0.22562	-2.35816	0.019497	0.301759
ECHS1	0.239467	2.358378	0.019486	0.301759
	0.280639	2.356568	0.019578	0.302204
ENSG00000129951;GRIN3B;GPX4;PPAP2C;MIER2;ARID3A;SHC				
2;FSTL3;PALM				
	-0.29128	-2.35654	0.01958	0.302206
	0.304782	2.357391	0.019536	0.302003
	0.161885	2.357222	0.019545	0.302038
	-0.2528	-2.35995	0.019407	0.301213
	-0.21898	-2.35436	0.019691	0.302672
	-0.24826	-2.35224	0.0198	0.303189
	0.18548	2.357076	0.019552	0.302055
	-0.46354	-2.35363	0.019729	0.302878
	0.143855	2.354455	0.019686	0.302672
	-0.16133	-2.3517	0.019828	0.303357
	-0.25763	-2.35678	0.019567	0.302172
CYTH3	-0.2954	-2.35452	0.019683	0.302672
	0.260549	2.353906	0.019715	0.302829
	0.358095	2.356346	0.01959	0.302229
RCC1	-0.30821	-2.35888	0.019461	0.301664
	-0.27126	-2.35813	0.019499	0.301769
ENSG00000264954;C17orf72				
ENSG00000267121;FMNL1;MAP3K14;GJC1				
	0.234323	2.356643	0.019575	0.302172
	-0.25618	-2.35897	0.019456	0.301639
	0.693827	2.35624	0.019595	0.302229
ENSG00000227403	0.298165	2.358924	0.019459	0.301639
	0.096937	2.354445	0.019687	0.302672
	0.201358	2.355878	0.019614	0.302278
	0.279811	2.357166	0.019548	0.302055
	0.303022	2.356435	0.019585	0.302229
	-0.18923	-2.35436	0.019691	0.302672
	0.245401	2.354636	0.019677	0.302658
	0.182267	2.351639	0.019831	0.303357
	0.214498	2.356455	0.019584	0.302229
	0.441773	2.358028	0.019504	0.301819
LINC00482;ENDOV				

SMIM20;SOD3	0.204162	2.357229	0.019545	0.302038
	0.204207	2.352322	0.019796	0.303176
	0.187566	2.353953	0.019712	0.302829
FLT1;POMP	-0.298	-2.35622	0.019596	0.302229
	-0.36642	-2.35463	0.019678	0.302658
HSP90AB1;TCTE1	0.215511	2.355762	0.01962	0.302291
AIF1L;ABL1;ASS1;PPAPDC3	-0.33251	-2.35693	0.01956	0.302139
	-0.37479	-2.35398	0.019711	0.302829
PIK3IP1;RNF185;PATZ1	0.14487	2.353884	0.019716	0.302829
	-0.18188	-2.35594	0.019611	0.302265
	-0.2581	-2.35664	0.019575	0.302172
	0.558521	2.360417	0.019383	0.301147
BAIAP2;NPLOC4	-0.2673	-2.35666	0.019574	0.302172
	-0.28359	-2.35745	0.019533	0.301987
	-0.23005	-2.35723	0.019544	0.302038
	-0.15755	-2.35549	0.019634	0.302358
	-0.23596	-2.35339	0.019741	0.302936
PPP1R18;TNXB;CLIC1;DDR1;SLC44A4;C4A;RANP1;NELFE;MDC1 ASAP2;ITGB1BP1;KIDINS220;ADAM17	-0.40671	-2.35721	0.019546	0.30204
	-0.27179	-2.35674	0.01957	0.302172
	-0.24287	-2.35379	0.019721	0.302845
CAPN2	-0.31614	-2.3535	0.019736	0.302923
DNAJC16;HSPB7;FBLIM1;KAZN;EFHD2;FHAD1;ENSG000002379 38	0.348157	2.350545	0.019888	0.303646
DOC2B;SCARF1;FAM101B	0.264825	2.353639	0.019728	0.302878
	0.182793	2.355467	0.019635	0.302362
	-0.19667	-2.35523	0.019647	0.302449
	0.152199	2.357778	0.019517	0.301887
OR2I1P	-0.12707	-2.34929	0.019953	0.303897
ENSG00000265136;WDR45B;BAIAP2 SPIRE2;SPATA33;ENSG00000260259	-0.25174	-2.35848	0.019481	0.301745
	-0.27597	-2.34927	0.019954	0.303897
	0.195969	2.35226	0.019799	0.303189
IGFBP4;FKBP10;ENSG00000234477	0.254331	2.355492	0.019633	0.302358
	0.224513	2.355347	0.019641	0.302398
	-0.21242	-2.35251	0.019786	0.303138
	0.205553	2.350412	0.019895	0.303657
HLA-K;HCG4P7;HLA-H	-0.21314	-2.35137	0.019845	0.303447
ENSG00000259768;ENSG00000259901;ENSG00000261008 COL6A1;COL6A2;ADARB1;COL18A1;ITGB2;ENSG00000268805; LRRC3DN	0.353537	2.357858	0.019513	0.301885
	-0.39819	-2.35748	0.019532	0.301986
	0.29943	2.353403	0.01974	0.302936
	0.096164	2.351219	0.019853	0.30346
CDIP1	-0.53064	-2.35582	0.019616	0.302291
	-0.26978	-2.3569	0.019562	0.302141
	0.282587	2.352091	0.019808	0.303228
	0.224654	2.353552	0.019733	0.302897
TCF7	-0.36608	-2.35243	0.01979	0.303159

	0.170391	2.352028	0.019811	0.303242
	0.167765	2.35655	0.019579	0.302206
	-0.25008	-2.35611	0.019602	0.302229
	0.355578	2.354329	0.019693	0.302672
	-0.18308	-2.35321	0.01975	0.302988
WBSCR22;ABHD11;ELN;CLDN4;ENSG00000233369;LINC00035; CLIP2;CLDN3;TBL2	-0.30819	-2.35481	0.019668	0.302574
	-0.30991	-2.35618	0.019598	0.302229
	0.161163	2.358934	0.019458	0.301639
ALG5	0.339214	2.355021	0.019657	0.302561
	0.207077	2.356295	0.019592	0.302229
	0.148126	2.348395	0.019999	0.304094
	-0.26669	-2.35848	0.019481	0.301745
	-0.1994	-2.35382	0.019719	0.302845
	0.211285	2.354766	0.01967	0.302587
TCTN2	0.170074	2.354934	0.019662	0.302563
	0.23086	2.35622	0.019596	0.302229
HCP5;HLA-B;MICB;HSPA1A;HLA-C;VAR52;GPANK1;HLA-DRA ACAP1;ELP5;KCTD11;PIK3R5	-0.26401	-2.35795	0.019508	0.301835
	-0.29139	-2.35742	0.019535	0.301999
	0.184201	2.350522	0.019889	0.303646
	-0.2699	-2.35646	0.019584	0.302229
	0.231677	2.354873	0.019665	0.302563
C16orf71;ENSG00000262370;CLUAP1;SMIM22;CDIP1;C16orf8 9	-0.3556	-2.35552	0.019632	0.302358
	-0.24417	-2.35648	0.019583	0.302229
	0.261546	2.347682	0.020036	0.304313
COBL	0.308464	2.357927	0.019509	0.301844
	0.20459	2.353358	0.019743	0.302936
DUSP4	-0.25997	-2.34697	0.020073	0.304489
	0.304769	2.35284	0.019769	0.303093
	0.27814	2.353719	0.019724	0.302864
RAB8B	-0.25384	-2.34744	0.020049	0.304412
CD22	0.323543	2.356737	0.01957	0.302172
	-0.19693	-2.35087	0.019871	0.303587
	-0.15566	-2.35579	0.019618	0.302291
PPP1R3B;TNKS;ENSG00000233609	-0.20089	-2.35106	0.019861	0.303538
	-0.2422	-2.35224	0.0198	0.303189
ECSCR;IK;CYSTM1;SPATA24;SLC23A1;PCDHAC1;ZMAT2;PCDHB 1;NDUFA2;DNAJC18;CXXC5;PCDHB18;PCDHB12;PCDHB19P;PC DHB7;PAIP2;PCDHB3	-0.26145	-2.35495	0.019661	0.302563
NEK10	0.173614	2.352838	0.019769	0.303093
IRX2	0.313666	2.355557	0.01963	0.302358
	0.172682	2.351152	0.019856	0.303481
	0.314576	2.352497	0.019787	0.303138
AGPAT5;MCPH1	-0.26147	-2.35065	0.019882	0.303646
NID1	0.221986	2.349242	0.019955	0.303897

	-0.27317	-2.35029	0.019901	0.303657
	0.222709	2.353329	0.019744	0.302936
	-0.19722	-2.3524	0.019792	0.303159
	-0.17826	-2.35293	0.019765	0.303093
	0.17644	2.356418	0.019586	0.302229
	0.162803	2.354706	0.019674	0.302623
	-0.24397	-2.35447	0.019685	0.302672
ENSG00000227076;PTPRE;ADAM12	0.212707	2.346471	0.020099	0.304637
	-0.26824	-2.35433	0.019693	0.302672
	0.228653	2.352996	0.019761	0.303079
ZBTB40	0.253328	2.355342	0.019641	0.302398
	-0.26204	-2.35711	0.019551	0.302055
	0.26857	2.356763	0.019568	0.302172
	-0.22796	-2.34781	0.02003	0.304259
	0.445926	2.354507	0.019684	0.302672
	0.221936	2.354511	0.019684	0.302672
	0.274292	2.352827	0.01977	0.303093
	0.233658	2.356646	0.019574	0.302172
	0.167375	2.348384	0.02	0.304094
	0.238849	2.35438	0.01969	0.302672
	-0.30774	-2.35436	0.019692	0.302672
	0.262669	2.352778	0.019773	0.303096
	-0.2639	-2.35306	0.019758	0.303063
	0.298252	2.352813	0.019771	0.303093
	0.25646	2.353566	0.019732	0.302897
	-0.23721	-2.35768	0.019522	0.301927
PDLIM4;P4HA2	0.306391	2.353884	0.019716	0.302829
	-0.28977	-2.35396	0.019712	0.302829
	-0.33345	-2.35432	0.019693	0.302672
	0.26117	2.353037	0.019759	0.303069
	0.284254	2.354504	0.019684	0.302672
ANK3;SLC16A9;ENSG00000232682;FAM133CP	-0.41062	-2.3549	0.019663	0.302563
ENSG00000257556	-0.28828	-2.35462	0.019678	0.302658
CPNE5;FGD2;PI16;CDKN1A	-0.33955	-2.35667	0.019573	0.302172
	0.227268	2.354387	0.01969	0.302672
	0.236616	2.355911	0.019612	0.302274
	-0.23472	-2.35084	0.019872	0.303587
	0.282595	2.35579	0.019618	0.302291
	0.312259	2.350198	0.019906	0.303657
PITX1	0.354962	2.356015	0.019607	0.302257
SNAPC5	0.292705	2.344553	0.0202	0.305042
RBM23;TRAC	0.351885	2.356685	0.019572	0.302172
	-0.27749	-2.3498	0.019926	0.303779
	-0.24311	-2.34619	0.020114	0.30471
	-0.24988	-2.3538	0.01972	0.302845
MBP	0.215997	2.352031	0.019811	0.303242
DMKN	-0.21931	-2.35084	0.019873	0.303587

	-0.16934	-2.34968	0.019932	0.303819
	0.197773	2.353879	0.019716	0.302829
TLCD1;TRAF4	0.245661	2.354892	0.019664	0.302563
ENSG00000271811;DNM3;DNM3OS	0.215222	2.351836	0.019821	0.303309
COL18A1-AS2;ADARB1;COL18A1;COL18A1-AS1;ENSG00000267857;ENSG00000268805	0.280191	2.354403	0.019689	0.302672
	-0.1648	-2.35269	0.019777	0.303115
	0.185488	2.354416	0.019688	0.302672
	-0.14556	-2.35036	0.019897	0.303657
	-0.18886	-2.35027	0.019902	0.303657
ZNF792	-0.2176	-2.35167	0.01983	0.303357
	0.311099	2.356093	0.019603	0.302229
ROBO4	-0.21598	-2.35625	0.019594	0.302229
	0.189764	2.35438	0.01969	0.302672
	-0.21733	-2.35166	0.01983	0.303357
	-0.30375	-2.35341	0.01974	0.302936
	0.241485	2.352242	0.0198	0.303189
	-0.21641	-2.35416	0.019702	0.302774
	0.215317	2.353893	0.019715	0.302829
	0.157385	2.353446	0.019738	0.302931
	-0.22485	-2.35176	0.019825	0.303338
	0.196344	2.345271	0.020162	0.304929
PTGDS	-0.15175	-2.35102	0.019863	0.303538
HK2;TACR1	0.322325	2.352388	0.019793	0.303159
	0.366919	2.353931	0.019713	0.302829
	-0.18533	-2.34939	0.019947	0.303891
	0.284359	2.352428	0.019791	0.303159
	0.19796	2.351043	0.019862	0.303538
	-0.19862	-2.35516	0.01965	0.302475
TTC34;TP73	0.37386	2.352097	0.019808	0.303228
	0.26196	2.352752	0.019774	0.303096
	0.301906	2.348033	0.020018	0.304248
LCMT2;SERF2;FRMD5	-0.20962	-2.35001	0.019916	0.303702
	0.258407	2.349228	0.019956	0.303897
	-0.37606	-2.35132	0.019848	0.303447
	0.268867	2.353558	0.019732	0.302897
S100P;WFS1	-0.43478	-2.35058	0.019886	0.303646
ICAM1	-0.22242	-2.354	0.01971	0.302829
SLC16A1	0.175943	2.347087	0.020067	0.304489
ZKSCAN1;COPS6;AGFG2	-0.24523	-2.35549	0.019634	0.302358
KIAA0125;IGHG2;IGHJ3P;IGHG1;IGHM;IGHA1;IGHG3;IGHA2;IGHG4;AHNAK2;GPR132;KIF26A;C14orf79;PLD4;ADSSL1;CEP170B	-0.30872	-2.35062	0.019884	0.303646
GPR132;AHNAK2;C14orf2;INF2;KIF26A;EIF5	-0.26365	-2.35308	0.019757	0.303059
	0.252542	2.351991	0.019813	0.303242
CBX2;TIMP2;C1QTNF1;CCDC40;CBX8;ENSG00000178404	-0.2207	-2.34873	0.019982	0.304056
THBS2;SMOC2;TCET3	-0.39575	-2.35626	0.019594	0.302229

	0.28122	2.351706	0.019828	0.303357
PDCD2	-0.26684	-2.35201	0.019812	0.303242
VAMP8;ATOH8;MRPL35;TCF7L1;SUCLG1	-0.30383	-2.35257	0.019783	0.303138
SUPT7L;IFT172;SLC4A1AP;EMILIN1;AGBL5;ENSG00000229951;				
MAPRE3;KHK;KRTCAP3	-0.27973	-2.35283	0.01977	0.303093
TSPAN18;HARBI1;MAPK8IP1;PHF21A	-0.19791	-2.35103	0.019863	0.303538
FKBP4	-0.21529	-2.35302	0.01976	0.303069
	-0.20998	-2.35199	0.019813	0.303242
	0.228002	2.355559	0.01963	0.302358
TMOD1;GALNT12;TDRD7;TRIM14;NANS;COL15A1;CORO2A	-0.29097	-2.35492	0.019663	0.302563
	-0.34139	-2.35049	0.01989	0.303649
	0.202011	2.352498	0.019787	0.303138
	-0.27758	-2.34504	0.020174	0.304982
SDK2;TTYH2	-0.29674	-2.34785	0.020027	0.304259
PHLPP1;SERPINB11;BCL2;SERPINB5	-0.34887	-2.35369	0.019725	0.302866
SEMA7A;PML	-0.31796	-2.35567	0.019624	0.302333
	-0.2971	-2.35411	0.019704	0.302798
EMCN	-0.3483	-2.35371	0.019725	0.302864
	0.308657	2.348943	0.019971	0.303989
	0.183083	2.354552	0.019681	0.302672
	0.260317	2.353369	0.019742	0.302936
	-0.24915	-2.35184	0.019821	0.303309
DHRS7B;MEIS3P2;AKAP10	-0.45126	-2.34342	0.020259	0.305313
	0.153129	2.34854	0.019992	0.304059
	-0.25765	-2.35211	0.019807	0.303228
	0.36484	2.353453	0.019738	0.302931
	0.303605	2.35334	0.019744	0.302936
NFKBIE;TCTE1;ENSG00000272442	-0.26643	-2.34942	0.019946	0.303891
	0.120852	2.349217	0.019956	0.303897
	-0.1683	-2.35147	0.01984	0.303396
	-0.18545	-2.34887	0.019974	0.304019
	0.148071	2.351519	0.019837	0.303396
HTRA3;AFAP1;ABLM2	0.229897	2.351254	0.019851	0.303454
	-0.39048	-2.34572	0.020138	0.304823
	-0.20349	-2.35249	0.019787	0.303138
	0.277498	2.3488	0.019978	0.304045
	0.241767	2.352923	0.019765	0.303093
GRIA1	-0.24599	-2.35401	0.019709	0.302829
	-0.15224	-2.35099	0.019865	0.303556
	-0.40262	-2.35367	0.019727	0.302872
	0.161596	2.352834	0.01977	0.303093
	0.273011	2.35136	0.019846	0.303447
GRID1	-0.44434	-2.35157	0.019835	0.303384
	0.224764	2.352104	0.019807	0.303228
FLG2	0.298007	2.350668	0.019881	0.303645
	0.225161	2.351281	0.01985	0.303454



BDKRB2	0.153028	2.350459	0.019892	0.303649
	0.319009	2.348569	0.01999	0.304059
	-0.32636	-2.3533	0.019746	0.302937
	0.287091	2.355521	0.019632	0.302358
	0.184304	2.350703	0.01988	0.30364
CCDC104;CCDC88A;SMEK2;RPL23AP32	-0.18428	-2.34803	0.020018	0.304248
	0.223703	2.353712	0.019724	0.302864
	-0.26454	-2.35028	0.019901	0.303657
	0.208692	2.350011	0.019915	0.303702
	-0.30001	-2.34783	0.020029	0.304259
RNF145;ATP10B;C1QTNF2;UBLCP1;PTTG1	0.23993	2.346994	0.020072	0.304489
	-0.27086	-2.3503	0.0199	0.303657
	-0.25461	-2.35312	0.019755	0.303033
	-0.28462	-2.35334	0.019744	0.302936
	0.368458	2.349467	0.019944	0.303882
AKAP2	-0.31292	-2.34899	0.019968	0.303968
	-0.20895	-2.35191	0.019817	0.303293
	0.18586	2.344287	0.020214	0.305127
	-0.18373	-2.35055	0.019888	0.303646
	0.238526	2.351619	0.019832	0.303361
SKI;MEGF6;CEP104;LINC01134;TP73-AS1	0.22878	2.349515	0.019941	0.303873
	-0.27869	-2.35135	0.019846	0.303447
	-0.16817	-2.34544	0.020153	0.304861
	-0.34852	-2.34832	0.020003	0.304121
	0.301169	2.350795	0.019875	0.3036
UBXN4;CXCR4	0.151186	2.343326	0.020264	0.305313
	0.231093	2.350073	0.019912	0.303671
	0.233011	2.351811	0.019822	0.303318
	0.189704	2.354312	0.019694	0.302672
	-0.26905	-2.34765	0.020038	0.304313
KCNE4;DOCK10;FAM124B	-0.41903	-2.34656	0.020095	0.304629
	0.237794	2.352614	0.019781	0.303138
	0.329038	2.352328	0.019796	0.303176
	0.27538	2.351189	0.019854	0.303462
	-0.40537	-2.34751	0.020045	0.304389
EEF1B2	0.312815	2.35081	0.019874	0.303598
	0.197215	2.352898	0.019766	0.303093
	0.236411	2.351491	0.019839	0.303396
	0.138682	2.350084	0.019912	0.303671
	0.241214	2.352831	0.01977	0.303093
WDR45B;ENSG00000184551	0.297049	2.347836	0.020028	0.304259
	0.274876	2.351237	0.019852	0.303457
	0.358569	2.351472	0.01984	0.303396
	-0.24003	-2.34704	0.02007	0.304489
	-0.17031	-2.35092	0.019868	0.30358
HLA-DMB	-0.18099	-2.34986	0.019923	0.303765
	0.149916	2.345741	0.020138	0.304823
ANXA4;ADD2;AAK1;TGFA				

ANKS1B	-0.29788	-2.35054	0.019888	0.303646
	-0.39943	-2.35238	0.019793	0.303159
	-0.23548	-2.35126	0.019851	0.303454
	0.353379	2.352368	0.019794	0.303161
	0.301543	2.351486	0.019839	0.303396
	-0.32679	-2.35095	0.019867	0.303576
	0.3678	2.353544	0.019733	0.302897
	0.219124	2.350444	0.019893	0.303649
GPR124;FGFR1;TACC1;DDHD2;RAB11FIP1;PPAPDC1B;ERLIN2	-0.26005	-2.34947	0.019943	0.303882
	-0.25843	-2.35067	0.019881	0.303645
	0.215077	2.345938	0.020127	0.304755
	0.285251	2.348434	0.019997	0.304089
TSTA3;GPIHBP1	0.190803	2.350451	0.019893	0.303649
TULP3;FKBP4;PARP11	0.348391	2.346829	0.020081	0.304525
	0.243031	2.352526	0.019785	0.303138
	-0.25924	-2.34857	0.01999	0.304059
RAP1GAP2;ALOX15;ZZEF1;GGT6;SHPK;ASPA	-0.30059	-2.35088	0.019871	0.303587
	0.359027	2.34273	0.020296	0.305482
	-0.30127	-2.34686	0.020079	0.304515
	0.263713	2.35274	0.019774	0.303096
	-0.2162	-2.35013	0.019909	0.303657
NFX1;ANKRD18B;CYP4F26P;SNX18P7;BAG1;DDX58;AQP7;APTX ;ANXA2P2;ACO1	0.304781	2.347263	0.020058	0.304475
	-0.33692	-2.35137	0.019845	0.303447
FAM101B	0.162423	2.352595	0.019782	0.303138
ZNF641	0.178924	2.345606	0.020145	0.304823
	0.236518	2.352947	0.019764	0.303093
PTPN7;KIF21B	0.270519	2.350524	0.019889	0.303646
	-0.26758	-2.34984	0.019924	0.303771
	-0.20913	-2.3494	0.019947	0.303891
	-0.28119	-2.3503	0.0199	0.303657
HLA-C	-0.29261	-2.35132	0.019848	0.303447
TNRC6C;ST6GALNAC1	-0.30114	-2.35045	0.019893	0.303649
	-0.28593	-2.35218	0.019803	0.303222
	-0.33644	-2.34491	0.020181	0.304986
SLAMF6;CD84	0.301705	2.349157	0.01996	0.303907
DUSP10	0.162155	2.342516	0.020307	0.305497
ENSG00000234478;EPHX1;ENAH;PYCR2;ITPKB;SRP9;C1orf95	-0.37294	-2.34751	0.020045	0.304389
	-0.32826	-2.34908	0.019963	0.30393
GPSM3;LST1;AIF1;TNXB	-0.18151	-2.349	0.019968	0.303968
	-0.24134	-2.35176	0.019825	0.303338
	-0.19344	-2.3503	0.0199	0.303657
	0.268506	2.351883	0.019819	0.303305
	-0.17108	-2.34578	0.020136	0.304823
	-0.20288	-2.3498	0.019926	0.303779

LCK;MTMR9LP;DCDC2B	0.225584	2.347979	0.020021	0.304256
	0.312164	2.351857	0.01982	0.303309
	-0.16511	-2.35017	0.019907	0.303657
ENSG00000261924;ENDOV;EIF4A3;SGSH	0.199693	2.34644	0.020101	0.304637
	0.244794	2.352782	0.019772	0.303096
PSMA7 SNHG3;SNORA73B	0.202706	2.349235	0.019956	0.303897
	-0.25901	-2.35085	0.019872	0.303587
	0.24749	2.345683	0.020141	0.304823
MAP3K13;LIPH;IGF2BP2;C3orf65	0.345913	2.349195	0.019958	0.303897
	0.172963	2.351258	0.019851	0.303454
RASSF1;UBA7 ENSG00000227038;SNORA14A;POR;STYXL1	0.355291	2.346791	0.020083	0.304537
	-0.2397	-2.35017	0.019907	0.303657
	-0.2333	-2.34622	0.020113	0.304708
	-0.31797	-2.34565	0.020142	0.304823
	-0.22397	-2.34787	0.020026	0.304259
FAM184A;MCM9	0.260268	2.352747	0.019774	0.303096
	0.293833	2.351199	0.019854	0.303462
	0.367614	2.35077	0.019876	0.303608
EYA4	0.213559	2.34708	0.020068	0.304489
	-0.30324	-2.35076	0.019877	0.303608
	-0.28119	-2.34701	0.020071	0.304489
	-0.19213	-2.34965	0.019934	0.303829
	0.268967	2.352117	0.019807	0.303228
GPR55	0.266578	2.349203	0.019957	0.303897
	-0.29413	-2.35214	0.019805	0.303228
	-0.29182	-2.34793	0.020023	0.304257
SSU72;MXRA8;NADK	0.19721	2.349715	0.019931	0.303813
	0.168564	2.347333	0.020054	0.30445
	0.223112	2.344108	0.020223	0.305127
PLCG2;ENSG00000260682;CDYL2;C16orf46;DYNLRB2;CMIP	-0.26028	-2.34954	0.01994	0.303873
	0.273786	2.347308	0.020056	0.30446
	0.306544	2.350309	0.0199	0.303657
	-0.335	-2.35061	0.019884	0.303646
	0.126439	2.349592	0.019937	0.303867
	-0.18025	-2.35013	0.019909	0.303657
	-0.14926	-2.34425	0.020216	0.305127
MSC	-0.35099	-2.34856	0.019991	0.304059
	-0.28058	-2.34712	0.020066	0.304489
WDR45B;PCYT2;NOTUM;C17orf62;MAFG- AS1;LRRC45;ENSG00000265136	-0.23378	-2.34482	0.020186	0.305016
	0.177205	2.35015	0.019908	0.303657
	-0.36251	-2.3524	0.019792	0.303159
	0.199826	2.350929	0.019868	0.30358
FKBP8 TIE1	0.146053	2.353473	0.019737	0.302931
	0.275411	2.344485	0.020203	0.305063
	0.304186	2.348152	0.020012	0.304219

	0.177431	2.34991	0.019921	0.303756
	-0.26652	-2.35169	0.019829	0.303357
	-0.28583	-2.34483	0.020185	0.305016
	-0.3371	-2.35165	0.019831	0.303357
	0.312875	2.350574	0.019886	0.303646
	0.324245	2.347117	0.020066	0.304489
	0.285997	2.349361	0.019949	0.303897
	0.236563	2.347204	0.020061	0.304486
	-0.27305	-2.3501	0.019911	0.303671
	0.202651	2.350291	0.019901	0.303657
	0.122507	2.346069	0.02012	0.304727
ENSG00000253773	-0.19922	-2.34814	0.020013	0.304219
SPATA33;GAS8;ENSG00000260259;GALNS;SPIRE2;C16orf3;URA				
HP;FANCA	-0.47303	-2.34976	0.019928	0.303796
	0.148462	2.347835	0.020028	0.304259
	0.229051	2.350208	0.019905	0.303657
	-0.37766	-2.35014	0.019909	0.303657
	-0.24171	-2.34926	0.019954	0.303897
	-0.3088	-2.34975	0.019929	0.303797
	0.289687	2.347174	0.020063	0.304486
	-0.19969	-2.34608	0.02012	0.304727
	0.184203	2.345268	0.020162	0.304929
	-0.35715	-2.34986	0.019923	0.303765
	-0.34353	-2.33979	0.020451	0.306367
	0.307186	2.348652	0.019986	0.304059
	-0.21263	-2.3457	0.020139	0.304823
	0.2234	2.346611	0.020092	0.304622
IRF4	0.320783	2.351466	0.01984	0.303396
	-0.26071	-2.34785	0.020028	0.304259
	-0.21245	-2.34622	0.020112	0.304708
	0.257133	2.349896	0.019921	0.303756
	-0.24394	-2.33674	0.020613	0.307222
IRX2;MRPL36;NDUFS6	-0.32552	-2.34691	0.020076	0.304497
PCDH12;PCDHGC5;SPRY4;PCDHGA12;PCDHGA9;PCDHGB8P;PC				
DHB19P;PCDHB9;PCDHGA10;PCDHB6;ARAP3	-0.24392	-2.34886	0.019975	0.304019
	-0.25303	-2.34991	0.019921	0.303756
YKT6	-0.17269	-2.34737	0.020053	0.304432
	-0.35017	-2.34909	0.019963	0.30393
PRR15L	-0.29202	-2.34502	0.020175	0.304982
FGFR4	-0.1939	-2.34968	0.019933	0.303819
	-0.44992	-2.34952	0.019941	0.303873
	0.28658	2.348785	0.019979	0.304045
	-0.18308	-2.34898	0.019969	0.303968
PTP4A3	-0.35867	-2.34859	0.019989	0.304059
	0.351539	2.347792	0.020031	0.304261
PCDHB8	0.385547	2.341254	0.020373	0.305934
	0.194152	2.348721	0.019982	0.304056

GPR146;PSMG3;GPER1	0.258221	2.347216	0.020061	0.304486
WDR45B;MAFG-AS1;PCYT2	-0.16791	-2.34941	0.019947	0.303891
	0.183579	2.34838	0.02	0.304094
	0.140386	2.346546	0.020095	0.304629
	0.217591	2.346412	0.020102	0.304637
	0.122148	2.34594	0.020127	0.304755
	-0.23981	-2.3489	0.019973	0.30401
ENSG00000258337	0.244756	2.34829	0.020005	0.304137
	-0.29599	-2.3503	0.0199	0.303657
	0.355832	2.348776	0.019979	0.304045
	0.193607	2.346927	0.020076	0.304497
FOXF1	-0.45624	-2.34956	0.019939	0.303873
	0.328046	2.350517	0.019889	0.303646
	-0.37038	-2.34864	0.019986	0.304059
ITGAL;ZNF629	-0.22901	-2.35015	0.019908	0.303657
	-0.22685	-2.34617	0.020115	0.30471
	-0.22209	-2.34769	0.020036	0.304313
TMC8;TNRC6C;TMC6;ENSG00000178404;C1QTNF1;CBX2;USP3				
6	-0.29196	-2.34872	0.019982	0.304056
SNORD3B-1;SNORD3B-2;SNORD3A;SNORD3D	-0.17926	-2.34579	0.020135	0.304823
	-0.27667	-2.34907	0.019964	0.30393
	-0.24827	-2.34847	0.019995	0.304084
VAMP8;TCF7L1;ATOH8;TCF7L1-IT1	-0.28837	-2.34857	0.01999	0.304059
	0.202747	2.344366	0.02021	0.305127
LINC01132	-0.36769	-2.35015	0.019908	0.303657
	-0.13529	-2.34205	0.020331	0.305631
IYD	-0.30054	-2.35016	0.019908	0.303657
	-0.17	-2.34703	0.02007	0.304489
ARHGEF10;MYOM2	0.275156	2.345167	0.020168	0.304966
	0.258853	2.345458	0.020152	0.304861
	0.15889	2.346167	0.020115	0.30471
	-0.20259	-2.34514	0.020169	0.304975
	0.245388	2.347175	0.020063	0.304486
	0.219235	2.346315	0.020108	0.304683
	0.215184	2.348805	0.019978	0.304045
	-0.34579	-2.34774	0.020033	0.304288
	0.391538	2.348114	0.020014	0.304219
	0.286314	2.34855	0.019991	0.304059
	0.274169	2.348481	0.019995	0.304084
SLC19A1;COL18A1	-0.29046	-2.34546	0.020152	0.304861
ENSG00000255621	0.2367	2.347891	0.020025	0.304259
	-0.20691	-2.34667	0.020089	0.304596
	-0.15524	-2.341	0.020387	0.306
ADAMTS7	0.189129	2.341173	0.020378	0.305936
	-0.21424	-2.34946	0.019944	0.303882
	-0.22999	-2.34375	0.020242	0.305249
	0.24429	2.345271	0.020162	0.304929

TSPAN4;MRPL23;C11orf21;TSPAN32;RASSF7;TALDO1	0.206276	2.347533	0.020044	0.304389
	-0.21055	-2.34505	0.020173	0.304982
	-0.36405	-2.34321	0.02027	0.305326
	0.250975	2.3448	0.020187	0.305019
	-0.20708	-2.34697	0.020073	0.304489
	0.298607	2.348631	0.019987	0.304059
	0.333625	2.345633	0.020143	0.304823
	-0.26431	-2.34709	0.020067	0.304489
	0.228985	2.344921	0.02018	0.304986
	-0.22606	-2.34741	0.020051	0.304426
ABHD11;WBSCR22;ELN;SBDSP1 EHF;ENSG00000184566;CD59	0.229621	2.345978	0.020125	0.304755
	-0.23023	-2.34846	0.019996	0.304084
	-0.35363	-2.34744	0.020049	0.304412
	0.273733	2.346235	0.020112	0.304708
	0.323845	2.348453	0.019996	0.304084
	0.130614	2.346116	0.020118	0.304722
	0.207878	2.343569	0.020251	0.305305
	0.240025	2.344331	0.020211	0.305127
	0.257042	2.349307	0.019952	0.303897
	-0.22427	-2.34612	0.020118	0.304722
ZNF423	0.3057	2.349277	0.019953	0.303897
	-0.31738	-2.34474	0.02019	0.305019
	0.215542	2.34408	0.020225	0.305127
	-0.22395	-2.34535	0.020158	0.304919
	-0.38974	-2.34859	0.019989	0.304059
	-0.21443	-2.34837	0.02	0.304094
	-0.26065	-2.34331	0.020265	0.305313
	0.178273	2.34809	0.020015	0.304219
	-0.25449	-2.3464	0.020103	0.304637
	0.312451	2.344275	0.020214	0.305127
CDC37 FOXA3;PPP1R13L;SLC1A5	0.278382	2.339681	0.020457	0.306367
	0.19658	2.349524	0.019941	0.303873
	-0.20226	-2.34828	0.020005	0.304137
	0.245917	2.344516	0.020202	0.30505
	0.263482	2.344713	0.020191	0.305019
	-0.36141	-2.34797	0.020021	0.304256
	0.219717	2.348091	0.020015	0.304219
	0.322682	2.343994	0.020229	0.30514
	0.176992	2.349084	0.019963	0.30393
	0.256492	2.342709	0.020297	0.305482
TIE1;TMEM125;PTPRF;SLC6A9;EBNA1BP2;KDM4A;C1orf210;CC DC24;ERI3;WDR65;TMEM53;TCTEX1D4;HECTD3	0.19	2.34404	0.020227	0.305139
	-0.18189	-2.34393	0.020233	0.305171
	-0.33892	-2.34801	0.020019	0.304252
	-0.17498	-2.34252	0.020307	0.305497
	0.415215	2.345652	0.020142	0.304823
	-0.33252	-2.34602	0.020123	0.304741
CUEDC1				

DHX32	-0.22149	-2.34208	0.02033	0.305631
	0.167749	2.343055	0.020278	0.305385
	-0.2018	-2.34622	0.020113	0.304708
	-0.24056	-2.34707	0.020068	0.304489
	0.167148	2.346419	0.020102	0.304637
	0.185115	2.346422	0.020102	0.304637
	-0.1627	-2.34595	0.020127	0.304755
	0.243386	2.347644	0.020038	0.304313
	0.279359	2.343211	0.02027	0.305326
	0.33425	2.345321	0.02016	0.304919
IL18R1	0.338733	2.347261	0.020058	0.304475
SLC17A9;STMN3;SOX18;RGS19;ZGPAT	0.15743	2.345832	0.020133	0.304823
FAM13A-AS1	0.163111	2.345444	0.020153	0.304861
RANBP1;MRPL40;UFD1L;ENSG00000215493	-0.2126	-2.34415	0.020221	0.305127
LRGUK;AGBL3;ENSG00000231098;SLC35B4;EXOC4	0.253626	2.346905	0.020077	0.304497
MRPL23	0.19042	2.33546	0.020681	0.307556
CASZ1	-0.20275	-2.34383	0.020238	0.305214
	0.156645	2.34034	0.020422	0.306284
	0.25077	2.345336	0.020159	0.304919
PIEZO2	0.30635	2.349187	0.019958	0.303897
	0.361734	2.345441	0.020153	0.304861
	-0.23166	-2.34325	0.020268	0.305326
	0.162814	2.343361	0.020262	0.305313
	0.238399	2.347022	0.020071	0.304489
	0.264291	2.347389	0.020051	0.304428
	0.218381	2.346054	0.020121	0.304728
	0.325805	2.346459	0.0201	0.304637
	-0.21588	-2.34918	0.019958	0.303897
	0.186838	2.347239	0.020059	0.304482
TNFSF8	0.382436	2.34868	0.019984	0.304059
MYEOV2;PPP1R7	-0.19041	-2.34859	0.019989	0.304059
	0.315135	2.344141	0.020221	0.305127
	0.248236	2.344896	0.020182	0.304986
ENSG00000271763	-0.26901	-2.3481	0.020015	0.304219
	0.224479	2.342113	0.020328	0.305631
	0.293817	2.3443	0.020213	0.305127
MLLT4;SMOC2	-0.20208	-2.34795	0.020023	0.304257
	0.335851	2.345553	0.020147	0.304844
	0.232533	2.345615	0.020144	0.304823
	0.156932	2.344587	0.020198	0.305041
CYTH3;RSPH10B;FSCN1;RNF216;FOXK1	0.317446	2.343579	0.020251	0.305305
	0.246741	2.346533	0.020096	0.304629
	-0.21053	-2.3466	0.020093	0.304623
	-0.22463	-2.34641	0.020103	0.304637
	-0.15899	-2.34335	0.020263	0.305313
	-0.44063	-2.34302	0.02028	0.305385
KHK;KRTCAP3	-0.40725	-2.34679	0.020083	0.304537

LRP8	0.285224	2.344688	0.020193	0.305019
	0.264488	2.343385	0.020261	0.305313
	-0.32736	-2.34296	0.020284	0.305385
	0.229695	2.342404	0.020313	0.305523
SPIRE2;SPATA33;PIEZO1;ENSG00000260259;GALNS;CYBA	0.429738	2.340182	0.02043	0.306302
	-0.26525	-2.34663	0.020091	0.304616
	-0.25587	-2.34136	0.020368	0.305873
	0.237022	2.344134	0.020222	0.305127
ZFH3	0.233556	2.345045	0.020174	0.304982
	0.320215	2.34492	0.02018	0.304986
BACH2;LYRM2	0.314139	2.344897	0.020182	0.304986
SPSB1;DFFA;CLSTN1;APITD1	-0.27456	-2.34402	0.020228	0.305139
ATR;PLS1	0.200202	2.340755	0.0204	0.30611
	0.244614	2.343499	0.020255	0.305313
TSPAN17	0.172816	2.346856	0.020079	0.304515
	0.160989	2.344567	0.020199	0.305041
INTS3	0.293022	2.345239	0.020164	0.304931
TULP3	0.227089	2.34465	0.020195	0.305019
	0.282325	2.347962	0.020022	0.304256
TRPM2;ICOSLG;COL18A1;ITGB2;LRRC3	-0.23806	-2.34781	0.02003	0.304259
PDGFRA;KIT	0.171027	2.339871	0.020447	0.306345
YLPM1;BATF	-0.19098	-2.34423	0.020217	0.305127
	0.531914	2.343851	0.020237	0.305212
CXCL12;C10orf10	0.217298	2.334394	0.020739	0.307783
	0.342467	2.339463	0.020468	0.306417
	0.21555	2.347438	0.020049	0.304412
UNC79;C14orf142;PPP4R4;FAM181A- AS1;SERPINA1;FAM181A;IFI27L2 ENSG00000261404	-0.21766	-2.33703	0.020598	0.307112
	-0.17004	-2.34692	0.020076	0.304497
	0.201231	2.338237	0.020533	0.306817
BAI2	-0.20204	-2.34622	0.020113	0.304708
STMN3;SLC2A4RG;SLCO4A1;LAMA5;C20orf195	-0.218	-2.34765	0.020038	0.304313
SLC22A17;LTB4R;PSME2;PSME1;ADCY4	-0.36503	-2.3443	0.020213	0.305127
CTSW;SLC25A45	-0.30138	-2.34553	0.020149	0.304844
PPP1R18;NRM;TRIM31;TUBB;GNL1;DDR1	-0.24864	-2.34706	0.020069	0.304489
	0.279634	2.347165	0.020063	0.304486
	-0.19667	-2.34452	0.020202	0.30505
	-0.30779	-2.34462	0.020196	0.30503
	0.286552	2.345546	0.020148	0.304844
	0.291296	2.335815	0.020662	0.307447
	0.208604	2.344941	0.020179	0.304986
	-0.24298	-2.34324	0.020269	0.305326
	-0.30552	-2.34512	0.02017	0.304981
SIRT5;NOL7;PHACTR1	-0.40224	-2.34172	0.020349	0.30572
FKBP4;TULP3;CACNA1C-AS4	-0.2679	-2.34497	0.020178	0.304986



VRK3;RUVBL2;FUZ;MYH14;ENSG00000204666;CPT1C;ZNF473; FAM83E;PTOV1- AS1;MED25;ENSG00000269091;PRRG2;TEAD2;RCN3;JOSD2;RR AS ENSG00000233178;TMEM252	-0.24738	-2.34669	0.020088	0.304596
	-0.26802	-2.34501	0.020176	0.304982
	0.203661	2.344971	0.020178	0.304986
ALCAM	-0.34829	-2.3427	0.020297	0.305482
TMEM208;PSMB10;CBFB;FAM65A	-0.17539	-2.34208	0.02033	0.305631
MMRN2;MINPP1;SNCG	0.321959	2.344731	0.02019	0.305019
TMEM204;UNKL;ENSG00000260807;SOX8;HN1L;ZNF598	0.240714	2.343553	0.020252	0.305307
	0.124829	2.341094	0.020382	0.305965
RAPGEF4	-0.28345	-2.34554	0.020148	0.304844
USP36;TNRC6C;ENSG00000178404;C1QTNF1	0.276214	2.342396	0.020313	0.305523
	-0.22758	-2.34522	0.020165	0.304938
	0.292372	2.341503	0.02036	0.305808
GPR110;TNFRSF21;GPR116;GPR115;TDRD6 UBE2Q2P1	-0.35092	-2.33945	0.020469	0.306417
	0.337773	2.342227	0.020322	0.305603
	0.22185	2.346349	0.020106	0.304667
	-0.26119	-2.34368	0.020245	0.305271
	-0.17719	-2.34647	0.0201	0.304637
	-0.19714	-2.34192	0.020338	0.305683
	-0.20497	-2.341	0.020387	0.306
	-0.2224	-2.336	0.020653	0.307408
DHRS3	-0.34136	-2.34675	0.020085	0.304557
	-0.28967	-2.3433	0.020266	0.305313
	0.243485	2.342541	0.020305	0.305497
	-0.29426	-2.33726	0.020585	0.307013
	0.236554	2.343724	0.020243	0.305257
HES6	-0.25211	-2.34482	0.020186	0.305016
CDH5;CMTM4;FAM96B;CES2;TMEM208;CBFB	-0.41112	-2.34233	0.020316	0.305545
	0.274514	2.346158	0.020116	0.30471
IFT57	0.289081	2.34335	0.020263	0.305313
	-0.30207	-2.34368	0.020246	0.305271
	0.360468	2.34501	0.020176	0.304982
TRIM69	0.178452	2.339977	0.020441	0.306324
ACP5;ZNF440;ZNF709;ZNF20	0.425331	2.344006	0.020228	0.30514
RASSF1	0.419702	2.345818	0.020134	0.304823
	-0.21766	-2.34335	0.020263	0.305313
	0.114614	2.337232	0.020587	0.307025
	-0.1533	-2.34409	0.020224	0.305127
MRGPRF	-0.25101	-2.34574	0.020138	0.304823
VOPP1;PSPH	0.355511	2.345618	0.020144	0.304823
ZNF57;MATK;TJP3;ANKRD24	-0.21832	-2.34413	0.020222	0.305127
	0.18406	2.337628	0.020566	0.306915
	0.231898	2.337614	0.020566	0.306915
	-0.34756	-2.34215	0.020326	0.305631
	-0.28511	-2.34303	0.02028	0.305385

GCNT3;FAM81A;RPS3AP6;MYO1E;BNIP2	0.232255	2.343572	0.020251	0.305305
	-0.33844	-2.3425	0.020308	0.305497
	-0.15195	-2.34465	0.020194	0.305019
	0.141673	2.343418	0.020259	0.305313
	-0.17317	-2.34303	0.020279	0.305385
	-0.58263	-2.33579	0.020664	0.307447
	-0.23866	-2.34561	0.020144	0.304823
	-0.2192	-2.34053	0.020411	0.30621
	0.277111	2.344117	0.020223	0.305127
	0.273636	2.342633	0.020301	0.305497
FAM180A;CALD1;TMEM140	-0.24936	-2.33826	0.020532	0.306817
	0.261052	2.341181	0.020377	0.305936
	-0.63476	-2.34509	0.020172	0.304982
	0.15977	2.343247	0.020268	0.305326
	-0.18363	-2.33999	0.02044	0.306324
	0.302426	2.343581	0.020251	0.305305
	-0.28297	-2.34052	0.020412	0.30621
TMEM255B;GAS6;ADPRHL1;F10;TFDP1				
SLFN12L;ENSG00000267074;ENSG00000255987;ENSG00000267554	-0.2788	-2.34341	0.02026	0.305313
DOCK2;LCP2	0.338311	2.346086	0.020119	0.304727
	0.28281	2.344699	0.020192	0.305019
	0.401562	2.345757	0.020137	0.304823
	0.274682	2.344091	0.020224	0.305127
	-0.28404	-2.34217	0.020325	0.305631
NKX6-1;CDS1	0.260847	2.341972	0.020335	0.305666
C10orf128	0.383723	2.34422	0.020217	0.305127
GTF3A;FLT1	0.329166	2.343028	0.02028	0.305385
UHRF1	-0.17095	-2.34191	0.020339	0.305683
	0.227421	2.343202	0.020271	0.305326
	-0.30988	-2.34446	0.020204	0.305069
	0.242949	2.33957	0.020462	0.30639
	0.206618	2.343766	0.020241	0.305245
	0.162228	2.341155	0.020379	0.305936
	-0.25043	-2.34285	0.020289	0.305408
ENSG00000234478;C1orf95;ITPKB;ACBD3	0.252005	2.342442	0.020311	0.305512
SOX8	-0.17381	-2.34078	0.020398	0.30611
SPARCL1	0.370374	2.344576	0.020199	0.305041
NRROS;LRCH3;DLG1;KIAA0226;BDH1	-0.31322	-2.34244	0.020311	0.305512
	0.309513	2.345959	0.020126	0.304755
	0.111771	2.34294	0.020284	0.305385
	0.342846	2.34047	0.020415	0.306224
	-0.29952	-2.34297	0.020283	0.305385
	-0.21273	-2.341	0.020387	0.306
	0.195313	2.341511	0.02036	0.305808
	0.302655	2.34525	0.020163	0.304931
	0.226654	2.342543	0.020305	0.305497
	0.228428	2.340553	0.02041	0.30621
HLA-DRA				

C6orf132	0.218992	2.33927	0.020478	0.306463
	-0.28544	-2.34506	0.020173	0.304982
	0.127533	2.339056	0.02049	0.306574
	0.378227	2.344191	0.020219	0.305127
	0.229875	2.343806	0.020239	0.305224
ENSG00000244300;RPN1;GATA2;COPG1;ENSG00000273437	-0.30349	-2.33885	0.0205	0.306686
	0.24492	2.340981	0.020388	0.306
	-0.27674	-2.34403	0.020227	0.305139
	-0.40968	-2.34333	0.020264	0.305313
	0.19638	2.338083	0.020541	0.306817
SPESP1	0.218271	2.34107	0.020383	0.305973
	0.224604	2.341776	0.020346	0.305714
	-0.38276	-2.34211	0.020328	0.305631
	-0.27392	-2.3458	0.020135	0.304823
	-0.20426	-2.34026	0.020426	0.306302
DENND6A;IL17RD;FLNB	0.22697	2.344693	0.020192	0.305019
	0.20594	2.341495	0.020361	0.305808
	0.463358	2.344136	0.020222	0.305127
	0.222212	2.342328	0.020317	0.305545
	0.27219	2.344149	0.020221	0.305127
KLF11	0.186176	2.342687	0.020298	0.305482
	0.281984	2.342483	0.020309	0.305497
	-0.18957	-2.34469	0.020193	0.305019
	-0.23087	-2.33877	0.020505	0.306689
	-0.18905	-2.34366	0.020246	0.305273
TNXB;SLC44A4;DDAH2;NOTCH4	-0.29448	-2.33818	0.020536	0.306817
	-0.2744	-2.34225	0.020321	0.305599
	0.19307	2.34179	0.020345	0.305714
	0.187142	2.343849	0.020237	0.305212
	-0.15221	-2.33795	0.020549	0.306817
RAB7L1	0.184208	2.341877	0.02034	0.305688
	-0.37941	-2.33973	0.020454	0.306367
	-0.12659	-2.33568	0.02067	0.307505
	0.266175	2.339962	0.020442	0.306324
	0.203368	2.343529	0.020253	0.305313
CLCN7	0.158092	2.342088	0.020329	0.305631
	0.176601	2.338741	0.020506	0.306689
	-0.1205	-2.33554	0.020677	0.307525
	0.224482	2.342487	0.020308	0.305497
	-0.53364	-2.33978	0.020452	0.306367
PCDHB16	-0.15686	-2.33143	0.020898	0.308616
	0.209402	2.341152	0.020379	0.305936
	-0.26595	-2.34165	0.020352	0.305738
	0.202289	2.342812	0.020291	0.305431
	-0.19225	-2.34431	0.020213	0.305127
ENSG00000273230	-0.23563	-2.3434	0.02026	0.305313

TFB2M	-0.2285	-2.34235	0.020316	0.305545
	-0.19489	-2.34116	0.020378	0.305936
ANO2;ATN1;MRPL51;SCARNA10;VWF;LEPREL2;CD9;GNB3	-0.29256	-2.34394	0.020232	0.305169
	0.293962	2.339415	0.020471	0.306417
KCNA2;KCNA3;ENSG00000259834 TTC5;SALL2	-0.2034	-2.34468	0.020193	0.305019
	-0.29595	-2.34114	0.020379	0.305936
	0.202365	2.339709	0.020455	0.306367
	0.481547	2.342952	0.020284	0.305385
	0.264104	2.343139	0.020274	0.305354
	0.47956	2.342631	0.020301	0.305497
	-0.33821	-2.33959	0.020462	0.306389
ENSG00000250280	0.231101	2.341726	0.020348	0.30572
	-0.28616	-2.343	0.020281	0.305385
MCAM;PHLDB1;CBL;C2CD2L;OAF;USP2-AS1;USP2;CCDC153	-0.21379	-2.33995	0.020442	0.306324
	0.304063	2.342937	0.020285	0.305385
	0.268001	2.334746	0.02072	0.307762
COX5A;ISLR;SCAMP2;C15orf59;CSK;ISLR2;NPTN TXNDC12	-0.28558	-2.33766	0.020564	0.306912
	-0.22179	-2.34254	0.020305	0.305497
	0.451206	2.341858	0.020341	0.305692
	0.155339	2.340307	0.020423	0.306288
	0.213488	2.344653	0.020194	0.305019
NUGGC;HMBOX1	0.256925	2.340223	0.020428	0.306302
	0.336967	2.341714	0.020349	0.30572
	0.121964	2.339481	0.020467	0.306417
	-0.21639	-2.33825	0.020533	0.306817
PLEKHF2;ESRP1;DPY19L4	-0.35079	-2.34061	0.020407	0.306182
	0.264873	2.341438	0.020364	0.305843
	0.168123	2.342874	0.020288	0.305403
	0.164219	2.343446	0.020258	0.305313
	0.360509	2.338714	0.020508	0.306695
HOXB3;NPEPPS	0.363041	2.340187	0.02043	0.306302
	0.328939	2.343382	0.020261	0.305313
	0.280302	2.338448	0.020522	0.306815
	-0.22636	-2.34136	0.020368	0.305873
	-0.32322	-2.3399	0.020445	0.306333
KMT2A;PHLDB1;TMPRSS4;UBE4A;HMBS;MCAM;TREH;SCN2B; MPZL3;ENSG00000255176	0.163623	2.33536	0.020687	0.307561
	0.254923	2.340735	0.020401	0.30611
	0.199167	2.344078	0.020225	0.305127
	0.2937	2.338641	0.020512	0.306719
EBF2;BNIP3L MDH1	-0.24549	-2.33937	0.020473	0.306436
	0.26705	2.337491	0.020573	0.306929
	-0.19955	-2.34181	0.020344	0.305712
	0.251245	2.340603	0.020408	0.306182
STK10	0.316453	2.34181	0.020344	0.305712

XPNPEP3;PMM1	0.194417	2.33942	0.02047	0.306417
	-0.16266	-2.34091	0.020391	0.306044
	0.42168	2.343187	0.020271	0.305327
	0.346304	2.341892	0.02034	0.305687
	0.307668	2.342544	0.020305	0.305497
ENSG00000226252	0.271369	2.339598	0.020461	0.306389
	0.190836	2.342592	0.020303	0.305497
	0.226732	2.342679	0.020298	0.305482
	0.197768	2.336394	0.020632	0.307262
	0.177895	2.342047	0.020331	0.305631
PDE2A;FCHSD2;ENSG00000234751	-0.21271	-2.34012	0.020433	0.306318
	-0.1882	-2.33784	0.020555	0.306833
	0.292582	2.337461	0.020575	0.306929
	0.215085	2.339483	0.020467	0.306417
	-0.24883	-2.34013	0.020433	0.306318
C22orf34	-0.30514	-2.34042	0.020418	0.306243
	-0.20908	-2.33992	0.020444	0.306324
	0.267131	2.338785	0.020504	0.306689
	0.310932	2.338889	0.020499	0.306684
	-0.22099	-2.34001	0.020439	0.306324
SHISA2	-0.28605	-2.33883	0.020502	0.306686
	-0.36478	-2.34002	0.020439	0.306324
	0.14267	2.341736	0.020348	0.30572
	-0.4132	-2.34203	0.020333	0.305635
	0.200941	2.340374	0.02042	0.306268
	-0.28313	-2.33863	0.020512	0.306719
	-0.14855	-2.33816	0.020537	0.306817
	-0.30181	-2.34166	0.020352	0.305738
	-0.17836	-2.33452	0.020732	0.307783
	0.253154	2.334793	0.020717	0.307746
KPNA3;TRIM13;DLEU1	0.154525	2.336165	0.020644	0.307346
	-0.31677	-2.34074	0.0204	0.30611
	-0.18573	-2.34337	0.020262	0.305313
	-0.27589	-2.34044	0.020417	0.30624
	0.456338	2.335364	0.020687	0.307561
TNFRSF10C;SLC25A37;DMTN;BMP1;LGI3;HR;REEP4	0.249222	2.341269	0.020373	0.305934
	-0.13164	-2.33867	0.02051	0.306715
	0.262445	2.34012	0.020433	0.306318
	0.172517	2.336408	0.020631	0.307262
	0.143578	2.333068	0.02081	0.308201
ARNTL2;MRPS35	0.216165	2.338368	0.020526	0.306817
	0.18383	2.339456	0.020469	0.306417
	-0.26052	-2.34253	0.020306	0.305497
	0.163247	2.337616	0.020566	0.306915
	-0.24562	-2.33734	0.020581	0.30699
SLAMF1;SLAMF6;CD84	-0.14366	-2.33685	0.020607	0.307182
	-0.29186	-2.34009	0.020435	0.306324
MANSC1				

IFT140;CLDN9;BAIAP3;ENSG00000272079;HAGH;HS3ST6	0.286931	2.340067	0.020436	0.306324
	-0.2571	-2.34141	0.020365	0.305855
	-0.21905	-2.33873	0.020507	0.306689
	0.285203	2.340514	0.020412	0.30621
RNF166;SNAI3;PIEZO1;ENSG00000261226;CBFA2T3	0.302509	2.339308	0.020476	0.306459
	0.372763	2.342077	0.02033	0.305631
	-0.32428	-2.34291	0.020286	0.305397
SLAMF1;ENSG00000225670;CCDC19;CADM3;DARC;AIM2;CD84;SLAMF6;ENSG00000213080;LY9;PEA15;ATP1A2;PYHIN1	0.278627	2.336554	0.020623	0.307262
	0.241995	2.343057	0.020278	0.305385
CYBA;SLC7A5	-0.34065	-2.34289	0.020287	0.305403
	0.212784	2.338926	0.020497	0.306666
PTPN7;KIF21B	0.261653	2.342044	0.020332	0.305631
	-0.31122	-2.34022	0.020428	0.306302
	-0.21888	-2.33843	0.020523	0.306816
LYAR	-0.16827	-2.33815	0.020538	0.306817
	0.147355	2.339363	0.020473	0.306436
	0.270307	2.336668	0.020617	0.307249
ARFIP2;DCHS1;RRP8	-0.25258	-2.33713	0.020592	0.307089
	-0.2904	-2.33756	0.020569	0.306929
MEIS3P2;DHRS7B	-0.22611	-2.33795	0.020549	0.306817
	0.248625	2.339287	0.020478	0.306463
	0.171389	2.341174	0.020378	0.305936
	-0.24383	-2.33838	0.020526	0.306817
	0.232129	2.341915	0.020338	0.305683
	0.263509	2.338042	0.020544	0.306817
	0.307136	2.340003	0.02044	0.306324
	0.220697	2.337956	0.020548	0.306817
PHKG2;C16orf93	-0.29876	-2.34049	0.020414	0.306217
	-0.30563	-2.33961	0.02046	0.306389
RPL7L1	0.211306	2.339746	0.020453	0.306367
	-0.25807	-2.33983	0.020449	0.306367
	0.270603	2.334336	0.020742	0.307783
	0.398257	2.340207	0.020429	0.306302
	-0.23612	-2.33642	0.02063	0.307262
	0.180631	2.336939	0.020602	0.30713
	-0.28964	-2.33924	0.02048	0.306463
	-0.46083	-2.33969	0.020456	0.306367
	0.161635	2.339701	0.020456	0.306367
	0.274817	2.337788	0.020557	0.306842
	0.266722	2.341532	0.020359	0.305808
	-0.28504	-2.34165	0.020352	0.305738
PLXDC1;KRT23	-0.21808	-2.33521	0.020695	0.307607
	-0.22786	-2.3361	0.020647	0.30737
	0.521095	2.341213	0.020376	0.305936
HRC;MYH14;PPP1R15A;PIH1D1;CPT1C	-0.23586	-2.33993	0.020443	0.306324
ALMS1				

SELENBP1	0.26928	2.337713	0.020561	0.306884
	0.254994	2.338178	0.020536	0.306817
	0.28288	2.33794	0.020549	0.306817
	-0.1521	-2.34074	0.020401	0.30611
	0.276893	2.338027	0.020544	0.306817
GBAS	0.165404	2.336993	0.0206	0.307127
	0.281318	2.335082	0.020702	0.307634
	0.22587	2.341527	0.020359	0.305808
	0.115948	2.337514	0.020572	0.306929
	0.216724	2.337707	0.020562	0.306884
	0.239374	2.337103	0.020594	0.307096
	0.208112	2.334212	0.020748	0.307783
	-0.15937	-2.33026	0.020961	0.308948
	-0.25139	-2.34022	0.020428	0.306302
	-0.15348	-2.33424	0.020747	0.307783
	0.189839	2.337074	0.020595	0.307104
NR3C1	0.377643	2.340053	0.020437	0.306324
ENSG00000233392;ENSG00000223991	-0.22241	-2.33878	0.020504	0.306689
	0.281594	2.339252	0.020479	0.306463
	0.354981	2.337839	0.020554	0.306833
TBRG1	-0.25792	-2.34033	0.020422	0.306284
ABHD2;CIB1;ACAN;MFGE8;PEX11A;HAPLN3;KIF7;GDPGP1	0.280754	2.338756	0.020506	0.306689
	-0.17553	-2.33298	0.020815	0.30822
	0.175551	2.337857	0.020553	0.306833
CYTIP	0.291568	2.337821	0.020555	0.306836
ADD2;ANXA4;TGFA	-0.17512	-2.33749	0.020573	0.306929
	0.301363	2.336638	0.020618	0.307262
	0.292084	2.33511	0.0207	0.307633
	-0.26443	-2.33959	0.020461	0.306389
	0.188811	2.338006	0.020546	0.306817
EGFEM1P	0.375379	2.339351	0.020474	0.306436
	0.16164	2.339235	0.02048	0.306463
MYO1F	-0.28643	-2.34076	0.020399	0.30611
	-0.35198	-2.33798	0.020547	0.306817
	-0.36066	-2.33792	0.02055	0.306817
CTSF;LTBP3;EFEMP2;CD248;PELI3;DPF2;DPP3;MAP3K11	0.234365	2.339612	0.02046	0.306389
	0.318682	2.338441	0.020522	0.306815
	0.257772	2.335278	0.020691	0.307591
	0.216362	2.335093	0.020701	0.307634
	-0.19708	-2.33374	0.020774	0.307999
	0.44621	2.340004	0.020439	0.306324
RPL21P8;MAX;AKAP5	-0.3142	-2.33653	0.020624	0.307262
NGLY1	-0.21124	-2.34065	0.020405	0.306166
FERMT3;CCDC88B	0.263874	2.339425	0.02047	0.306417
ITGAL;TGFB11	-0.19625	-2.34029	0.020424	0.30629
ZNF662;NKTR;ABHD5;FAM198A;HIGD1A	-0.36105	-2.34082	0.020396	0.306108

ENSG00000235731	0.203683	2.335585	0.020675	0.307512
	-0.31622	-2.33816	0.020537	0.306817
	0.177149	2.339414	0.020471	0.306417
	0.213029	2.333596	0.020781	0.308047
	0.269529	2.333226	0.020801	0.30816
RNF8	-0.16953	-2.33738	0.020579	0.306975
PEX2	0.213045	2.336744	0.020613	0.307222
	0.190966	2.339709	0.020455	0.306367
	0.130303	2.338084	0.020541	0.306817
	-0.248	-2.33878	0.020505	0.306689
	-0.20767	-2.33839	0.020525	0.306817
SYNDIG1	-0.16544	-2.33629	0.020637	0.30728
	0.240555	2.335788	0.020664	0.307447
CDHR4	-0.14784	-2.33623	0.020641	0.307323
	0.277051	2.33498	0.020707	0.307675
ZC3H12D;RAET1E	-0.43461	-2.33548	0.02068	0.30755
NOVA2;HIF3A;SNRPD2	0.235879	2.335325	0.020689	0.307569
CLDN5;UFD1L;ATP6V1E1;MRPL40;MICAL3	-0.25736	-2.33786	0.020553	0.306833
ANXA2;MYO1E	-0.30818	-2.33727	0.020585	0.307013
RECK;TRMT10B;GNE	0.190498	2.334816	0.020716	0.307738
	0.287983	2.339705	0.020455	0.306367
	-0.15632	-2.33458	0.020729	0.307783
	-0.17394	-2.3335	0.020786	0.308075
	0.260225	2.334943	0.020709	0.307675
	-0.21114	-2.33467	0.020724	0.307779
	-0.23757	-2.33593	0.020656	0.307422
SPOCK2;MCU	0.20035	2.335435	0.020683	0.307556
IQCA1;ACKR3	0.206774	2.335652	0.020671	0.307505
ENSG00000248995;LLPH;ENSG00000255693	-0.27859	-2.33142	0.020898	0.308616
	0.378153	2.338016	0.020545	0.306817
SELENBP1;CGN;THEM4;BNIPL;HRNR;S100A11;RORC;SEMA6C;F				
LG	-0.27445	-2.33458	0.020728	0.307783
	-0.29494	-2.33519	0.020696	0.307608
	-0.13263	-2.33206	0.020864	0.30846
INPP5D	-0.39847	-2.33428	0.020745	0.307783
ENSG00000229951	-0.29021	-2.3375	0.020572	0.306929
	0.281171	2.336044	0.02065	0.307392
TIMP2;TMC8;C1QTNF1;ENSG00000267506;SEC14L1	-0.26383	-2.33266	0.020832	0.308352
	0.226829	2.338662	0.020511	0.306715
	-0.17226	-2.33193	0.020871	0.30846
NLRC3;CLUAP1;CDIP1;PPL;CORO7;C16orf71;ENSG0000026301				
1;SMIM22;MEFV;MMP25;ENSG00000262312;HCFC1R1;GLIS2;				
CREBBP;CLDN9;TFAP4;ENSG00000272079;ZNF205	-0.24195	-2.33324	0.020801	0.30816
	0.269721	2.336717	0.020614	0.307231
SUN1	0.330072	2.338194	0.020536	0.306817
PRR26;ADARB2;IDI1;ADARB2-AS1;DIP2C	0.220934	2.336824	0.020609	0.307189



GALE	-0.33847	-2.33849	0.02052	0.306795
	-0.27275	-2.33658	0.020622	0.307262
	0.219384	2.337925	0.02055	0.306817
ENSG00000196674;ENSG00000261659	-0.23583	-2.33856	0.020516	0.306752
	-0.26212	-2.33885	0.020501	0.306686
	0.263503	2.336493	0.020626	0.307262
ITGAL;ZNF629	-0.23816	-2.33824	0.020533	0.306817
	-0.29974	-2.33592	0.020657	0.307422
	0.210387	2.33742	0.020577	0.306951
IL12RB1;KIAA1683;MAU2	0.250642	2.339098	0.020488	0.30655
	0.174025	2.334455	0.020735	0.307783
	0.213461	2.337484	0.020573	0.306929
ENSG00000260051;HN1L	0.230921	2.338115	0.02054	0.306817
	0.221513	2.335156	0.020698	0.307628
LEPREL2;ANO2;CLSTN3;IFFO1;C1R;VWF;C1S;SCNN1A;CD27-AS1	-0.15103	-2.33655	0.020623	0.307262
	0.261526	2.336692	0.020616	0.307241
	-0.26043	-2.33921	0.020482	0.306473
IL15RA;FBXO18	0.282878	2.32795	0.021087	0.309325
	-0.23113	-2.33748	0.020574	0.306929
	-0.36602	-2.33858	0.020515	0.306746
CARD11	-0.28898	-2.33491	0.020711	0.307675
	0.324038	2.336957	0.020601	0.307127
	0.162807	2.334714	0.020721	0.307766
ITGB2;TRPM2;ADARB1;COL18A1;ENSG00000225331;ICOSLG;CSTB	0.346357	2.335859	0.02066	0.307433
	-0.24929	-2.33687	0.020606	0.307171
	-0.39412	-2.33058	0.020944	0.308876
TRPV2;ADORA2B;ZSWIM7;TRIM16	0.276162	2.334566	0.020729	0.307783
	0.346675	2.332116	0.020861	0.30846
	-0.32137	-2.33525	0.020693	0.307591
NTAN1;NOMO1	0.227334	2.334267	0.020745	0.307783
	0.218313	2.337786	0.020557	0.306842
	0.179907	2.329311	0.021013	0.309177
DTHD1;ENSG00000251438;ENSG00000247193	-0.21726	-2.33649	0.020626	0.307262
	-0.3465	-2.33885	0.020501	0.306686
	0.117845	2.336023	0.020651	0.307398
ZDHHC3	-0.2637	-2.33819	0.020536	0.306817
	-0.18422	-2.32996	0.020978	0.308985
	0.225044	2.335418	0.020684	0.307559
ENSG00000253837;LOXL2;PIWIL2;CCAR2;GFRA2;BMP1;ENSG00000254272;C8orf58	0.171646	2.338329	0.020528	0.306817
	-0.4263	-2.34004	0.020438	0.306324
	-0.40666	-2.33238	0.020847	0.30842
PHLPP1;BCL2;SERPINB11	-0.44161	-2.33498	0.020707	0.307675
	-0.20478	-2.33211	0.020861	0.30846
CEP19;TCTEX1D2;RNF168;MUC4;SLC51A;LINC00885;MUC20				

	0.241759	2.33617	0.020643	0.307346
	0.269717	2.336317	0.020636	0.307272
RFX8	-0.34221	-2.33731	0.020583	0.306999
	-0.30069	-2.33982	0.020449	0.306367
RNF8;MAPK13;MTCH1	-0.24378	-2.33565	0.020671	0.307505
RPP38;ACBD7;ITGA8;FRMD4A;FAM107B;FAM171A1	-0.29255	-2.33031	0.020959	0.308948
	-0.14069	-2.33252	0.020839	0.30839
	0.155994	2.336386	0.020632	0.307262
KMT2A;MCAM;MPZL3;CBL;PHLDB1;IFT46	-0.35015	-2.33462	0.020726	0.307783
LTB4R	-0.25061	-2.33798	0.020547	0.306817
	0.348802	2.338337	0.020528	0.306817
	0.22357	2.338355	0.020527	0.306817
BMPR1B	-0.41251	-2.3324	0.020846	0.308416
	0.322893	2.337972	0.020547	0.306817
	-0.17515	-2.33053	0.020947	0.308877
	-0.27209	-2.33094	0.020925	0.308772
	-0.21564	-2.3384	0.020525	0.306817
GPR176;C15orf52;FSIP1	0.349624	2.333136	0.020806	0.30819
	0.235032	2.337927	0.02055	0.306817
	0.275974	2.333688	0.020777	0.308019
	1.483954	2.334388	0.020739	0.307783
HHAT	0.264801	2.333308	0.020797	0.30816
	0.288707	2.33733	0.020582	0.30699
	0.136671	2.327197	0.021128	0.309538
	0.307682	2.338221	0.020534	0.306817
SPARCL1;PTPN13;RN7SKP96;ENSG00000250062;MAPK10	-0.27192	-2.33195	0.02087	0.30846
	0.252612	2.332009	0.020867	0.30846
RPAP2	0.247985	2.336494	0.020626	0.307262
	0.227024	2.335348	0.020687	0.307561
	0.187645	2.334363	0.02074	0.307783
RHOH;SMIM14;RBM47;NSUN7;APBB2	-0.32525	-2.33425	0.020747	0.307783
	-0.17938	-2.33697	0.020601	0.307127
	0.302332	2.330908	0.020926	0.308772
	-0.33111	-2.33707	0.020596	0.307104
UNC93B1;GSTP1;ALDH3B1;TBC1D10C;ALDH3B2;FAM86C2P;ENSG00000255306;PITPNM1;CDK2AP2;AIP;ENSG00000254610	-0.33993	-2.33598	0.020654	0.307411
	-0.27234	-2.33713	0.020592	0.307089
MLH3	0.297249	2.337043	0.020597	0.307111
	0.237172	2.336959	0.020601	0.307127
LCK;MARCKSL1;MTMR9LP	-0.30104	-2.33101	0.020921	0.308772
	-0.21353	-2.33463	0.020726	0.307783
	0.224039	2.335802	0.020663	0.307447
MCAM;CBL;TRIM29	-0.32456	-2.33398	0.020761	0.307881
	0.176892	2.334333	0.020742	0.307783
	0.196541	2.332764	0.020826	0.308316

BAIAP2;ALYREF;WDR45B;ANAPC11;STRA13	-0.22072	-2.33657	0.020622	0.307262
	0.137761	2.333825	0.020769	0.307951
SNAPC5;AAGAB	-0.37494	-2.32804	0.021082	0.309314
	0.26729	2.335599	0.020674	0.307512
	0.215349	2.336085	0.020648	0.30737
TNXB;SLC44A4;C6orf10;NOTCH4;C4A;ENSG00000225914;CCHCR1	-0.22365	-2.33426	0.020746	0.307783
	-0.21518	-2.33609	0.020648	0.30737
TLE6	-0.22789	-2.33026	0.020961	0.308948
	-0.23372	-2.33791	0.020551	0.306817
ENSG00000235772;UBASH3A	-0.19841	-2.33659	0.020621	0.307262
	-0.16637	-2.33156	0.020891	0.308585
	0.20883	2.331602	0.020889	0.308585
	-0.20256	-2.33441	0.020738	0.307783
	-0.14741	-2.33447	0.020734	0.307783
PLEKHB2;TUBA3D;CCDC74A;ENSG00000213222	0.379148	2.336369	0.020633	0.307262
KAZN;DNAJC16;FBLIM1;HSPB7;ENSG00000224621;DDI2;RSG1	-0.27928	-2.33647	0.020628	0.307262
	-0.24424	-2.32734	0.02112	0.309527
	-0.2039	-2.33137	0.020901	0.308649
	0.403246	2.337932	0.02055	0.306817
	0.35041	2.335622	0.020673	0.307512
DOK2	0.206748	2.335515	0.020679	0.307535
	-0.19986	-2.33495	0.020709	0.307675
	0.18427	2.336323	0.020635	0.307272
	0.272473	2.334186	0.02075	0.307792
	0.171736	2.336748	0.020613	0.307222
TBC1D24;ZG16B;ENSG00000272079;CLUAP1;RNPS1;CLDN9	0.692658	2.336495	0.020626	0.307262
	0.158901	2.33512	0.0207	0.307633
EHF	-0.33412	-2.33389	0.020766	0.307928
OFD1P17;C5orf42	-0.26321	-2.3315	0.020895	0.308616
	0.189913	2.330674	0.020939	0.308822
	0.254097	2.334732	0.02072	0.307763
CXCR6;XCR1	0.255481	2.334075	0.020756	0.307848
	0.196085	2.335138	0.020699	0.307632
	-0.24567	-2.333	0.020814	0.30822
	0.190796	2.333646	0.020779	0.308019
	-0.21049	-2.32975	0.020989	0.309017
TMEM14B;TMEM14C	-0.29752	-2.33527	0.020692	0.307591
	-0.17417	-2.33405	0.020757	0.307849
	-0.23015	-2.33094	0.020925	0.308772
SOWAHB	-0.40436	-2.33341	0.020791	0.308126
	0.219756	2.326927	0.021143	0.309615
	-0.29375	-2.33757	0.020569	0.306929
	0.201363	2.333867	0.020767	0.307928
	0.121046	2.331959	0.02087	0.30846

TMEM99	0.316777	2.335735	0.020667	0.307477
	0.231963	2.336384	0.020632	0.307262
	-0.22645	-2.3319	0.020873	0.308471
LSM2	0.156855	2.335559	0.020676	0.307522
KAZN;DDI2;FHAD1;ENSG00000228140	0.302938	2.335899	0.020658	0.307422
	-0.17505	-2.32886	0.021038	0.30921
	0.192383	2.332587	0.020836	0.308365
	0.205058	2.33747	0.020574	0.306929
	0.291432	2.335858	0.02066	0.307433
	0.388217	2.336377	0.020632	0.307262
MRPL36;NDUFS6;CLPTM1L	-0.24976	-2.33545	0.020682	0.307556
	-0.27296	-2.33632	0.020635	0.307272
	-0.37236	-2.33477	0.020718	0.307751
	-0.20485	-2.33236	0.020848	0.308421
	-0.25056	-2.33321	0.020802	0.30816
	-0.30783	-2.33387	0.020767	0.307928
KIAA2013	0.231572	2.332581	0.020836	0.308365
	-0.20314	-2.33504	0.020704	0.307645
	0.201413	2.333188	0.020803	0.30816
SLC16A5;FDXR;TTYH2;GPRC5C;SLC9A3R1 ZNF671	-0.20551	-2.33456	0.02073	0.307783
	0.197651	2.333583	0.020782	0.308047
	-0.37524	-2.33565	0.020671	0.307505
KIF28P ENSG00000224992	-0.3091	-2.33269	0.02083	0.308352
	0.242003	2.33121	0.02091	0.308727
	0.202472	2.33309	0.020809	0.308197
C14orf79;KIF26A ADAM8;FUOM	0.231293	2.331626	0.020888	0.308585
	0.266989	2.33214	0.02086	0.30846
	0.300701	2.33233	0.02085	0.308427
MCAT;TTLL1;CENPM;NFAM1;ACO2;BIK;SMDT1 EIF2AK1;FOXK1;CYTH3;RSPH10B;FSCN1	-0.22303	-2.33591	0.020658	0.307422
	0.230977	2.329234	0.021017	0.309177
	-0.4354	-2.33451	0.020732	0.307783
C8orf12;FAM167A	-0.352	-2.33444	0.020736	0.307783
	0.197827	2.33302	0.020812	0.30822
	0.260449	2.333494	0.020787	0.308075
GRASP;ACVRL1;KRT80;SLC4A8;ACVR1B;SLC11A2	0.275989	2.33277	0.020826	0.308316
	0.291857	2.334209	0.020749	0.307783
	-0.30954	-2.32876	0.021043	0.309236
TSPAN4;IFITM2;MRPL23;PKP3;IFITM3;RASSF7 ECHS1;PWWP2B;INPP5A	-0.20491	-2.32871	0.021046	0.309238
	0.186576	2.327087	0.021134	0.309558
	-0.25992	-2.33461	0.020727	0.307783
AGAP2;ARHGAP9	0.30919	2.333305	0.020797	0.30816
	0.300363	2.330522	0.020947	0.308877
	-0.40506	-2.33657	0.020622	0.307262
ENSG00000272950 ITPR2	-0.36047	-2.33538	0.020686	0.307561
	-0.1898	-2.33055	0.020946	0.308877
SLC34A2;PI4K2B;SMIM20;STIM2;SEL1L3;ANAPC4;TBC1D19	0.304663	2.333517	0.020786	0.308075

	0.206823	2.333113	0.020807	0.308197
	-0.29569	-2.33538	0.020686	0.307561
	0.291346	2.334919	0.02071	0.307675
	-0.21767	-2.33213	0.02086	0.30846
	0.189101	2.336404	0.020631	0.307262
	0.280674	2.332813	0.020824	0.308298
	0.203026	2.334338	0.020742	0.307783
	0.156773	2.331445	0.020897	0.308616
	0.259166	2.334495	0.020733	0.307783
	0.267745	2.330414	0.020953	0.3089
	0.307802	2.330933	0.020925	0.308772
	-0.22113	-2.32867	0.021048	0.309238
CSK;ISLR;SCAMP2	-0.22552	-2.32925	0.021016	0.309177
	0.179034	2.332149	0.020859	0.30846
	0.259875	2.332002	0.020867	0.30846
	0.270978	2.334056	0.020757	0.307849
MFNG;APOL3;CSF2RB;CDC42EP1;CARD10;LGALS1;MYH9;TRIOB P	-0.23344	-2.32725	0.021125	0.309538
	0.234524	2.332486	0.020841	0.308396
	0.241653	2.335596	0.020674	0.307512
ENSG00000176349	0.236185	2.326528	0.021164	0.309735
	0.2701	2.333351	0.020795	0.308146
	0.196729	2.335945	0.020656	0.307422
	0.288108	2.33158	0.02089	0.308585
	0.17319	2.329082	0.021025	0.309177
	-0.17523	-2.3317	0.020883	0.308564
	0.272367	2.329966	0.020977	0.308985
	-0.41509	-2.33431	0.020743	0.307783
	0.217512	2.328827	0.021039	0.30921
	-0.15437	-2.33145	0.020897	0.308616
	-0.19852	-2.33262	0.020834	0.308352
SLC22A17;EFS	0.257756	2.32972	0.020991	0.309017
	-0.22695	-2.33524	0.020693	0.307591
ATP5C1	0.225693	2.330323	0.020958	0.308948
	0.231863	2.331856	0.020875	0.308488
	-0.17252	-2.33198	0.020868	0.30846
TMEM183A;TIMM17A;SYT2	-0.21062	-2.3334	0.020792	0.308126
	0.21082	2.333252	0.0208	0.30816
DOCK1;ENSG00000227076;ENSG00000232259	0.215311	2.329135	0.021022	0.309177
BASP1;ENSG00000215196	0.293312	2.333791	0.020771	0.307967
	-0.2546	-2.33467	0.020724	0.307779
	0.23771	2.330113	0.020969	0.308985
	-0.38471	-2.33299	0.020814	0.30822
KCNAB1;TIPARP	-0.4829	-2.33159	0.020889	0.308585
	0.198336	2.330708	0.020937	0.308815
FYN;ENSG00000237234;ENSG00000271208;LAMA4;ENSG0000 0226440	-0.35958	-2.32906	0.021026	0.309177

CD5;INTS5;DDB1;DAK;SCGB2A1;TMEM258	-0.29634	-2.33491	0.020711	0.307675
DYRK4	0.190299	2.333507	0.020786	0.308075
MICU2	0.354478	2.331852	0.020875	0.308488
	-0.2412	-2.33293	0.020817	0.30824
	-0.29634	-2.33199	0.020868	0.30846
	0.298109	2.330791	0.020933	0.30878
	-0.21355	-2.33422	0.020748	0.307783
TNXB;SLC44A4;CLIC1	0.350874	2.332219	0.020856	0.30846
	0.237374	2.333217	0.020802	0.30816
	0.218534	2.334132	0.020753	0.307813
	-0.24361	-2.32766	0.021103	0.309449
	0.228846	2.33414	0.020752	0.307813
	0.276729	2.328964	0.021032	0.309177
	-0.19871	-2.33232	0.02085	0.308427
	0.146188	2.327316	0.021121	0.309534
GGT5;C22orf15;GGT1;FAM211B;ADORA2A-AS1	-0.22208	-2.32989	0.020981	0.308985
	0.202731	2.328505	0.021057	0.309292
	0.21984	2.330032	0.020974	0.308985
ZDHHC13;E2F8;TSG101	-0.19672	-2.33447	0.020735	0.307783
	-0.20674	-2.33433	0.020742	0.307783
	-0.14362	-2.33207	0.020864	0.30846
	-0.22172	-2.33616	0.020644	0.307346
H19	-0.30433	-2.32787	0.021091	0.309328
	-0.2734	-2.33088	0.020928	0.30878
	-0.26585	-2.33019	0.020965	0.308985
CNTNAP1;AOC3;MEOX1;MPP2;GPATCH8;RUNDC1;COA3;G6PC3;VPS25;EZH1;BRCA1	-0.3306	-2.33102	0.02092	0.308772
	0.227705	2.331249	0.020908	0.308713
	-0.25621	-2.33329	0.020798	0.30816
TMEM63B	-0.27713	-2.32819	0.021074	0.309292
ZNF563	0.133347	2.326327	0.021175	0.309753
	-0.24329	-2.3308	0.020932	0.30878
	0.880303	2.335062	0.020703	0.307639
FAM83H-AS1;FAM83H;RHPN1-AS1;ARHGAP39;MIR4664;ZNF34;ENSG00000254973	-0.27124	-2.32761	0.021106	0.309449
KIAA1257;GATA2;PLXND1;EFCAB12;IFT122;ENSG00000244300				
;RPL32P3	-0.242	-2.32969	0.020992	0.309017
	0.319127	2.333662	0.020778	0.308019
SMIM14;RBM47;UGDH;APBB2	-0.23691	-2.33321	0.020802	0.30816
	0.263422	2.328266	0.02107	0.309292
	-0.19332	-2.33066	0.02094	0.308822
YEATS2;FAM131A;ENSG00000273181;YEATS2-AS1	0.180186	2.332466	0.020842	0.308396
	0.224657	2.331665	0.020885	0.308573
	-0.18969	-2.33257	0.020837	0.308366
	0.327821	2.330447	0.020951	0.308891
	-0.17707	-2.33211	0.020862	0.30846
	0.320373	2.331927	0.020871	0.30846

	0.140366	2.331574	0.02089	0.308585
	-0.16207	-2.33081	0.020932	0.30878
	-0.21382	-2.32922	0.021018	0.309177
	-0.43756	-2.33197	0.020869	0.30846
	0.20319	2.332141	0.02086	0.30846
CARD8	-0.28948	-2.334	0.02076	0.307872
	0.218317	2.331556	0.020891	0.308585
HMHA1;ARID3A;REEP6;CSNK1G2-AS1;SHC2;GPX4	-0.18659	-2.32874	0.021044	0.309236
	-0.26846	-2.32994	0.020979	0.308985
CDH11	0.304095	2.332178	0.020858	0.30846
	-0.23018	-2.33226	0.020853	0.308459
	-0.33371	-2.33148	0.020896	0.308616
KIF21B;NR5A2;C1orf106	0.349724	2.329011	0.021029	0.309177
ENSG00000236467;KCNMA1	0.323012	2.325843	0.021202	0.309822
	-0.17431	-2.33218	0.020858	0.30846
	-0.34706	-2.33092	0.020926	0.308772
ENSG00000178404;C1QTNF1;TIMP2;TNRC6C	0.212098	2.328846	0.021038	0.30921
	-0.24404	-2.3272	0.021128	0.309538
	0.258244	2.333	0.020813	0.30822
AFAP1L2;ADRB1;DCLRE1A;TRUB1;CASP7;C10orf118;ATRNL1	-0.31728	-2.32915	0.021022	0.309177
	0.181529	2.32847	0.021059	0.309292
MSI2;ANKFN1;LPO;MKS1;DYNLL2;AKAP1;SRSF1;EPX	-0.22635	-2.3281	0.021079	0.309313
	0.305967	2.33125	0.020908	0.308713
	-0.28449	-2.33085	0.020929	0.30878
	0.197547	2.332904	0.020819	0.30824
CPNE5;RNF8	-0.28905	-2.33114	0.020914	0.308727
	-0.28608	-2.32818	0.021075	0.309292
RBP2;ENSG00000248790	-0.14543	-2.33234	0.020849	0.308427
	0.205145	2.327338	0.02112	0.309527
BIN1	0.371932	2.334292	0.020744	0.307783
	-0.19389	-2.32994	0.020979	0.308985
	0.368697	2.33076	0.020934	0.308784
HEYL;MACF1;RIMS3;PPIE;TRIT1;AKIRIN1;ZMPSTE24;NFYC;KCNQ4;ENSG00000259943	-0.29929	-2.32759	0.021106	0.309449
LINC01132;COA6;B3GALNT2	-0.33812	-2.33044	0.020952	0.308891
IGF2;MRPL23;NAP1L4;MOB2;CARS	-0.21168	-2.32662	0.02116	0.309719
	-0.30157	-2.33319	0.020803	0.30816
ENSG00000260051	-0.26705	-2.33368	0.020777	0.308019
	0.250699	2.332031	0.020866	0.30846
	-0.22969	-2.32895	0.021032	0.309177
FAM174B;RGMA;ENSG00000260337;SLCO3A1;ENSG00000258676;LINC00930	-0.34496	-2.33267	0.020831	0.308352
	-0.23924	-2.32641	0.021171	0.309744
	0.25876	2.329001	0.02103	0.309177
	0.237785	2.329702	0.020992	0.309017
	0.218248	2.329083	0.021025	0.309177

	-0.38193	-2.32713	0.021132	0.309555
	0.224466	2.332903	0.020819	0.30824
NUAK1	0.270008	2.329905	0.020981	0.308985
BUB1B;CASC5;SRP14-AS1;NUSAP1;TYRO3;RAD51;GCHFR	-0.30906	-2.32689	0.021145	0.30963
	0.303888	2.328197	0.021073	0.309292
CARD11	0.322716	2.328209	0.021073	0.309292
	0.330199	2.329092	0.021025	0.309177
	-0.23426	-2.32986	0.020983	0.308989
	-0.28985	-2.32898	0.021031	0.309177
	0.180321	2.33054	0.020946	0.308877
	-0.24193	-2.3339	0.020765	0.307928
	0.187057	2.333655	0.020778	0.308019
COX6CP1	-0.14181	-2.32962	0.020996	0.30905
	0.20532	2.330918	0.020926	0.308772
SECTM1	0.261916	2.334213	0.020748	0.307783
	0.231378	2.330137	0.020968	0.308985
	0.230278	2.331319	0.020904	0.308678
ADCY4;NFATC4;DCAF11;SLC22A17;CDH24;RBM23;EFS	0.155421	2.327541	0.021109	0.309449
	0.224195	2.330444	0.020952	0.308891
	0.242421	2.328189	0.021074	0.309292
	-0.1723	-2.33003	0.020974	0.308985
OARD1	-0.3039	-2.32751	0.021111	0.309452
	0.287817	2.325921	0.021198	0.309822
	0.343569	2.332432	0.020844	0.30841
CCL19;UNC13B	0.300118	2.332498	0.020841	0.308396
TAPT1-AS1	-0.20597	-2.32939	0.021008	0.309159
	-0.42823	-2.33246	0.020842	0.308396
CD27	0.227101	2.332751	0.020827	0.308316
	0.17757	2.333368	0.020794	0.308144
	-0.14752	-2.32898	0.021031	0.309177
	-0.30143	-2.33181	0.020878	0.308512
	-0.29218	-2.33265	0.020832	0.308352
LRRC3DN;ENSG00000267857;ADARB1;LRRC3	0.305668	2.330128	0.020969	0.308985
	0.195371	2.329248	0.021016	0.309177
	0.269372	2.327428	0.021115	0.309498
	-0.31789	-2.33083	0.020931	0.30878
	0.161051	2.328024	0.021083	0.309314
PPP1R11	0.564136	2.331004	0.020921	0.308772
	-0.27139	-2.32995	0.020978	0.308985
SYNJ2	-0.29375	-2.3299	0.020981	0.308985
PDRG1	0.292956	2.32851	0.021056	0.309292
	0.26179	2.329934	0.020979	0.308985
	0.178608	2.324188	0.021293	0.310351
ENSG00000264527;UBAC1;ENSG00000233936;C9orf116;PPP1R26-AS1;INPP5E;C9orf163;PPP1R26;QSOX2;SNHG7;SEC16A;CAMSA				
P1	-0.32925	-2.33437	0.02074	0.307783



ACTR8		-0.20407	-2.33169	0.020884	0.308564
		-0.19929	-2.32993	0.02098	0.308985
		0.110073	2.328387	0.021063	0.309292
	39508	-0.3698	-2.32369	0.02132	0.310531
		-0.20294	-2.33077	0.020934	0.308784
		-0.18291	-2.32851	0.021056	0.309292
MLLT4;THBS2		-0.35057	-2.331	0.020921	0.308772
		0.31666	2.329721	0.020991	0.309017
		0.227218	2.329463	0.021005	0.309159
		0.228295	2.326063	0.02119	0.309794
		0.274205	2.326684	0.021156	0.309711
		0.287772	2.332624	0.020834	0.308352
ITGAL;ITGAX		-0.3366	-2.32983	0.020985	0.308993
		-0.33412	-2.33202	0.020866	0.30846
		-0.17397	-2.32717	0.02113	0.309538
		0.290561	2.327938	0.021088	0.309325
		-0.20211	-2.32942	0.021007	0.309159
		0.173334	2.324824	0.021258	0.310128
PDP1		-0.3624	-2.33051	0.020948	0.308879
TBC1D7;PHACTR1		-0.31253	-2.32188	0.02142	0.311001
		0.210807	2.332403	0.020846	0.308416
		-0.21159	-2.32836	0.021065	0.309292
		-0.15841	-2.32767	0.021102	0.309449
		-0.3286	-2.33211	0.020861	0.30846
		0.158337	2.331727	0.020882	0.308555
TMC8;TMC6		-0.34171	-2.32961	0.020997	0.30905
		0.244533	2.327529	0.02111	0.309449
		0.337083	2.328812	0.02104	0.30921
		-0.2602	-2.3226	0.02138	0.310851
		0.285358	2.330283	0.02096	0.308948
		0.182269	2.329245	0.021017	0.309177
SYDE1;ENSG00000141854;TECR;CACNA1A;RASAL3;ITGB1P1		0.234384	2.330058	0.020972	0.308985
		0.317078	2.328824	0.021039	0.30921
		0.291275	2.326118	0.021187	0.309789
		-0.19073	-2.32998	0.020976	0.308985
		-0.30731	-2.3254	0.021226	0.309943
		0.185499	2.328021	0.021083	0.309314
LHFP		-0.29258	-2.33066	0.02094	0.308822
		-0.20276	-2.33	0.020976	0.308985
		0.247319	2.329845	0.020984	0.308992
		0.388696	2.333087	0.020809	0.308197
PCDH12;SPRY4;PCDHGC3;PCDH1;ENSG00000271871;KIAA0141;PCDHGB2;PCDHGA5;FGF1;PCDHGA2;PCDHGB7		0.274554	2.327115	0.021132	0.309555
		0.280923	2.328118	0.021078	0.309313
ADAMTS6;RNF180		-0.26138	-2.32614	0.021186	0.309789
		-0.23031	-2.33114	0.020914	0.308727

CBX2;TIMP2;C1QTNF1;CYTH1;CCDC40;CBX8;CANT1	0.296268	2.325102	0.021243	0.310012
	0.368431	2.321395	0.021447	0.311162
	-0.34889	-2.33085	0.020929	0.30878
AADACL2;ENSG00000240137;ENSG00000242908;ENSG00000241151;MRPL42P6;ENSG00000222833;ENSG00000242097;ENSG00000244668	-0.297	-2.32915	0.021022	0.309177
COL6A3;LINC01107;RAB17 C3orf67;ABHD6;ENSG00000242428;DENND6A;RPP14;FLNB;FA M3D;ENSG00000270772 SH3TC1 DCTPP1;SEPHS2;TGFB1I1	0.237646	2.327637	0.021104	0.309449
	-0.25404	-2.32799	0.021085	0.309323
	-0.25511	-2.32808	0.02108	0.309313
EPDR1;SFRP4	0.240725	2.331731	0.020882	0.308555
	0.238384	2.325139	0.02124	0.310008
	0.260795	2.326481	0.021167	0.309735
EXOC3L4;TNFAIP2 DPY30	-0.20285	-2.33049	0.020949	0.308885
	0.26078	2.330182	0.020966	0.308985
	-0.15435	-2.32903	0.021028	0.309177
IRF1 DALRD3;P4HTM;PRKAR2A-AS1;NME6;DHX30	-0.33681	-2.32402	0.021302	0.310425
	-0.13201	-2.32471	0.021264	0.310155
	-0.27438	-2.3294	0.021008	0.309159
TM4SF18 TXNDC11;ENSG00000260310	-0.33238	-2.32415	0.021295	0.310358
	0.274648	2.329017	0.021029	0.309177
	-0.24769	-2.32022	0.021512	0.311449
SDC3 CD8B;CD8A PIK3CD NUP210	-0.23979	-2.32908	0.021025	0.309177
	-0.19975	-2.32585	0.021201	0.309822
	-0.16239	-2.32438	0.021282	0.310291
OASL RASSF1 C2CD2L;IL10RA;DSCAML1;MCAM;CCDC153;CBL;CD3G;IFT46;M PZL3;NLRX1	-0.41837	-2.32322	0.021346	0.310689
	0.499074	2.330968	0.020923	0.308772
	0.168925	2.327287	0.021123	0.309538
	0.289266	2.331952	0.02087	0.30846
	-0.37335	-2.32842	0.021062	0.309292
	-0.13742	-2.32597	0.021195	0.309822
	-0.16813	-2.33003	0.020974	0.308985
	0.257249	2.324261	0.021289	0.310324
	0.252105	2.330953	0.020924	0.308772
	0.209842	2.324176	0.021293	0.310351
	0.382878	2.329862	0.020983	0.308989
	0.290629	2.332899	0.020819	0.30824
	-0.2914	-2.32815	0.021076	0.309304
	-0.24287	-2.32882	0.02104	0.30921
	0.284065	2.324906	0.021253	0.310094
	0.262096	2.326136	0.021186	0.309789
	0.191582	2.325216	0.021236	0.309989
	-0.25438	-2.32847	0.021058	0.309292
	0.192581	2.329345	0.021011	0.309177
	0.214078	2.329147	0.021022	0.309177
	0.265026	2.331171	0.020912	0.308727

GCC2;CCDC138;SH3RF3-AS1;SLC5A7;LIMS1	0.334568	2.326426	0.02117	0.309744
	0.15895	2.320544	0.021494	0.311392
	-0.17882	-2.32835	0.021065	0.309292
	0.212437	2.33003	0.020974	0.308985
	0.150513	2.329382	0.021009	0.309159
	-0.23334	-2.32529	0.021232	0.309989
HERC2P4	0.261888	2.328219	0.021072	0.309292
	0.224759	2.331144	0.020914	0.308727
USP48;ZBTB40	0.254087	2.326755	0.021152	0.309686
	0.260117	2.331072	0.020918	0.308769
ITPRIPL2;CLEC19A;ENSG00000259871;ENSG00000188477	-0.36492	-2.3189	0.021585	0.311618
MTHFR	0.20963	2.330279	0.02096	0.308948
SLC13A3	0.193739	2.328306	0.021068	0.309292
	0.255633	2.331138	0.020914	0.308727
	-0.29634	-2.33147	0.020896	0.308616
ADSL	0.186458	2.325713	0.021209	0.309857
	0.321073	2.329638	0.020995	0.30905
CYP4Z2P;UQCRH	-0.1685	-2.32739	0.021117	0.309505
	0.111381	2.328411	0.021062	0.309292
	-0.57866	-2.32791	0.021089	0.309325
	-0.22275	-2.32869	0.021047	0.309238
ANKRD65;MXRA8;VWA1;RNF223;ENSG00000272106;SAMD11;				
LINC01128	-0.41002	-2.32234	0.021394	0.310892
LAIR1;LILRB1;SUV420H2	0.362522	2.328681	0.021047	0.309238
PDGFRB;MYOZ3;HMGXB3	0.253066	2.328947	0.021033	0.309177
LYPD6B	0.197567	2.325341	0.021229	0.309969
	-0.20842	-2.33082	0.020931	0.30878
NEK1;CLCN3;RPL9P16;SH3RF1;PALLD	-0.43583	-2.32808	0.02108	0.309313
	0.219463	2.329407	0.021008	0.309159
COL4A2;COL4A1	-0.38017	-2.32839	0.021063	0.309292
	-0.15354	-2.32213	0.021406	0.31097
	0.304193	2.327881	0.021091	0.309328
PSMA5;SYPL2;GSTM5;CLCC1	0.231082	2.327926	0.021088	0.309325
	-0.16529	-2.32234	0.021394	0.310892
BAIAP2;CD7	0.426433	2.32837	0.021064	0.309292
ABCA3;TBC1D24;CCNF	-0.85547	-2.32939	0.021009	0.309159
	0.260034	2.321799	0.021424	0.311017
	-0.12698	-2.32834	0.021066	0.309292
	0.215204	2.326757	0.021152	0.309686
	0.161108	2.328256	0.02107	0.309292
	-0.29147	-2.32664	0.021158	0.309719
ELTD1;NEXN;AK5	0.453737	2.328275	0.021069	0.309292
ZBTB9;HSD17B8	-0.18452	-2.32664	0.021158	0.309719
	0.263731	2.326404	0.021171	0.309744
	0.264473	2.331173	0.020912	0.308727
	-0.39034	-2.32887	0.021037	0.30921
	0.304264	2.326034	0.021191	0.309794

	-0.28173	-2.32723	0.021126	0.309538
GRIN3B;PCSK4;GPX4;PPAP2C;ENSG00000129951;PALM;FSTL3	-0.32985	-2.32566	0.021212	0.309873
	0.227051	2.329695	0.020992	0.309017
	-0.24247	-2.32613	0.021186	0.309789
	0.208192	2.325576	0.021217	0.30989
RNF224;CAMSAP1;TMEM141;C9orf139;UAP1L1;C9orf169	0.266613	2.326619	0.02116	0.309719
	-0.25486	-2.32372	0.021318	0.310524
	0.353252	2.328292	0.021068	0.309292
F11R;PVRL4;TSTD1;MPZ;SDHC;ADAMTS4;UFC1;ATP1A2;ENSG0000213080;PPOX;C1orf192;KLHDC9	-0.37603	-2.3274	0.021117	0.309505
	0.185386	2.326933	0.021142	0.309615
	-0.16256	-2.32586	0.021201	0.309822
	-0.13848	-2.32142	0.021445	0.311162
RBPM5;GTF2E2;DUSP4;HMBBOX1;LINC00589;TMEM66;KIF13B	-0.38745	-2.32342	0.021335	0.310631
ARRDC4	0.277679	2.321977	0.021414	0.310991
	0.159319	2.325643	0.021213	0.309873
	0.166869	2.319381	0.021558	0.31154
	0.196616	2.325551	0.021218	0.30989
	0.208334	2.327875	0.021091	0.309328
	0.237789	2.323711	0.021319	0.310524
	0.363803	2.326562	0.021163	0.309735
	-0.39495	-2.32631	0.021177	0.309759
	-0.14578	-2.32281	0.021369	0.310782
	-0.2286	-2.32875	0.021043	0.309236
	-0.25691	-2.32703	0.021137	0.309569
IL10RA;CD3G;CD3E;CBL;AMICA1;CD3D	0.328473	2.326961	0.021141	0.309615
QPCTL	-0.17358	-2.32661	0.02116	0.309719
WDR45B;PCYT2	0.297597	2.330054	0.020973	0.308985
	-0.24492	-2.32849	0.021058	0.309292
	-0.15444	-2.32494	0.021251	0.310085
	0.273882	2.326365	0.021173	0.309744
	0.237535	2.32521	0.021237	0.309989
	-0.23388	-2.32637	0.021173	0.309744
LST1;AIF1;GPSM3;PSMB8;HLA-DMB;NELFE;HLA-DRA	-0.23443	-2.32613	0.021186	0.309789
ZNF101;GMIP;LINC00663;TSSK6	-0.24966	-2.3298	0.020986	0.309005
	0.165989	2.325632	0.021213	0.309873
	0.231926	2.328547	0.021054	0.309292
	-0.23289	-2.32365	0.021322	0.310549
	0.381751	2.320347	0.021504	0.311449
	-0.34415	-2.3286	0.021052	0.309279
GTF3C1;KIAA0556;IL21R	-0.24567	-2.32802	0.021083	0.309314
SOX18;ZBTB46;STMN3;COL9A3;RTEL1-				
TNFRSF6B;SLC17A9;SLC2A4RG;RGS19	-0.23606	-2.32488	0.021254	0.310101
	0.318776	2.329169	0.021021	0.309177

CDKL2;FAM47E;SHROOM3;SEPT11	-0.16941	-2.32413	0.021296	0.310368
	0.161926	2.326697	0.021155	0.309711
	-0.29582	-2.32717	0.02113	0.309538
	-0.32205	-2.32508	0.021244	0.310021
	0.184304	2.32641	0.021171	0.309744
	0.277263	2.325858	0.021201	0.309822
	0.206224	2.327072	0.021135	0.30956
	0.187305	2.330293	0.02096	0.308948
	0.179305	2.32832	0.021067	0.309292
	0.301367	2.328717	0.021045	0.309238
GPSM1;PTGDS;ENSG00000264527;LCNL1 TPPP	-0.21023	-2.32427	0.021288	0.310324
	-0.23187	-2.32679	0.02115	0.309675
	0.274424	2.327569	0.021108	0.309449
ANKDD1B;ZBED3;PDE8B;F2RL1;POC5;IQGAP2;WDR41;POLK ENSG00000260977;CRIPT ACAP1;PIK3R6;PIK3R5;KCTD11;CTC1	-0.41333	-2.32573	0.021208	0.309857
	-0.43078	-2.32754	0.021109	0.309449
	-0.29281	-2.32639	0.021172	0.309744
	0.120831	2.325045	0.021246	0.310036
ASH1L-AS1;YY1AP1 ENSG00000254000;ZHX2;FER1L6	-0.34198	-2.32754	0.021109	0.309449
	-0.15673	-2.32542	0.021225	0.309943
	-0.42987	-2.32974	0.02099	0.309017
	0.307595	2.327609	0.021105	0.309449
	-0.28286	-2.32858	0.021053	0.309279
	0.311345	2.326076	0.021189	0.309794
	-0.30596	-2.32522	0.021236	0.309989
	0.228589	2.324859	0.021256	0.31011
	0.150737	2.325344	0.021229	0.309969
	0.237742	2.328071	0.02108	0.309313
TCP11L1;ENSG00000184566;CD59;PIGCP1;HIPK3;DEPDC7;NAT 10;QSER1;ABTB2;CCDC73;LMO2	0.33221	2.327799	0.021095	0.309372
	-0.31664	-2.31845	0.02161	0.311618
	-0.22969	-2.32914	0.021022	0.309177
	0.302463	2.325706	0.021209	0.309857
TBC1D10C;ENSG00000255306;MRGPRF;ALDH3B1;PITPNM1;U NC93B1	-0.1826	-2.32574	0.021208	0.309857
	-0.33722	-2.3268	0.02115	0.309675
	-0.24298	-2.32589	0.021199	0.309822
	-0.22839	-2.32622	0.021181	0.309773
	0.275687	2.328993	0.02103	0.309177
	-0.16163	-2.32525	0.021234	0.309989
	0.224882	2.327181	0.021129	0.309538
	0.242778	2.330052	0.020973	0.308985
	-0.27584	-2.32905	0.021027	0.309177
	-0.3008	-2.31762	0.021656	0.311792
TOMM40 SLC1A2;PRR5L;RAG2;PAMR1	-0.31473	-2.32859	0.021052	0.309279
	-0.26903	-2.32585	0.021202	0.309822
	-0.18445	-2.3205	0.021496	0.311406

KLC4;C6orf132;RSPH9;DNPH1;TRERF1 SIRPA	0.216099	2.324916	0.021253	0.310094
	0.313197	2.326364	0.021173	0.309744
	0.169507	2.326923	0.021143	0.309615
PRF1	0.260915	2.329242	0.021017	0.309177
	0.248689	2.31809	0.02163	0.311657
TJP3;GIPC3;TNFAIP8L1	-0.37813	-2.32603	0.021191	0.309794
	-0.16816	-2.32581	0.021204	0.309828
	0.200892	2.327169	0.021129	0.309538
	-0.35076	-2.32727	0.021124	0.309538
	0.191444	2.319935	0.021527	0.311449
	0.21795	2.326547	0.021163	0.309735
	-0.20597	-2.3253	0.021231	0.309987
C22orf34;MAPK12;ENSG00000213279 FENDRR;FOXF1	-0.26708	-2.32603	0.021192	0.309794
	-0.22971	-2.32354	0.021328	0.310586
	0.168029	2.328258	0.02107	0.309292
HM13	-0.23653	-2.32346	0.021333	0.310623
	0.210041	2.325557	0.021218	0.30989
	0.163977	2.321077	0.021464	0.311268
	-0.32064	-2.32345	0.021333	0.310623
	0.288673	2.326245	0.02118	0.309773
AQP1;PRR15;GGCT;NOD1 LHPP;CTBP2;DHX32	-0.11113	-2.32706	0.021136	0.30956
	0.140962	2.326563	0.021163	0.309735
	-0.24795	-2.32318	0.021348	0.310689
PARP11	-0.25272	-2.3244	0.021281	0.310289
	-0.31169	-2.3265	0.021166	0.309735
	0.125933	2.322867	0.021365	0.310782
NBL1;KLHDC7A	-0.3229	-2.31959	0.021546	0.311496
	-0.25185	-2.3244	0.021281	0.310289
	-0.13216	-2.324	0.021303	0.310426
	-0.36444	-2.32428	0.021287	0.310324
	-0.21777	-2.32791	0.021089	0.309325
	-0.21866	-2.32722	0.021127	0.309538
	-0.22404	-2.32028	0.021508	0.311449
PIK3CD	0.211113	2.323429	0.021334	0.310631
	0.26139	2.325883	0.0212	0.309822
	0.317909	2.323154	0.02135	0.310689
	-0.296	-2.32798	0.021085	0.309323
	-0.34222	-2.31905	0.021576	0.311618
RNF166;CBFA2T3;PIEZO1;ENSG00000261226;SPIRE2;ENSG000 00259881;SPATA33;ENSG00000224888	-0.39464	-2.32375	0.021317	0.310524
	0.317909	2.323154	0.02135	0.310689
	-0.296	-2.32798	0.021085	0.309323
	-0.34222	-2.31905	0.021576	0.311618
TM4SF18;ENSG00000224831;PFN2;ENSG00000268175;CP;ANK UB1;AGTR1;WWTR1;ENSG00000242791	-0.39464	-2.32375	0.021317	0.310524
	-0.32661	-2.31933	0.021561	0.311154
	0.171789	2.318073	0.021631	0.311657
	0.204199	2.325399	0.021226	0.309943
	-0.14399	-2.31932	0.021561	0.311154
	-0.24085	-2.31896	0.021581	0.311618
	0.220811	2.318564	0.021603	0.311618

ENSG00000250280;KRT18P60;MSRB3	-0.21594	-2.32844	0.02106	0.309292
	-0.18104	-2.32208	0.021409	0.31097
	-0.15984	-2.32372	0.021318	0.310524
	-0.36195	-2.32224	0.0214	0.310943
	0.247396	2.327545	0.021109	0.309449
ABI3;GNGT2	-0.19492	-2.32011	0.021518	0.311449
	-0.31613	-2.32759	0.021107	0.309449
	-0.25457	-2.32418	0.021293	0.310351
	-0.14026	-2.32478	0.02126	0.310146
	0.337403	2.322223	0.021401	0.310943
MIPOL1;SFTA3	-0.36629	-2.32358	0.021326	0.310584
ENSG00000233806	0.427664	2.324484	0.021276	0.310263
SSR3	0.192994	2.317962	0.021637	0.311666
	-0.20466	-2.32286	0.021366	0.310782
GPR124;FGFR1;RAB11FIP1	0.231886	2.320824	0.021478	0.311335
	0.311628	2.325845	0.021202	0.309822
	0.268833	2.324539	0.021273	0.31024
	0.344616	2.323188	0.021348	0.310689
BCL11B;SLC25A29;EML1;CYP46A1;ENSG00000235785;RPL3P4	-0.36381	-2.32022	0.021512	0.311449
	0.253246	2.327104	0.021133	0.309555
	0.232367	2.326486	0.021167	0.309735
C1orf110;OLFML2B;DDR2;C1orf226;RGS5;NUF2;ENSG00000232892	-0.37285	-2.32544	0.021224	0.309943
IGSF9B;JAM3;NTM;ENSG00000204241	0.330647	2.322882	0.021364	0.310782
	0.25585	2.319142	0.021571	0.311618
	0.288422	2.325954	0.021196	0.309822
	-0.19302	-2.32475	0.021262	0.310146
	0.290463	2.324966	0.02125	0.310082
PTPRS;RFX2;FUT3;HSD11B1L;CRB3	-0.40687	-2.3232	0.021347	0.310689
	0.167685	2.320191	0.021513	0.311449
	0.30625	2.327496	0.021112	0.309455
	-0.19652	-2.3221	0.021407	0.31097
SLC7A5	0.203348	2.324418	0.02128	0.310289
	-0.22641	-2.31828	0.021619	0.311634
MED8	-0.20957	-2.32674	0.021153	0.309689
TRAC;SLC7A7	-0.33994	-2.32683	0.021148	0.309665
DPF3	-0.20321	-2.3236	0.021325	0.310582
	-0.20532	-2.32435	0.021284	0.310309
	-0.21846	-2.32906	0.021026	0.309177
HIST2H4B;POGZ;SEMA6C;ENSA;FAM63A;GOLPH3L;PSMB4	0.346837	2.320296	0.021507	0.311449
	0.34495	2.323276	0.021343	0.310689
INHBB	0.262636	2.326249	0.02118	0.309773
	-0.17808	-2.32543	0.021225	0.309943
	0.177182	2.324961	0.02125	0.310082
CYTH3;RNF216;ENSG00000198580;EIF2AK1	0.229074	2.322019	0.021412	0.310976

	0.274309	2.324489	0.021276	0.310263
	0.201823	2.324316	0.021286	0.310323
	0.272312	2.326023	0.021192	0.309794
	0.256746	2.326234	0.021181	0.309773
PLCD4	-0.23263	-2.3214	0.021446	0.311162
	0.234737	2.32376	0.021316	0.310524
	-0.27703	-2.32512	0.021241	0.310008
BTLA;CD200R1;CD96;ZBED2;PLCXD2	-0.27761	-2.32651	0.021165	0.309735
	-0.22683	-2.32088	0.021475	0.311327
	-0.25111	-2.32445	0.021278	0.310282
ERICH1;ENSG00000272005	0.234534	2.321429	0.021445	0.311162
	-0.20251	-2.32212	0.021407	0.31097
	0.198983	2.320727	0.021483	0.311349
	-0.22577	-2.31449	0.021831	0.312571
SRRM2;TSC2	0.207511	2.323763	0.021316	0.310524
FHAD1;KAZN	0.313482	2.325725	0.021208	0.309857
PPP1R18;DDR1;GABBR1;PPP1R11;DHX16;HLA-F-AS1;NRM	0.367512	2.319707	0.02154	0.311492
	-0.24558	-2.31951	0.021551	0.3115
	0.126966	2.318351	0.021615	0.311618
RAMP3	-0.22809	-2.32023	0.021511	0.311449
	0.254768	2.322851	0.021366	0.310782
RASGRP1;FSIP1;BMF	0.31659	2.322688	0.021375	0.310816
	-0.29237	-2.32457	0.021272	0.31024
	-0.27183	-2.32617	0.021184	0.309789
	-0.30572	-2.32611	0.021187	0.309789
PHF7	-0.2379	-2.31432	0.021841	0.312579
	0.15847	2.322921	0.021362	0.310782
	-0.20465	-2.32234	0.021394	0.310892
LTBP4;AXL;PRX;PSMC4	-0.30402	-2.32512	0.021242	0.310008
TACC1;FGFR1;GPR124;DDHD2;RAB11FIP1;PPAPDC1B;WHSC1L1	0.216461	2.322347	0.021394	0.310892
	-0.28386	-2.32098	0.021469	0.311293
DENND5B	0.212933	2.320199	0.021513	0.311449
	-0.15683	-2.32255	0.021383	0.310854
ENSG00000232454	0.216498	2.322988	0.021359	0.310762
OPTN	0.410197	2.326237	0.02118	0.309773
	-0.25922	-2.31662	0.021712	0.312064
	0.221247	2.325813	0.021204	0.309828
CLMN;SNHG10;DICER1-AS1;SERPINA6	-0.27572	-2.31346	0.021889	0.312732
	-0.20079	-2.32634	0.021175	0.309753
UGGT1	0.213427	2.320049	0.021521	0.311449
	0.322952	2.318852	0.021587	0.311618
	-0.24044	-2.3217	0.02143	0.311067
PDZD2;ENSG00000272086	-0.26336	-2.32065	0.021488	0.311384
	-0.17786	-2.31994	0.021527	0.311449
HIST1H3J;HIST1H1B;HIST1H2AL	0.338348	2.325639	0.021213	0.309873



IL1RL2;IL1RL1;IL1R2;IL18R1;MAP4K4;SLC9A4 AOAH;ELMO1	0.212361	2.319515	0.021551	0.3115
	-0.436	-2.32076	0.021482	0.311344
	0.254567	2.323726	0.021318	0.310524
	0.228693	2.319146	0.021571	0.311618
MYCBP;MTF1;AKIRIN1 FLI1;ARHGAP32;ETS1;SENCR	0.226871	2.323777	0.021315	0.310524
	-0.26962	-2.31984	0.021533	0.311468
	-0.20632	-2.32268	0.021375	0.310816
	0.185097	2.31713	0.021683	0.311951
	-0.20089	-2.32205	0.02141	0.310976
	-0.14463	-2.3224	0.021391	0.310892
	0.316703	2.3218	0.021424	0.311017
	-0.33449	-2.32071	0.021484	0.31135
	-0.14124	-2.32545	0.021223	0.309943
	-0.27395	-2.32555	0.021218	0.30989
	0.233414	2.321108	0.021462	0.311268
	0.168734	2.324762	0.021261	0.310146
	0.34433	2.323792	0.021314	0.310524
	0.274	2.323031	0.021356	0.310753
	0.270722	2.321569	0.021437	0.311107
ENSG00000240751 F10	-0.30309	-2.32525	0.021234	0.309989
	-0.25986	-2.31931	0.021562	0.31154
	0.249047	2.320534	0.021494	0.311392
	0.233575	2.32013	0.021517	0.311449
EPB41L5	-0.23414	-2.32007	0.02152	0.311449
	-0.21587	-2.32334	0.021339	0.310662
	-0.55694	-2.30511	0.022363	0.315084
TNXB;SLC44A4;C6orf10;NOTCH4;NELFE;LY6G5C;CLIC1;VWA7;E NSG00000225914;HSPA1A	0.219461	2.317786	0.021647	0.311729
	-0.45543	-2.32222	0.021401	0.310943
	0.33784	2.321052	0.021465	0.311268
	0.313537	2.324017	0.021302	0.310425
FGD2 UNC13D;ICT1;SLC16A5;MRPS7;SMIM5;SLC9A3R1	0.206821	2.318936	0.021583	0.311618
	-0.27447	-2.32419	0.021293	0.310351
	-0.1684	-2.32559	0.021216	0.30989
	0.288501	2.32158	0.021436	0.311107
	0.22473	2.322204	0.021402	0.310946
	-0.33132	-2.3225	0.021386	0.310862
	-0.19612	-2.31815	0.021626	0.311657
DDR1;TRIM31;MDC1;PPP1R11;BAG6;PPP1R10;LST1;HLA-F- AS1;MICA USP10;HSBP1;WFDC1;KIAA0513;ATP2C2;ENSG00000262601;E NSG00000260228;HSDL1;MBTPS1	-0.15804	-2.31641	0.021724	0.312084
	-0.33217	-2.32371	0.021319	0.310524
	-0.19847	-2.32275	0.021372	0.310786
	-0.25483	-2.32329	0.021342	0.310689
NDUFS1;FASTKD2	-0.34255	-2.32429	0.021287	0.310324
	-0.21813	-2.31596	0.021749	0.312173
	-0.18703	-2.32191	0.021418	0.310996

	-0.19202	-2.32004	0.021522	0.311449
	-0.26197	-2.32335	0.021339	0.31066
	0.286516	2.322755	0.021371	0.310786
	0.269058	2.322587	0.021381	0.310851
TMC4;HSPBP1;DNAAF3	-0.39566	-2.32097	0.02147	0.311294
	-0.55104	-2.32476	0.021261	0.310146
LIX1L;ANKRD35;CD160	-0.30464	-2.31972	0.021539	0.311489
ZNF618;ENSG00000234692;WDR31;C9orf43;DFNB31;TNFSF15; COL27A1	0.31307	2.32516	0.021239	0.310008
CARS;CDKN1C;CD81;NAP1L4	-0.22748	-2.32522	0.021236	0.309989
	-0.1382	-2.32237	0.021393	0.310892
ENSG00000188477	-0.30636	-2.31683	0.0217	0.312045
	0.294947	2.322179	0.021403	0.310956
IGF2;MRPL23;CARS	-0.35352	-2.31997	0.021526	0.311449
	0.350844	2.325186	0.021238	0.309997
	-0.20602	-2.31808	0.02163	0.311657
FAM83H-AS1	-0.2131	-2.32301	0.021357	0.310753
	-0.2311	-2.31786	0.021643	0.311704
	0.229645	2.319773	0.021536	0.311481
LMNA;UBQLN4;BCAN;TMEM79;RAB25	-0.31705	-2.32313	0.021351	0.310689
	-0.36584	-2.32104	0.021466	0.311271
ADD2;AAK1;ANXA4;SNRPG;GFPT1	-0.26107	-2.32395	0.021306	0.310444
	0.316751	2.31991	0.021529	0.311449
TRPM2	0.286875	2.322553	0.021383	0.310854
	0.194358	2.322427	0.02139	0.310884
	0.345329	2.324657	0.021267	0.310187
	-0.22488	-2.32109	0.021463	0.311268
	0.273386	2.320124	0.021517	0.311449
	0.243015	2.322045	0.021411	0.310976
ZNF876P;ENSG00000251652	0.418668	2.320541	0.021494	0.311392
	-0.22436	-2.31966	0.021542	0.311495
	0.328629	2.323179	0.021348	0.310689
	0.251603	2.320756	0.021482	0.311344
	-0.20321	-2.32194	0.021417	0.310996
MBD5	-0.28916	-2.31753	0.021661	0.311819
	0.239545	2.322905	0.021363	0.310782
	-0.48867	-2.32123	0.021456	0.311233
SCIN	-0.43118	-2.31819	0.021624	0.311657
IFI35;RPL27;ENSG00000267221;ZNF385C	-0.28082	-2.32176	0.021427	0.311104
ABI3;GNGT2;SKAP1	-0.2863	-2.32281	0.021368	0.310782
	0.200082	2.32021	0.021512	0.311449
	0.503731	2.319357	0.021559	0.311154
	-0.24313	-2.31829	0.021619	0.311634
	-0.26795	-2.32192	0.021418	0.310996
	0.162366	2.319571	0.021548	0.311496
	-0.27013	-2.32021	0.021512	0.311449
LIN9	0.348024	2.321196	0.021458	0.311246

CRY2	0.318383	2.323014	0.021357	0.310753
	0.226762	2.321184	0.021458	0.311246
	0.162524	2.324539	0.021273	0.31024
	0.218172	2.322468	0.021387	0.310871
WNT5B	-0.21508	-2.32166	0.021432	0.311077
ENTPD1;ENTPD1-AS1;SORBS1;ENSG00000269948	-0.34624	-2.31672	0.021706	0.312064
	-0.30589	-2.32356	0.021327	0.310586
	0.242594	2.319596	0.021546	0.311496
	-0.31502	-2.32353	0.021329	0.310586
TNK1	0.203706	2.319933	0.021527	0.311449
	-0.25366	-2.32474	0.021263	0.310146
	-0.19556	-2.3164	0.021724	0.312084
	0.10838	2.313372	0.021894	0.312746
RPL13P12	-0.19448	-2.32279	0.021369	0.310782
	-0.34176	-2.32321	0.021346	0.310689
	-0.30403	-2.32352	0.021329	0.310586
	0.368801	2.323155	0.021349	0.310689
ENSG00000213132	0.196808	2.319927	0.021528	0.311449
	0.332389	2.323138	0.02135	0.310689
	-0.3634	-2.31567	0.021765	0.312285
	-0.13822	-2.31837	0.021614	0.311618
RCSD1;MPC2	-0.27734	-2.32249	0.021386	0.310862
	-0.62308	-2.3241	0.021297	0.310379
	0.113395	2.319103	0.021574	0.311618
	0.232762	2.319359	0.021559	0.31154
POC1B	-0.25363	-2.32015	0.021515	0.311449
	-0.3234	-2.32098	0.021469	0.311293
	-0.24082	-2.32153	0.021439	0.311113
MORN1;C1orf222;ANKRD65;TTLL10;TTC34;FAM213B;ENSG0000272106;TTLL10-AS1;ENSG00000269896	-0.2686	-2.32279	0.02137	0.310782
	-0.30914	-2.31691	0.021695	0.312009
	0.178607	2.318763	0.021592	0.311618
	-0.12983	-2.32053	0.021494	0.311392
CEP41;KLHDC10;MEST	0.252055	2.317454	0.021665	0.311859
	-0.19167	-2.32373	0.021318	0.310524
	0.289057	2.322779	0.02137	0.310782
	0.197885	2.322531	0.021384	0.310854
GPR110	0.16375	2.320451	0.021499	0.311433
	-0.21523	-2.32107	0.021464	0.311268
	0.176475	2.321255	0.021454	0.311228
	-0.40199	-2.32263	0.021378	0.310848
ENSG00000256139;GIT2	-0.23116	-2.31318	0.021905	0.312762
	0.237762	2.323966	0.021305	0.310444
	-0.33936	-2.31681	0.021701	0.312047
	-0.39569	-2.32162	0.021434	0.311089
LY6D	0.188938	2.319671	0.021542	0.311495
	-0.3209	-2.32288	0.021365	0.310782

METTL6	0.292217	2.322587	0.021381	0.310851
PCNXL4;DAAM1;LRRC9	-0.30529	-2.32171	0.021429	0.311066
SPEG;RQCD1;DES;TTLL4;STK16;STK11IP;PNKD;GLB1L;TUBA4B; WNT6;STK36;C2orf62	-0.27032	-2.31657	0.021715	0.312064
	-0.27893	-2.32106	0.021465	0.311268
	0.203861	2.317562	0.021659	0.311819
	0.226696	2.320893	0.021474	0.311327
	0.257506	2.316255	0.021732	0.312104
	0.165491	2.310854	0.022036	0.313158
HERC6	-0.30965	-2.31433	0.02184	0.312579
IGFBP4	0.279815	2.318192	0.021624	0.311657
MCF2L2	-0.20365	-2.31876	0.021592	0.311618
	-0.26032	-2.32454	0.021273	0.31024
	-0.2169	-2.31905	0.021577	0.311618
	0.273696	2.316841	0.0217	0.312045
	-0.19974	-2.32293	0.021362	0.310782
	-0.30814	-2.31873	0.021594	0.311618
ZNF57;TJP3;GNG7	-0.36368	-2.31973	0.021539	0.311489
PTPN7;TMEM9;CYB5R1	0.263875	2.322087	0.021408	0.31097
	0.249981	2.321095	0.021463	0.311268
	-0.17493	-2.31429	0.021843	0.312579
MT1E;COQ9	0.199799	2.31556	0.021771	0.312305
	-0.31059	-2.32125	0.021455	0.311228
	0.247089	2.322833	0.021367	0.310782
	0.24699	2.317734	0.02165	0.31176
MAP3K13;IGF2BP2	0.283098	2.322008	0.021413	0.310976
	-0.1984	-2.32029	0.021508	0.311449
	-0.20126	-2.32017	0.021514	0.311449
	0.251011	2.322027	0.021412	0.310976
	0.228815	2.319576	0.021547	0.311496
	-0.29562	-2.32009	0.021519	0.311449
ENSG00000261655;PTP4A3	0.230051	2.320849	0.021477	0.311327
	-0.21056	-2.31894	0.021583	0.311618
	0.123268	2.315218	0.02179	0.312341
	0.323819	2.312513	0.021942	0.312876
EIF6;MAP1LC3A;ERGIC3	-0.20478	-2.31883	0.021589	0.311618
ICAM1;ENSG00000175898;AP1M2	0.316937	2.319731	0.021539	0.311489
	0.264335	2.320173	0.021514	0.311449
	0.235999	2.323251	0.021344	0.310689
	0.238141	2.314471	0.021832	0.312571
HES2;CAMTA1;ESPN;TAS1R1	-0.29464	-2.31992	0.021528	0.311449
	-0.29217	-2.32193	0.021417	0.310996
	0.198854	2.320873	0.021475	0.311327
	-0.38564	-2.31985	0.021532	0.311468
ENSG00000260977	-0.35319	-2.32337	0.021337	0.310655
TBC1D4;LMO7	-0.28382	-2.32182	0.021423	0.311017
LCK	-0.26326	-2.31814	0.021627	0.311657

ARID5A;FAM178B	0.321569	2.320572	0.021492	0.311392
	0.27513	2.320042	0.021521	0.311449
	-0.16204	-2.31846	0.021609	0.311618
CYCS	0.190053	2.319445	0.021555	0.311154
	0.331521	2.321375	0.021448	0.311167
	0.151913	2.319629	0.021544	0.311496
	0.241257	2.313162	0.021906	0.312762
ENSG00000254664;TSPAN18;ALX4	-0.28496	-2.31803	0.021633	0.311666
	0.166477	2.318667	0.021598	0.311618
	0.253535	2.319321	0.021561	0.311154
	0.285993	2.315899	0.021752	0.312194
	0.327063	2.318493	0.021607	0.311618
TGM2	-0.3146	-2.32064	0.021488	0.311384
FAU	0.156303	2.321628	0.021434	0.311089
DBNL	0.25053	2.317548	0.02166	0.311819
	-0.16516	-2.31837	0.021614	0.311618
	-0.15965	-2.31453	0.021829	0.312571
NRTN;RFX2;ENSG00000266983;ENSG00000267262	-0.26456	-2.31996	0.021526	0.311449
	0.41292	2.317801	0.021646	0.311729
	0.19216	2.318779	0.021592	0.311618
	0.206288	2.310691	0.022045	0.313215
	0.170442	2.314046	0.021856	0.312617
	-0.31176	-2.3173	0.021674	0.311908
	0.163118	2.321872	0.02142	0.311001
	-0.26326	-2.32168	0.021431	0.311074
	0.24596	2.319408	0.021557	0.311154
	-0.15647	-2.32085	0.021477	0.311327
	0.273197	2.321084	0.021464	0.311268
	0.216999	2.31767	0.021653	0.311178
	-0.15709	-2.31619	0.021736	0.312116
	0.28536	2.312361	0.021951	0.31291
	-0.35249	-2.32152	0.02144	0.311113
ALDH3B2;GSTP1;CDK2AP2;PELI3;CARNS1	-0.27251	-2.32246	0.021388	0.310871
FMNL3;ASIC1;SPATS2;TM6IM6;SLC11A2	-0.25383	-2.31965	0.021543	0.311495
ASNA1	-0.15558	-2.32054	0.021494	0.311392
SLC44A4;NELFE;NOTCH4;TNXB;CLIC1	-0.22498	-2.31641	0.021724	0.312084
	0.295506	2.321419	0.021445	0.311162
CTSS;GOLPH3L;SEMA6C;CGN;POGZ;SELENBP1;PRPF3;THEM4	-0.29487	-2.31658	0.021714	0.312064
	0.281237	2.314757	0.021816	0.312546
	0.251384	2.322254	0.021399	0.310943
POFUT2	0.25811	2.317154	0.021682	0.311942
	-0.17602	-2.31649	0.021719	0.312084
	-0.22491	-2.32184	0.021422	0.311016
	-0.28547	-2.31834	0.021616	0.311618
	0.223679	2.320382	0.021503	0.311449
	-0.23216	-2.31892	0.021584	0.311618

SKP2	0.376784	2.315991	0.021747	0.312173
EFTUD1P1	0.344577	2.322542	0.021383	0.310854
	0.261793	2.311589	0.021995	0.313013
	-0.25798	-2.31576	0.02176	0.312274
	0.255015	2.318528	0.021606	0.311618
MVP;CORO1A;QPRT;ENSG00000260219;PPP4C;ITGAL;SPN;C16orf93;SETD1A;SEPHS2;ZNF629	-0.35066	-2.31642	0.021723	0.312084
TMX2	0.250338	2.319522	0.02155	0.3115
	-0.18679	-2.31644	0.021722	0.312084
	-0.19715	-2.31463	0.021823	0.312562
	0.190632	2.320754	0.021482	0.311344
	0.261238	2.318982	0.02158	0.311618
	0.135232	2.321943	0.021416	0.310996
COL18A1;ADARB1;LRRC3;COL18A1-AS1;ICOSLG;PCBP3;LRRC3DN;TRPM2	0.330426	2.317004	0.02169	0.312009
	0.252229	2.318935	0.021583	0.311618
DDX28;ATP6V0D1;CBFB	0.191832	2.315331	0.021784	0.312332
HLA-DOB	-0.2071	-2.31849	0.021608	0.311618
	0.428873	2.319911	0.021529	0.311449
ENSG00000225649	0.349962	2.320544	0.021494	0.311392
	-0.12454	-2.31443	0.021834	0.312574
	-0.15648	-2.31982	0.021534	0.311468
	-0.14626	-2.31873	0.021594	0.311618
	0.288804	2.321356	0.021449	0.311172
	0.305188	2.318465	0.021609	0.311618
SLC39A7	0.200948	2.316016	0.021746	0.312163
	-0.25413	-2.30858	0.022165	0.313839
GRAMD1A	-0.18894	-2.31692	0.021695	0.312009
ENSG00000225914	0.224748	2.319124	0.021572	0.311618
	0.148269	2.319924	0.021528	0.311449
	-0.19967	-2.31604	0.021744	0.312153
TCF21;EYA4	-0.39626	-2.32152	0.021439	0.311113
	-0.30138	-2.31858	0.021603	0.311618
	0.267152	2.321271	0.021453	0.311228
ENSG00000183291	0.185428	2.316375	0.021726	0.312085
	0.215084	2.320045	0.021521	0.311449
	0.290876	2.320091	0.021519	0.311449
	0.268363	2.314378	0.021837	0.312579
	-0.22076	-2.31678	0.021703	0.312056
	0.124046	2.318687	0.021597	0.311618
PIGP	0.275423	2.318386	0.021613	0.311618
	0.31067	2.315937	0.02175	0.312185
	0.260148	2.314796	0.021814	0.312525
	0.299923	2.322098	0.021408	0.31097
	0.323766	2.314206	0.021847	0.312594
TACC2	0.18227	2.31695	0.021693	0.312009

C1orf216;ADPRHL2;TEKT2;OSCP1;ENSG00000201448;STK40;C  
OL8A2

-0.25632 -2.31098 0.022029 0.313138  
-0.38919 -2.31836 0.021615 0.311618  
-0.19557 -2.31843 0.021611 0.311618  
0.159901 2.319518 0.02155 0.3115

NKD2;PDCD6;TRIP13;AHRR

0.232676 2.319921 0.021528 0.311449  
0.320887 2.305319 0.022351 0.314975  
-0.14312 -2.31861 0.021601 0.311618  
0.39276 2.319415 0.021556 0.31154  
0.211207 2.318178 0.021625 0.311657  
-0.445 -2.31887 0.021587 0.311618

BACH2

-0.23746 -2.31849 0.021608 0.311618  
-0.41307 -2.31895 0.021582 0.311618  
0.137172 2.308852 0.02215 0.31379  
0.240272 2.317439 0.021666 0.31186

ABAT

-0.29411 -2.31182 0.021982 0.313013  
0.248774 2.314659 0.021822 0.312552  
0.301 2.317956 0.021637 0.311666  
-0.1782 -2.31733 0.021672 0.311908

POLR2H

-0.44398 -2.31989 0.02153 0.311449  
-0.29195 -2.31877 0.021592 0.311618  
0.314515 2.319817 0.021534 0.311468  
0.188203 2.316428 0.021723 0.312084  
-0.16989 -2.31842 0.021611 0.311618  
0.214684 2.315574 0.02177 0.312305

PMEPA1

-0.20235 -2.31496 0.021805 0.312465

NLRP2;GP6

-0.3108 -2.31725 0.021677 0.311921

ENSG00000260337;FAM174B;ENSG00000258676

-0.38506 -2.31877 0.021592 0.311618

PIGT;TOMM34

0.199442 2.315181 0.021792 0.312342  
0.314878 2.319905 0.021529 0.311449

ENSG00000236537

0.192228 2.317517 0.021662 0.311819  
0.30222 2.31622 0.021734 0.312104

PSMG3;CYP2W1

-0.364 -2.3145 0.02183 0.312571  
-0.2327 -2.31858 0.021602 0.311618  
-0.26208 -2.31662 0.021712 0.312064  
-0.16207 -2.31902 0.021578 0.311618  
0.266003 2.318136 0.021627 0.311657  
-0.24665 -2.31808 0.02163 0.311657  
-0.17636 -2.31871 0.021595 0.311618  
-0.3459 -2.32075 0.021482 0.311344  
0.204477 2.320554 0.021493 0.311392  
0.184995 2.319217 0.021567 0.311591  
-0.2295 -2.31959 0.021547 0.311496

IFT80

-0.24781 -2.3139 0.021864 0.312658  
0.129737 2.316339 0.021728 0.312087

SCARB1

-0.34167 -2.32093 0.021472 0.311315  
-0.29622 -2.30778 0.022211 0.314104

ENSG00000232482	-0.24006	-2.31325	0.021901	0.312762
	-0.21597	-2.31402	0.021858	0.312617
	0.217546	2.315674	0.021765	0.312285
	0.268616	2.32038	0.021503	0.311449
	0.199177	2.313172	0.021905	0.312762
EPX;MSI2;MKS1;GDPD1;TEX14 SFMBT2;ITIH5	0.326412	2.318525	0.021606	0.311618
	-0.22178	-2.31771	0.021651	0.311761
	-0.15375	-2.31132	0.02201	0.313107
	-0.17768	-2.31789	0.021641	0.311686
	-0.21403	-2.31474	0.021817	0.312548
GPATCH8	0.181058	2.318995	0.02158	0.311618
	0.218726	2.31847	0.021609	0.311618
	-0.2603	-2.31274	0.021929	0.312804
	-0.30626	-2.31488	0.021809	0.312495
	-0.16733	-2.31612	0.02174	0.312121
TJP3;APBA3;S1PR4;MPND;ZFR2	0.184204	2.319405	0.021557	0.311154
	0.210241	2.319292	0.021563	0.311541
	-0.18625	-2.32025	0.02151	0.311449
	0.307716	2.319023	0.021578	0.311618
	0.309071	2.315539	0.021772	0.312305
LLPH	0.323255	2.31978	0.021536	0.311481
	-0.34518	-2.31679	0.021702	0.312054
	0.173468	2.318316	0.021617	0.311629
	-0.23848	-2.31876	0.021592	0.311618
	-0.33102	-2.32079	0.02148	0.311344
LIMK1 ENSG00000265798	-0.30205	-2.31998	0.021525	0.311449
	0.138995	2.314278	0.021843	0.312579
	-0.31049	-2.31904	0.021577	0.311618
	0.1852	2.31716	0.021682	0.311942
	-0.27614	-2.31634	0.021727	0.312087
EPCAM;ENSG00000260977;CALM2	-0.19733	-2.30661	0.022277	0.314555
	0.194679	2.315194	0.021792	0.312341
	0.283137	2.316117	0.02174	0.312121
	-0.1649	-2.31525	0.021788	0.312334
	-0.33723	-2.31628	0.021731	0.312104
CLUAP1;PAQR4;PDPK1	0.314792	2.313667	0.021877	0.312668
	0.147754	2.317308	0.021673	0.311908
	-0.18104	-2.31665	0.02171	0.312064
	0.310584	2.318476	0.021608	0.311618
	0.189459	2.316567	0.021715	0.312064
RNF166	-0.24102	-2.3178	0.021646	0.311729
	0.288496	2.318159	0.021626	0.311657
	0.384633	2.319683	0.021541	0.311495
	0.206618	2.315905	0.021752	0.312194
	-0.20498	-2.31627	0.021731	0.312104
	0.281477	2.316095	0.021741	0.312121
	0.23772	2.315256	0.021788	0.312334



FLYWCH1	-0.15964	-2.31856	0.021604	0.311618
KIF21B;ENSG00000249007	0.131296	2.318372	0.021614	0.311618
	0.246426	2.314949	0.021805	0.312465
RHOJ;SYNE2;SPTB;HSPA2;AKAP5	0.230424	2.310478	0.022057	0.313272
ARPC5	0.298655	2.317646	0.021655	0.311789
SH3RF1	-0.29615	-2.31856	0.021604	0.311618
NME4	-0.353	-2.31931	0.021562	0.31154
	-0.24918	-2.31333	0.021896	0.312752
STIP1;MRPL49;MALAT1	-0.24931	-2.31798	0.021636	0.311666
	-0.31415	-2.31184	0.02198	0.313013
	0.157697	2.316727	0.021706	0.312064
CLDN7;ACAP1;NLRP1;TXNDC17	-0.3346	-2.31466	0.021822	0.312552
	-0.35913	-2.31658	0.021714	0.312064
CCDC17;ENSG00000236476;TSPAN1;IPP;CYP4B1;MOB3C;CYP4				
X1;MKNK1;PRDX1;PIK3R3;ENSG00000225154;ENSG000002308				
96;GPBP1L1	-0.39351	-2.31624	0.021733	0.312104
	0.17369	2.317077	0.021686	0.311973
	0.40815	2.319094	0.021574	0.311618
	0.1346	2.314146	0.02185	0.31261
	0.256746	2.311698	0.021988	0.313013
ABI3BP;NXPE3;NFKBIZ;CEP97	0.371639	2.315974	0.021748	0.312173
	-0.32841	-2.31874	0.021594	0.311618
ZNF79	0.14923	2.316616	0.021712	0.312064
	-0.24687	-2.31643	0.021722	0.312084
	0.298016	2.314136	0.021851	0.31261
	0.357349	2.314821	0.021813	0.312516
IL10RA;AMICA1;CBL;CD3G	0.365076	2.318079	0.021631	0.311657
UQCRFS1	0.227318	2.318465	0.021609	0.311618
	0.173416	2.317957	0.021637	0.311666
FNIP2;RXFP1;PPID	0.298157	2.313602	0.021881	0.3127
CYTIP;ACVR1C	-0.30697	-2.31548	0.021775	0.312329
	-0.2995	-2.31684	0.021699	0.312045
	-0.19907	-2.31317	0.021905	0.312762
	-0.2762	-2.31435	0.021839	0.312579
	-0.16498	-2.3182	0.021624	0.311657
	-0.30267	-2.31541	0.02178	0.312332
	-0.3993	-2.31901	0.021579	0.311618
SULT1B1	0.270759	2.314058	0.021855	0.312617
	0.251291	2.315621	0.021768	0.312302
ENSG00000225417;C20orf26;NAA20	0.412345	2.317288	0.021675	0.311908
	0.243258	2.312873	0.021922	0.312804
GRASP;ACVRL1	0.194408	2.317523	0.021661	0.311819
	0.311904	2.314671	0.021821	0.312552
	-0.26851	-2.31333	0.021896	0.312752
GCLC;TRAM2;EFHC1;GSTA1;TMEM14A;GSTA3;ENSG00000216				
775;ENSG00000220377	-0.36539	-2.31462	0.021824	0.312563
	0.186315	2.315793	0.021758	0.312259

SCAMP2;COX5A;CSK;ISLR;C15orf59;ISLR2;STRA6;NPTN FAM211A-AS1	-0.30859	-2.31453	0.021829	0.312571
	-0.21723	-2.3108	0.022039	0.313158
	-0.21306	-2.315	0.021802	0.312445
	-0.21385	-2.30415	0.022418	0.315244
	0.235595	2.312713	0.021931	0.312819
SMTN;UQCR10;ENSG00000198832;DUSP18;EIF4ENIF1;SEC14L 3;CCDC157	-0.29056	-2.31309	0.02191	0.312785
	-0.29805	-2.31084	0.022037	0.313158
	-0.16846	-2.31625	0.021732	0.312104
	0.210988	2.314851	0.021811	0.312502
	0.240498	2.313718	0.021875	0.312666
DYSF	-0.18728	-2.31149	0.022	0.313015
	-0.18239	-2.31705	0.021688	0.311984
	0.286962	2.316918	0.021695	0.312009
	0.261619	2.31385	0.021867	0.312658
	0.337739	2.317964	0.021637	0.311666
	0.281062	2.315567	0.021771	0.312305
	0.193208	2.317203	0.021679	0.311934
	0.24323	2.315747	0.021761	0.312275
	0.37018	2.317975	0.021636	0.311666
	-0.34606	-2.31697	0.021693	0.312009
	0.374991	2.316924	0.021695	0.312009
	-0.26614	-2.31355	0.021884	0.312721
	-0.24798	-2.31386	0.021866	0.312658
	0.392212	2.317624	0.021656	0.311792
	0.211774	2.315315	0.021785	0.312332
IRF4 ENSG00000229951 FLRT1;RARRES3	-0.3569	-2.31181	0.021982	0.313013
	0.155484	2.316226	0.021734	0.312104
	0.310687	2.317209	0.021679	0.311934
	-0.25118	-2.31217	0.021961	0.31291
	0.325312	2.317268	0.021676	0.311914
UBASH3A	0.285058	2.315428	0.021779	0.312332
	0.233674	2.315299	0.021786	0.312332
	0.245111	2.311333	0.022009	0.313107
PLCH1;RPL6P7;PLCH1-AS1	-0.2672	-2.31308	0.02191	0.312785
	0.226423	2.312199	0.02196	0.31291
ARMC9;SNORD20;ENSG00000224376  F11R;SDHC;ADAMTS4;PVRL4;TSTD1;ATP1A2;MPZ RPL21P75;TWISTNB RPL34P18	-0.14089	-2.31612	0.02174	0.312121
	-0.20697	-2.31892	0.021584	0.311618
	-0.20208	-2.31717	0.021681	0.311942
	0.239732	2.318004	0.021635	0.311666
	0.228284	2.312589	0.021938	0.312853
	-0.16193	-2.31616	0.021738	0.312121
	-0.15144	-2.31552	0.021773	0.312312
	0.117113	2.317308	0.021673	0.311908
	0.162781	2.314307	0.021841	0.312579
	0.145815	2.318229	0.021622	0.311657

COL5A3;KANK2;RGL3;AP1M2;PDE4A;CNN1;DOCK6;ZNF441;CDKN2D;DNMT1;UBL5	0.321881	2.311136	0.02202	0.313107
PSME2	0.324186	2.313064	0.021911	0.312785
	0.289449	2.315694	0.021764	0.312285
	-0.31589	-2.31792	0.021639	0.311675
	-0.15747	-2.31672	0.021706	0.312064
RPA3;RNF216;CYTH3;ZDHHC4	-0.27339	-2.31218	0.021961	0.31291
ITGB2;TRPM2;ICOSLG;COL18A1;ADARB1	0.301963	2.314117	0.021852	0.31261
	-0.24609	-2.31319	0.021904	0.312762
	0.128735	2.311636	0.021992	0.313013
	-0.21325	-2.31793	0.021639	0.311675
	0.370898	2.31844	0.02161	0.311618
	-0.22906	-2.31658	0.021714	0.312064
BICC1	-0.28826	-2.31442	0.021835	0.312574
	0.204706	2.312426	0.021947	0.312893
	0.114425	2.314461	0.021833	0.312571
	0.325392	2.312631	0.021936	0.312853
	-0.1757	-2.31454	0.021828	0.312571
TCTN2;DNAH10;DHX37	-0.16544	-2.31312	0.021908	0.312773
	-0.16914	-2.31665	0.02171	0.312064
	-0.19885	-2.30938	0.02212	0.313545
	0.279737	2.315016	0.021802	0.312445
C1orf174	0.352802	2.313849	0.021867	0.312658
	-0.20857	-2.31377	0.021872	0.312666
ZNF627;CCDC151;ZNF440;ZNF844;AP1M2;ZNF20;ELOF1;DOCK6;KRI1;ZNF69	-0.25926	-2.31368	0.021876	0.312666
	-0.20519	-2.31128	0.022012	0.313107
COL5A3;AP1M2;UBL5;ZNF627;KANK2;DOCK6;CNN1;PDE4A	-0.39511	-2.31182	0.021981	0.313013
AKR7A2;KLHDC7A;ARHGEF10L	-0.35661	-2.31126	0.022013	0.313107
	0.257824	2.306	0.022312	0.314832
	-0.2109	-2.31153	0.021998	0.313013
	-0.23148	-2.31277	0.021928	0.312804
	-0.26538	-2.31281	0.021926	0.312804
	0.290041	2.315112	0.021796	0.312386
	0.270357	2.312254	0.021957	0.31291
	-0.20215	-2.31487	0.02181	0.312495
APEH;BSN;DOCK3;VPRBP	-0.24595	-2.31534	0.021783	0.312332
	-0.34246	-2.31404	0.021856	0.312617
	0.212049	2.315342	0.021783	0.312332
	0.260033	2.316333	0.021728	0.312087
TULP3;CACNA1C;TSPAN9;CCND2;PARP11;PRMT8	0.238592	2.317709	0.021651	0.311761
LY6D	-0.64753	-2.3153	0.021786	0.312332
	0.171025	2.315416	0.021779	0.312332
SYT15;ENSG00000231187	0.234608	2.317116	0.021684	0.311952
DECR2	0.166859	2.313149	0.021907	0.312762
ARHGEF25;ENSG00000224713	0.323916	2.313148	0.021907	0.312762

LDHAP7	0.242976	2.314096	0.021853	0.312617
CSPG4P12;EFTUD1P1	-0.2825	-2.31168	0.021989	0.313013
SLC39A7;PSMB8	0.195003	2.311875	0.021978	0.313013
	0.179845	2.316558	0.021715	0.312064
	-0.22251	-2.31247	0.021945	0.312877
CCDC88B;SIPA1;FERMT3;BATF2	-0.303	-2.31615	0.021738	0.312121
	-0.18406	-2.3173	0.021674	0.311908
	-0.33836	-2.31852	0.021606	0.311618
C11orf49;MAPK8IP1	-0.19529	-2.31222	0.021959	0.31291
	-0.24036	-2.31195	0.021974	0.312991
	0.197683	2.310405	0.022062	0.313299
	-0.37057	-2.31643	0.021722	0.312084
	-0.27699	-2.3161	0.021741	0.312121
	0.261647	2.312803	0.021926	0.312804
MEOX1;AOC3;CNTNAP1;ATP6V0A1;RAMP2;PTRF;BRCA1	-0.22623	-2.3122	0.02196	0.31291
	-0.14332	-2.31569	0.021764	0.312285
CRB3;ARRDC5	0.233416	2.313686	0.021876	0.312666
	-0.47658	-2.31491	0.021807	0.312485
	-0.21219	-2.31736	0.02167	0.311908
PCDHB15	0.329623	2.310921	0.022032	0.313145
EHF;ABTB2;CAPRIN1;ENSG00000184566;TRIM44	-0.32203	-2.31089	0.022034	0.313151
SNX19	0.250851	2.315235	0.021789	0.31234
	-0.32279	-2.31543	0.021778	0.312332
SNORA60	-0.20632	-2.31024	0.022071	0.313357
PNLDC1	-0.1998	-2.30828	0.022182	0.313916
EPN3	-0.31119	-2.31279	0.021927	0.312804
NEDD9;TMEM14B;C6orf52;SYCP2L;MAK	0.401889	2.312146	0.021963	0.31291
	0.246953	2.312116	0.021965	0.312923
	-0.23732	-2.31331	0.021898	0.312759
DLG2	0.297526	2.313733	0.021874	0.312666
	-0.35404	-2.31639	0.021725	0.312084
WDR45B	0.318558	2.313458	0.021889	0.312732
	0.204498	2.310482	0.022057	0.313272
	0.30626	2.310771	0.022041	0.313161
	0.3185	2.316569	0.021715	0.312064
TIAF1;PIGS	-0.27525	-2.31453	0.021829	0.312571
FAM41C	0.182281	2.313883	0.021865	0.312658
	0.288771	2.314074	0.021854	0.312617
	0.361696	2.315469	0.021776	0.31233
RNASEL	0.170675	2.315874	0.021754	0.312204
	0.307387	2.312003	0.021971	0.312972
	0.248982	2.313363	0.021894	0.312746
	-0.13622	-2.31565	0.021766	0.312292
LINC00482;RNF213;NOTUM	-0.34602	-2.31302	0.021914	0.312785
MACC1	0.264246	2.311782	0.021984	0.313013
	-0.27058	-2.31209	0.021966	0.312936
	-0.21717	-2.31059	0.022051	0.313228

	0.1878	2.315354	0.021783	0.312332
	0.311206	2.314202	0.021847	0.312594
	0.189781	2.313377	0.021894	0.312746
	0.292068	2.315551	0.021772	0.312305
	0.217914	2.315007	0.021802	0.312445
	0.165393	2.314172	0.021849	0.312608
	-0.33314	-2.31659	0.021713	0.312064
	0.33381	2.31064	0.022048	0.313228
	0.288791	2.312692	0.021932	0.312825
	-0.18423	-2.31299	0.021916	0.312785
ATG9B	0.288406	2.316927	0.021695	0.312009
ATPIF1;TRNAU1AP;CD164L2;TMEM200B;ENSG00000270605;FAM76A;MED18;WDTC1;IFI6;AHDC1	-0.27168	-2.31375	0.021873	0.312666
	-0.3024	-2.31559	0.021769	0.312305
	0.256906	2.313485	0.021888	0.312732
	-0.26902	-2.31147	0.022001	0.313015
	0.196632	2.312888	0.021921	0.312804
	-0.23407	-2.30945	0.022116	0.313509
	0.314278	2.3152	0.021791	0.312341
	-0.29007	-2.31528	0.021787	0.312334
	-0.19775	-2.31648	0.02172	0.312084
	0.221665	2.31301	0.021914	0.312785
	-0.15633	-2.31298	0.021916	0.312785
	0.227833	2.311541	0.021997	0.313013
GIT2;SH2B3;HVCN1	0.374627	2.314273	0.021843	0.312579
INPP4A;ZAP70	0.224189	2.315715	0.021762	0.312285
SMAD5-AS1	0.284078	2.311719	0.021987	0.313013
ZBTB49	-0.18566	-2.31266	0.021934	0.312838
AMICA1;CBL;ENSG00000254561	0.359923	2.308448	0.022173	0.313867
	0.134528	2.303323	0.022466	0.315397
C17orf72;ICAM2;MAP3K3;CYB561;ENSG00000264954;ENSG0000263883;TANC2;ERN1	-0.2363	-2.30588	0.022319	0.314852
	0.18447	2.313901	0.021864	0.312658
C1orf116;FAIM3;PFKFB2	-0.36569	-2.31424	0.021845	0.312594
	0.198352	2.311015	0.022027	0.313138
	0.16741	2.313879	0.021865	0.312658
	0.125252	2.30997	0.022086	0.313357
	0.259457	2.309538	0.022111	0.313487
UBE2Q2P1;EFTUD1P1	0.269433	2.311058	0.022025	0.313138
FZD8	-0.35952	-2.30964	0.022105	0.313465
TXNDC11;SNX29;GRIN2A;LITAF	0.211075	2.310156	0.022076	0.313357
ENSG00000229951	-0.26618	-2.3113	0.022011	0.313107
	0.253605	2.313148	0.021907	0.312762
	0.222659	2.311599	0.021994	0.313013
KDEL2	0.176529	2.311259	0.022013	0.313107
FAM115B	0.172244	2.313793	0.02187	0.312666
	-0.13252	-2.31457	0.021826	0.312571

LSM4	0.318199	2.313714	0.021875	0.312666
FSCN1	-0.37588	-2.30997	0.022086	0.313357
PCYT2;SLC25A10;BAIAP2;LRRC45;ENSG00000265678	-0.24238	-2.31324	0.021901	0.312762
TRPM2	0.303677	2.31365	0.021878	0.312672
WDR55;DIAPH1	0.243454	2.314289	0.021842	0.312579
	-0.26667	-2.31374	0.021873	0.312666
	0.205827	2.304112	0.022421	0.315244
	0.279943	2.310204	0.022073	0.313357
SLC41A1;RASSF5;PIGR	-0.22724	-2.30949	0.022114	0.313508
	-0.30595	-2.31196	0.021974	0.312991
INPP5D;DGKD;PTMA	-0.30644	-2.31316	0.021906	0.312762
MLLT4;ENSG00000228648;ENSG00000231720	0.339785	2.312616	0.021937	0.312853
PDLIM3	0.209452	2.311225	0.022015	0.313107
NOVA2;DACT3	0.159358	2.31457	0.021827	0.312571
PIGU;ERGIC3;GSS;DYNLRB1	-0.38689	-2.31399	0.021859	0.312627
	-0.21671	-2.30907	0.022137	0.313696
	0.345803	2.311837	0.021981	0.313013
ENSG00000261659	0.301654	2.315347	0.021783	0.312332
	0.288088	2.308462	0.022172	0.313867
ENSG00000234648	0.343338	2.311543	0.021997	0.313013
	0.266809	2.313025	0.021914	0.312785
	-0.1536	-2.31445	0.021833	0.312571
	-0.33272	-2.31079	0.02204	0.313158
	-0.14681	-2.31468	0.021821	0.312552
	0.182629	2.31278	0.021927	0.312804
	-0.34023	-2.31299	0.021915	0.312785
	-0.28359	-2.30879	0.022153	0.313805
	0.267922	2.307568	0.022223	0.314159
	0.359679	2.313912	0.021864	0.312658
	0.165752	2.305609	0.022335	0.314964
	0.156092	2.314728	0.021818	0.312548
	-0.328	-2.31083	0.022038	0.313158
	-0.16227	-2.31082	0.022038	0.313158
ENSG00000228242;ENSG00000251576	0.280949	2.307281	0.022239	0.314287
	0.209431	2.314474	0.021832	0.312571
	0.279287	2.313266	0.0219	0.312762
PLEKHG2	0.279171	2.314669	0.021821	0.312552
IFT43;ENSG00000259319;CIPC;VASH1	0.241568	2.31429	0.021842	0.312579
	0.246703	2.311307	0.02201	0.313107
	-0.5388	-2.30709	0.02225	0.314399
	0.2008	2.314227	0.021846	0.312594
	0.180751	2.312554	0.02194	0.312863
	0.283857	2.307585	0.022222	0.314156
	0.270002	2.31171	0.021988	0.313013
HCP5	-0.23391	-2.31215	0.021963	0.31291
	0.312915	2.312187	0.021961	0.31291
	0.23209	2.310229	0.022071	0.313357

B3GNT3;CRTC1;ENSG00000259242	0.314342	2.307673	0.022217	0.314149
	0.302479	2.313431	0.021891	0.312733
	-0.26114	-2.31291	0.02192	0.312804
	-0.31528	-2.31049	0.022057	0.313272
	0.191719	2.305324	0.022351	0.314975
GFRA1;KIAA1598;ENSG00000225302	0.215808	2.312511	0.021942	0.312876
	-0.13254	-2.31	0.022084	0.313357
	-0.32189	-2.31278	0.021927	0.312804
	0.308902	2.312586	0.021938	0.312853
	0.177339	2.312924	0.021919	0.312804
TMC8;TMC6;ST6GALNAC2;RHBDF2	0.184254	2.312169	0.021962	0.31291
	-0.31179	-2.3129	0.02192	0.312804
	-0.14953	-2.31116	0.022019	0.313107
	-0.24006	-2.30875	0.022155	0.313819
	-0.28084	-2.30633	0.022293	0.314668
PSMB7	-0.18134	-2.30666	0.022274	0.314526
	-0.21956	-2.31373	0.021874	0.312666
	0.14132	2.312209	0.021959	0.31291
	-0.211	-2.30538	0.022348	0.314964
	0.139869	2.304377	0.022405	0.315242
RPS3AP25	-0.20404	-2.30807	0.022194	0.314012
	-0.19912	-2.31531	0.021785	0.312332
	0.210594	2.313466	0.021889	0.312732
	-0.21865	-2.31229	0.021955	0.31291
	-0.25342	-2.31285	0.021923	0.312804
PCDH12;SPRY4	0.224414	2.311243	0.022014	0.313107
	-0.23344	-2.31159	0.021994	0.313013
	0.296272	2.308981	0.022142	0.313717
	0.316171	2.312277	0.021956	0.31291
	0.267432	2.300311	0.02264	0.316001
SKI;MORN1;ENSG00000269896;C1orf222	-0.23511	-2.31042	0.022061	0.313299
	0.218094	2.313049	0.021912	0.312785
	0.274946	2.310417	0.022061	0.313299
	0.341641	2.310261	0.02207	0.313357
	-0.38877	-2.31344	0.02189	0.312733
CPSF3;KLF11;CYS1	0.166461	2.310252	0.02207	0.313357
	-0.19791	-2.30988	0.022091	0.313404
	0.225997	2.313582	0.021882	0.312706
	-0.22787	-2.31157	0.021996	0.313013
	-0.32464	-2.31402	0.021857	0.312617
FRAS1	-0.34253	-2.31096	0.02203	0.313143
	0.202078	2.3083	0.022181	0.313916
	0.233333	2.309772	0.022097	0.313428
	0.256528	2.312228	0.021958	0.31291
	0.196582	2.313684	0.021876	0.312666
TOR3A	-0.33157	-2.31117	0.022018	0.313107
	-0.33304	-2.31165	0.021991	0.313013
SLC22A23;SERPINB6;ENSG00000233068				
SDR16C5;XKR4;SBF1P1;LYN;TMEM68;LINC00968				

RPS14	0.163043	2.314339	0.02184	0.312579
	0.363082	2.311878	0.021978	0.313013
	0.235069	2.304078	0.022423	0.315244
	-0.24382	-2.29902	0.022715	0.316349
	0.25768	2.313683	0.021876	0.312666
	0.178748	2.311902	0.021977	0.313013
	-0.1426	-2.31287	0.021922	0.312804
	-0.24972	-2.30367	0.022446	0.315337
	0.268578	2.312407	0.021948	0.312898
	0.240758	2.312806	0.021926	0.312804
	-0.19628	-2.3112	0.022016	0.313107
	0.273208	2.310068	0.022081	0.313357
	-0.26892	-2.31346	0.021889	0.312732
	0.256749	2.311107	0.022022	0.31312
SLC17A9	-0.18581	-2.30997	0.022086	0.313357
SPDYA;ALK	-0.28682	-2.31155	0.021997	0.313013
RCAN2	-0.25705	-2.31039	0.022062	0.313303
	-0.30157	-2.31153	0.021998	0.313013
	-0.21827	-2.30804	0.022196	0.314016
TBX5;TBX5-AS1;TBX3	-0.27324	-2.3095	0.022113	0.313508
	-0.18895	-2.31036	0.022064	0.313317
	0.302089	2.311091	0.022023	0.313122
ENSG00000262601;USP10;HSDL1	0.238909	2.310936	0.022031	0.313143
NLGN2;BCL6B;NLRP1;KCTD11;XAF1;ACAP1;SLC16A11;RPL7AP6 4;KIAA0753	0.251712	2.312038	0.021969	0.312955
NOTCH4;C6orf10;ZBTB9;HSD17B8;SYNGAP1;PFDN6;ENSG0000 0225914;RGL2	-0.31411	-2.30829	0.022182	0.313916
WNT7B;ENSG00000234869;CELSR1;CERK	-0.33911	-2.31116	0.022019	0.313107
	0.254404	2.309653	0.022104	0.313465
CBFA2T3;SPIRE2;ENSG00000261226	-0.34151	-2.31155	0.021997	0.313013
	0.260522	2.311677	0.02199	0.313013
TXNRD1	0.315827	2.306689	0.022273	0.314516
	0.239302	2.308665	0.02216	0.313839
	0.192114	2.309547	0.02211	0.313487
FAM13C;PHYHIPL;ENSG00000236556	-0.2519	-2.30628	0.022296	0.314679
	-0.23227	-2.30998	0.022086	0.313357
ENSG00000253161	-0.18065	-2.30845	0.022173	0.313867
	-0.15754	-2.30905	0.022138	0.313696
NCOA7-AS1	-0.35951	-2.30442	0.022403	0.315236
	0.304332	2.312459	0.021945	0.312877
	0.262365	2.311025	0.022026	0.313138
LPCAT1;TPPP;NKD2;ZDHHC11B	-0.28627	-2.30763	0.022219	0.314152
	-0.15389	-2.30682	0.022265	0.314492
	0.429793	2.312478	0.021944	0.312877
	-0.20348	-2.31089	0.022034	0.313151
SPIRE2;RNF166;GAS8;SPATA33;URAHF	-0.32273	-2.31168	0.02199	0.313013
	-0.14479	-2.30987	0.022092	0.313404



C3;STXBP2	0.161771	2.306038	0.02231	0.314811
	-0.73291	-2.31234	0.021952	0.31291
	0.304187	2.311502	0.021999	0.313015
	-0.31761	-2.31413	0.021852	0.31261
	0.189202	2.311	0.022028	0.313138
GRK4	-0.23663	-2.30468	0.022388	0.315141
	0.255451	2.310022	0.022083	0.313357
	0.270542	2.310131	0.022077	0.313357
	0.218891	2.310079	0.02208	0.313357
	0.201599	2.311481	0.022001	0.313015
FAM35A;ATAD1	-0.38459	-2.31103	0.022026	0.313138
	-0.24598	-2.31099	0.022029	0.313138
	0.182398	2.311742	0.021986	0.313013
	0.239548	2.307239	0.022242	0.314311
	0.35788	2.307894	0.022204	0.314048
SLC20A2	0.233347	2.307023	0.022254	0.314433
	0.312402	2.31018	0.022074	0.313357
	-0.15809	-2.3101	0.022079	0.313357
	0.243446	2.311141	0.02202	0.313107
	-0.19671	-2.30791	0.022203	0.314048
DAXX	-0.13994	-2.3101	0.022079	0.313357
	0.157022	2.310613	0.02205	0.313228
SLC2A5	0.183236	2.313375	0.021894	0.312746
	0.293948	2.309259	0.022127	0.313618
	-0.16983	-2.30644	0.022287	0.31463
	0.200644	2.308724	0.022157	0.31383
	-0.1981	-2.29844	0.022748	0.316515
ENSG00000250132;TULP3;FKBP4 ATP6V0E1	0.176054	2.304627	0.022391	0.315141
	0.170145	2.307527	0.022225	0.314182
	-0.41027	-2.30793	0.022202	0.314048
	0.169267	2.304699	0.022387	0.315141
	0.355802	2.309658	0.022104	0.313465
ARHGAP32;TMEM45B;ST14	0.333973	2.310604	0.02205	0.313228
	-0.25164	-2.30892	0.022146	0.313749
	-0.13895	-2.30831	0.022181	0.313916
	0.166969	2.306805	0.022266	0.314492
	-0.12922	-2.30956	0.02211	0.313487
TUB;AKIP1	-0.1365	-2.30982	0.022095	0.313428
	-0.24275	-2.30916	0.022132	0.313666
	-0.2331	-2.30904	0.022139	0.313696
	-0.2593	-2.31237	0.021951	0.31291
	0.320779	2.309694	0.022102	0.313465
PCSK6	0.242506	2.312753	0.021929	0.312804
	-0.27124	-2.31351	0.021886	0.312732
NSUN3	-0.23808	-2.30961	0.022106	0.313465
	-0.18682	-2.30981	0.022095	0.313428
	-0.43318	-2.30982	0.022095	0.313428

SLC39A7	-0.16138	-2.30881	0.022152	0.313804
	0.210025	2.310584	0.022051	0.313228
	-0.27887	-2.30548	0.022342	0.314964
	-0.23446	-2.31205	0.021968	0.312955
RAB11FIP4;EVI2B;EVI2A	-0.23082	-2.30218	0.022532	0.315723
	-0.30856	-2.30915	0.022133	0.313666
	0.269542	2.308983	0.022142	0.313717
CLSTN3;CD27;IFFO1;C1RL-AS1;CD163L1 DEDD2;ATP5SL;GRIK5;ARHGEF1;ZNF526;CEACAM3	0.296209	2.31258	0.021939	0.312853
	-0.26045	-2.30861	0.022163	0.313839
	0.31508	2.30848	0.022171	0.313867
	-0.27979	-2.30791	0.022203	0.314048
	0.248868	2.312334	0.021952	0.31291
	0.247176	2.30301	0.022484	0.315494
SLBP	-0.28733	-2.30705	0.022252	0.314418
	-0.35693	-2.30893	0.022145	0.313747
ACAP1;CTC1;CLEC10A;KCTD11	-0.32677	-2.3125	0.021943	0.312876
	0.188145	2.310635	0.022048	0.313228
	0.244938	2.299971	0.02266	0.316024
	0.268375	2.306093	0.022307	0.314778
	-0.21162	-2.31175	0.021985	0.313013
PSMG3-AS1;HEATR2;SUN1	-0.16467	-2.30964	0.022105	0.313465
	0.2181	2.307671	0.022217	0.314149
LRRC2	-0.17491	-2.30999	0.022085	0.313357
ADCY4	-0.26984	-2.31094	0.022031	0.313143
ENTPD1-AS1;PIK3AP1;ENTPD1	-0.29012	-2.30578	0.022325	0.314918
	-0.25257	-2.30851	0.022169	0.313867
	-0.42696	-2.30869	0.022159	0.313835
	0.27659	2.310018	0.022083	0.313357
PSMG3;GPR146;ENSG00000242474;GPER1	0.22409	2.308154	0.022189	0.313959
	-0.34901	-2.31009	0.02208	0.313357
	-0.21184	-2.30864	0.022162	0.313839
	-0.16624	-2.3096	0.022107	0.313465
	0.158607	2.300836	0.02261	0.315973
	-0.20189	-2.30996	0.022087	0.313357
MMP24-AS1	0.498404	2.311587	0.021995	0.313013
	0.330563	2.311148	0.022019	0.313107
	-0.24503	-2.30964	0.022105	0.313465
	-0.29668	-2.30845	0.022173	0.313867
	0.672041	2.312181	0.021961	0.31291
CARD8;RUVBL2;PLA2G4C;TEAD2	-0.19925	-2.30426	0.022412	0.315244
	-0.20675	-2.30882	0.022151	0.313804
	0.336197	2.307341	0.022236	0.314259
	-0.32476	-2.30932	0.022123	0.313581
	-0.21114	-2.3083	0.022181	0.313916
	0.224091	2.306687	0.022273	0.314516
CEP70;FAIM;ACTG1P1	0.248521	2.309456	0.022115	0.313509
	0.263801	2.307633	0.022219	0.314152

POGZ;CTSS	-0.33159	-2.30822	0.022186	0.313949
	0.19218	2.30329	0.022468	0.315413
	-0.37441	-2.31006	0.022081	0.313357
	-0.22381	-2.30554	0.022339	0.314964
	-0.33328	-2.3062	0.022301	0.314709
GNL3	-0.15073	-2.30942	0.022117	0.313518
	-0.21092	-2.3032	0.022473	0.31543
	-0.13542	-2.30594	0.022316	0.314846
	-0.3413	-2.30828	0.022182	0.313916
	-0.20058	-2.30918	0.022131	0.313665
ABI3;FAM117A;COL1A1	0.262567	2.306876	0.022262	0.314492
	0.205535	2.304165	0.022418	0.315244
	-0.16742	-2.30947	0.022114	0.313509
	0.148611	2.303684	0.022445	0.315337
	0.240818	2.303948	0.02243	0.315244
	0.144266	2.300969	0.022602	0.315938
	0.224936	2.311571	0.021996	0.313013
	-0.14967	-2.30658	0.022279	0.314571
	0.12706	2.309787	0.022097	0.313428
	0.250941	2.305748	0.022327	0.314931
	0.302556	2.308367	0.022177	0.31391
	-0.2613	-2.30477	0.022383	0.315132
	0.27611	2.304981	0.022371	0.315094
	0.239743	2.30536	0.022349	0.314964
	-0.27936	-2.31009	0.02208	0.313357
ADCY4;EFS;SLC22A17;NFATC4;PSME1;DCAF11;PSME2;GMPR2;GZMB;NEDD8	-0.41323	-2.31012	0.022078	0.313357
	0.16246	2.310513	0.022055	0.313272
	-0.27948	-2.30878	0.022154	0.313805
	-0.25763	-2.30737	0.022234	0.314251
	-0.13258	-2.30679	0.022267	0.314492
	0.213241	2.309623	0.022106	0.313465
	-0.18279	-2.30799	0.022199	0.314047
	0.25768	2.311218	0.022016	0.313107
	-0.20977	-2.30643	0.022288	0.31463
	-0.25578	-2.30245	0.022516	0.315642
	0.194272	2.304344	0.022407	0.315244
	0.122008	2.301592	0.022566	0.31586
	0.193541	2.30918	0.022131	0.313665
	0.258805	2.303954	0.02243	0.315244
	0.418759	2.307887	0.022205	0.314048
RNF213;BAIAP2	0.297468	2.303666	0.022446	0.315337
	-0.28635	-2.30236	0.022521	0.315674
	-0.1606	-2.30819	0.022187	0.313949
	0.249682	2.303172	0.022475	0.31543
	-0.16849	-2.30859	0.022165	0.313839
UBE3C	-0.2193	-2.30644	0.022287	0.31463
	0.122008	2.301592	0.022566	0.31586
	0.193541	2.30918	0.022131	0.313665
	0.258805	2.303954	0.02243	0.315244
	0.418759	2.307887	0.022205	0.314048
CHIC2	0.297468	2.303666	0.022446	0.315337
	-0.28635	-2.30236	0.022521	0.315674
	-0.1606	-2.30819	0.022187	0.313949
	0.249682	2.303172	0.022475	0.31543
	-0.16849	-2.30859	0.022165	0.313839
FOXA3	-0.2193	-2.30644	0.022287	0.31463
	0.122008	2.301592	0.022566	0.31586
	0.193541	2.30918	0.022131	0.313665
	0.258805	2.303954	0.02243	0.315244
	0.418759	2.307887	0.022205	0.314048
LYST	0.297468	2.303666	0.022446	0.315337
	-0.28635	-2.30236	0.022521	0.315674
	-0.1606	-2.30819	0.022187	0.313949
	0.249682	2.303172	0.022475	0.31543
	-0.16849	-2.30859	0.022165	0.313839
TUBA3FP;ENSG00000187905;P2RX6	-0.2193	-2.30644	0.022287	0.31463
	0.122008	2.301592	0.022566	0.31586
PTP4A3;SLC45A4;ENSG00000261655;ENSG00000271959	0.193541	2.30918	0.022131	0.313665
	0.258805	2.303954	0.02243	0.315244

ERICH1	-0.28008	-2.30444	0.022402	0.315236	
	0.151092	2.305503	0.022341	0.314964	
	0.181495	2.304072	0.022423	0.315244	
	0.25592	2.304638	0.02239	0.315141	
	0.388377	2.306722	0.022271	0.314509	
LAX1	0.186942	2.306952	0.022258	0.314465	
	0.297542	2.300867	0.022608	0.315973	
ARHGEF17;PDE2A;MRPL48	-0.20827	-2.30806	0.022195	0.314016	
	0.267863	2.310608	0.02205	0.313228	
	-0.22693	-2.30786	0.022206	0.314048	
	-0.24416	-2.30558	0.022336	0.314964	
	-0.19901	-2.30764	0.022219	0.314152	
	-0.16868	-2.30548	0.022342	0.314964	
	-0.26608	-2.30904	0.022139	0.313696	
FCHSD2;RELT	0.263447	2.310338	0.022065	0.313322	
	-0.17342	-2.30598	0.022313	0.314837	
SHANK2;SHANK2-AS3	0.234682	2.310793	0.02204	0.313158	
	0.127057	2.301572	0.022567	0.31586	
	0.292959	2.303902	0.022433	0.315244	
	-0.28799	-2.3056	0.022335	0.314964	
ARHGAP30;SLAMF1;SLAMF6;LY9;FCRL6;CD48;CD84;CD244;SLAMF7;FCGR2C;HSPA7;FCGR3A;B4GALT3;FCGR2B;USP21;FCGR2A	0.292617	2.306949	0.022258	0.314465	
	ATXN10;NUP50;WNT7B;ENSG00000226328	-0.21391	-2.3074	0.022232	0.314247
	ECSCR;MZB1;IK	-0.3196	-2.30502	0.022369	0.315094
		-0.24741	-2.30555	0.022338	0.314964
		0.225587	2.302671	0.022504	0.315572
PARVB		-0.21155	-2.30838	0.022176	0.313908
		0.169161	2.304436	0.022402	0.315236
		-0.18201	-2.3054	0.022347	0.314964
		-0.25327	-2.30775	0.022213	0.31412
		-0.22688	-2.30648	0.022285	0.31463
		0.298391	2.304067	0.022423	0.315244
		0.278169	2.301651	0.022562	0.31586
LEPR		-0.3163	-2.30977	0.022098	0.313428
		-0.28393	-2.30333	0.022465	0.315397
		-0.28475	-2.30905	0.022138	0.313696
FOXA2	0.385099	2.300135	0.02265	0.316015	
PSMG3	0.244255	2.3027	0.022502	0.315558	
	-0.27186	-2.30793	0.022202	0.314048	
ENSG00000249852	-0.27887	-2.3049	0.022375	0.315105	
VEGFB;CDC42EP2;DPF2;LTBP3;ARL2	-0.27102	-2.30819	0.022187	0.313949	
NDUFS6;LPCAT1;MRPL36	-0.29531	-2.30676	0.022269	0.314492	
	-0.16111	-2.29997	0.02266	0.316024	
	0.198083	2.301559	0.022568	0.31586	
	0.23192	2.305235	0.022356	0.315024	
	-0.38783	-2.3102	0.022073	0.313357	

	-0.12356	-2.30337	0.022463	0.31538
	-0.33422	-2.30791	0.022203	0.314048
	0.20869	2.303818	0.022437	0.315255
	0.121109	2.304126	0.02242	0.315244
	0.319906	2.30855	0.022167	0.313857
	0.215592	2.306862	0.022263	0.314492
	0.211781	2.304666	0.022389	0.315141
FERMT3;BATF2;CCDC88B	0.27052	2.306298	0.022295	0.314679
	0.314907	2.306292	0.022296	0.314679
	0.338473	2.308533	0.022168	0.31386
ACVRL1;TENC1;GRASP;ATF7;KRT80;KRT18;KRT7	0.232488	2.308151	0.02219	0.313959
	0.234622	2.302078	0.022538	0.31575
	-0.31833	-2.30338	0.022463	0.31538
	0.239334	2.30787	0.022206	0.314048
PFKFB2	0.29907	2.309033	0.022139	0.313696
LINC01128;MXRA8;SAMD11;VWA1;SSU72;ANKRD65;RNF223	-0.26843	-2.30348	0.022457	0.315363
FUT3	0.407403	2.304033	0.022425	0.315244
	0.247448	2.307301	0.022238	0.314281
	-0.14505	-2.30508	0.022365	0.315094
C22orf34;ENSG00000213279;SHANK3;ENSG00000235111;MA				
PK12	-0.36551	-2.30501	0.022369	0.315094
	0.240205	2.308641	0.022162	0.313839
KLHL8;MAPK10	0.297325	2.306403	0.022289	0.314634
	0.222902	2.30759	0.022222	0.314156
	-0.26032	-2.30305	0.022482	0.315471
FGD3	0.271423	2.306792	0.022267	0.314492
KLF11;CYS1;ROCK2;GREB1	0.321997	2.30182	0.022553	0.315804
	-0.22816	-2.30596	0.022315	0.314844
C16orf93;PPP4C;MVP;SEPHS2;PHKG2;SETD1A;DOC2A;ZNF48;C				
TF1;TMEM219;CD2BP2	-0.34162	-2.30321	0.022472	0.31543
CACNA2D2;RASSF1;CISH	-0.305	-2.30426	0.022412	0.315244
	-0.32639	-2.30619	0.022301	0.314709
NPHP4	-0.22103	-2.30477	0.022383	0.315132
	0.175765	2.308605	0.022164	0.313839
	-0.13287	-2.30147	0.022573	0.315867
	0.210959	2.306197	0.022301	0.314709
	0.232887	2.300134	0.02265	0.316015
	0.250619	2.305403	0.022347	0.314964
ARV1;ABCB10;ENSG00000244137;CAPN9;RAB4A	-0.40703	-2.30859	0.022165	0.313839
SYS1;SDC4;TOX2;DNMT1;PIGT	-0.25114	-2.30501	0.022369	0.315094
ULK2	0.35693	2.307182	0.022245	0.314346
	-0.22874	-2.30676	0.022269	0.314492
PDGFB	-0.25253	-2.30571	0.022329	0.31494
	-0.2363	-2.30348	0.022457	0.315363
FAM193A	-0.325	-2.30134	0.02258	0.315903
	-0.21281	-2.30646	0.022286	0.31463

	0.256199	2.308205	0.022186	0.313949
	-0.25693	-2.30412	0.02242	0.315244
	-0.22012	-2.30736	0.022234	0.314251
	0.298848	2.305368	0.022348	0.314964
	0.251348	2.307717	0.022214	0.314132
	-0.19294	-2.30324	0.022471	0.31543
	-0.30047	-2.30681	0.022266	0.314492
	0.252753	2.308695	0.022159	0.313835
	-0.20173	-2.30163	0.022564	0.31586
MIEN1;IGFBP4	-0.26802	-2.30221	0.02253	0.315715
IRF8	0.323953	2.305414	0.022346	0.314964
	0.172996	2.300383	0.022636	0.315995
	-0.21369	-2.30463	0.022391	0.315141
CASZ1;ENSG00000272078	-0.39731	-2.29788	0.022781	0.316612
FARS2;SLC22A23;ENSG00000260604;ENSG00000233068	0.250759	2.301637	0.022563	0.31586
	-0.3074	-2.30744	0.02223	0.314235
MAPK12;MAPK11	0.226757	2.307127	0.022248	0.31438
	-0.17966	-2.30797	0.0222	0.314048
	0.333496	2.304139	0.022419	0.315244
WDR43	-0.2286	-2.3002	0.022646	0.316001
ADCY5;MYLK	0.241991	2.306943	0.022258	0.314465
	0.337408	2.306496	0.022284	0.314629
	0.243548	2.302891	0.022491	0.315507
ADRB1;AFAP1L2;ATRNL1;DCLRE1A;C10orf118;CASP7	-0.34155	-2.30188	0.022549	0.315799
	-0.16823	-2.29981	0.022669	0.316042
	-0.15945	-2.29877	0.022729	0.316423
RNF8	0.177127	2.304092	0.022422	0.315244
TEX10;MSANTD3	-0.36638	-2.30256	0.02251	0.315622
	0.185693	2.3064	0.022289	0.314634
	-0.25407	-2.30504	0.022367	0.315094
ENSG00000261685;ZNF423;NKD1;NOD2	0.240082	2.299723	0.022674	0.316044
	0.296998	2.305205	0.022358	0.315029
	0.230586	2.301499	0.022571	0.315865
	0.362609	2.30465	0.02239	0.315141
	0.581183	2.30297	0.022486	0.315504
COTL1;IRF8;ENSG00000261471	0.356214	2.307585	0.022222	0.314156
	0.219121	2.302959	0.022487	0.315504
ANK3	0.309552	2.305903	0.022318	0.314848
STMN3;PTK6	-0.22246	-2.30634	0.022293	0.314668
	-0.30968	-2.30113	0.022592	0.315932
SNORA26	-0.21903	-2.30487	0.022377	0.315122
EXOC3L4;TNFAIP2	-0.25226	-2.30541	0.022346	0.314964
BCYRN1;ENSG00000230979	0.237629	2.304954	0.022372	0.315095
	0.352624	2.307394	0.022233	0.314247
EGFL7;PTGDS;UAP1L1;NPDC1;LCNL1;C9orf139;ENSG00000235117;AGPAT2;TMEM141	-0.30553	-2.30483	0.02238	0.31513
	0.282867	2.303901	0.022433	0.315244

	-0.16668	-2.30472	0.022386	0.315141
	-0.21446	-2.30587	0.02232	0.314852
	0.366043	2.299926	0.022662	0.316024
	0.284444	2.303395	0.022462	0.31538
	-0.25934	-2.30483	0.022379	0.31513
PFKFB2;DYRK3;C1orf116	-0.36284	-2.30339	0.022462	0.31538
TSPAN15;HK1	-0.16971	-2.30541	0.022346	0.314964
	0.22287	2.305308	0.022352	0.314975
BAI1;FAM83H-AS1;RHPN1-				
AS1;TOP1MT;GPIHBP1;MAPK15;PSCA;EXOSC4;EEF1D;RHPN1;L				
YPD2;LY6H;ZNF696;PYCRL	-0.34987	-2.30474	0.022385	0.315141
	-0.18473	-2.30005	0.022655	0.316024
	0.321194	2.305202	0.022358	0.315029
	0.208172	2.306834	0.022265	0.314492
TLCD1;ANKRD13B;TRAF4;MYO18A;SUPT6H;IFT20;TIAF1;NLK;C				
ORO6;RAB34;SPAG5	-0.21981	-2.29543	0.022924	0.317293
	0.193593	2.303833	0.022437	0.315253
	-0.23548	-2.30447	0.0224	0.315236
	0.168193	2.302544	0.022511	0.315622
	-0.38074	-2.30311	0.022478	0.315435
	0.306217	2.305916	0.022317	0.314848
DZIP1L;NME9;CLDN18;MRAS;STAG1;SLC35G2	-0.37741	-2.30379	0.022439	0.315271
MDM4	0.295798	2.307441	0.02223	0.314235
TSSC1	-0.39457	-2.30121	0.022588	0.315917
MRPL43	-0.29439	-2.30136	0.022579	0.315903
	0.177812	2.305473	0.022342	0.314964
MRGPRF;ENSG00000255306;UNC93B1;ENSG00000261625;AL				
DH3B1	-0.3701	-2.30401	0.022426	0.315244
RNF216;CYTH3;TNRC18;EIF2AK1;RAC1;ENSG00000198580	-0.39188	-2.3013	0.022583	0.315917
	0.234516	2.301947	0.022545	0.315794
	0.120472	2.302195	0.022531	0.315718
	-0.26017	-2.30505	0.022367	0.315094
	0.359291	2.306767	0.022268	0.314492
	0.287571	2.299003	0.022716	0.316349
	-0.28692	-2.29772	0.02279	0.316621
YARS	-0.16495	-2.30388	0.022434	0.315244
	0.408698	2.306838	0.022264	0.314492
FMNL3;FAIM2;ASIC1;ENSG00000272368;MCRS1;TMBIM6;WN				
T10B;SPATS2;METTL7A	-0.20739	-2.30359	0.02245	0.31535
ERV3-1	0.157797	2.296822	0.022843	0.316879
GPR153;CAMTA1;CHD5;KCNA2;THAP3;HES2	0.261105	2.303944	0.02243	0.315244
	-0.14992	-2.30201	0.022542	0.315758
	-0.25888	-2.30413	0.02242	0.315244
	-0.16939	-2.30431	0.022409	0.315244
	0.294629	2.300468	0.022631	0.315973
	-0.19611	-2.30427	0.022411	0.315244

	-0.23915	-2.30451	0.022398	0.315218
	0.254728	2.300574	0.022625	0.315973
GRAP2;CACNA1I;APOBEC3G;MCHR1;ENSG00000225528	0.414518	2.30566	0.022332	0.314964
	0.254371	2.301858	0.02255	0.315799
	-0.22749	-2.30317	0.022475	0.31543
	-0.1374	-2.30027	0.022642	0.316001
	-0.19247	-2.30398	0.022428	0.315244
	-0.21052	-2.29623	0.022877	0.317018
	-0.24776	-2.30275	0.022499	0.315557
	-0.23784	-2.30416	0.022418	0.315244
	0.192022	2.303919	0.022432	0.315244
TBC1D10C;RBM14;ENSG00000255306;RBM4B	0.270775	2.305006	0.022369	0.315094
	-0.25328	-2.29782	0.022785	0.316621
	0.196511	2.299305	0.022698	0.316218
	0.225608	2.304774	0.022383	0.315132
TRAC	0.269742	2.302444	0.022517	0.315642
GTF3C5;COL5A1;ADAMTSL2;GBGT1	0.261351	2.303899	0.022433	0.315244
	-0.20724	-2.30591	0.022318	0.314848
	0.367225	2.303508	0.022455	0.315363
AGBL2;C11orf49;DDB2;CELF1;PACSIN3;FNBP4;KBTBD4;LRP4;H				
ARBI1;NDUFS3;SPI1	-0.30985	-2.30049	0.022629	0.315973
SUN1;MAD1L1;HEATR2;IQCE	-0.28359	-2.30442	0.022403	0.315236
PRKD3;ENSG00000272054	-0.32524	-2.2984	0.022751	0.316515
	-0.22229	-2.30124	0.022586	0.315917
KANK1;DMRT3	0.345838	2.298867	0.022724	0.316415
PDE6B;ZNF876P;SLBP	-0.28214	-2.30014	0.02265	0.316015
EHD2	-0.19906	-2.29809	0.022769	0.31656
	-0.29232	-2.30122	0.022587	0.315917
	-0.25442	-2.3034	0.022462	0.31538
	-0.12315	-2.30098	0.022601	0.315938
	-0.28104	-2.29659	0.022856	0.316899
	0.176059	2.30077	0.022613	0.315973
FMNL3	-0.20183	-2.30349	0.022456	0.315363
BAIAP2	0.208364	2.303491	0.022456	0.315363
ADD2	0.245022	2.304913	0.022375	0.315105
	-0.16688	-2.29977	0.022671	0.316042
	0.276597	2.304585	0.022393	0.315165
COL5A1;CAMSAP1	-0.28362	-2.30286	0.022493	0.315511
	-0.2287	-2.30571	0.022329	0.31494
	0.285976	2.302753	0.022499	0.315557
	0.290793	2.302973	0.022486	0.315504
	-0.23102	-2.30557	0.022337	0.314964
	-0.23682	-2.3056	0.022335	0.314964
	0.166609	2.301201	0.022588	0.315917
	0.263065	2.300992	0.0226	0.315938
	-0.16484	-2.3036	0.02245	0.31535
	-0.24348	-2.29799	0.022775	0.316573



POU5F1;NOTCH4;RNF5	0.19372	2.302305	0.022525	0.315691
	0.100461	2.300012	0.022657	0.316024
DENND3	-0.29378	-2.29695	0.022836	0.316837
COL5A1;ADAMTSL2;OLFM1;GBGT1;SARDH	-0.26803	-2.30177	0.022555	0.315822
ENSG00000232524;IQUB;AASS;ENSG00000272686	-0.42907	-2.30536	0.022349	0.314964
	0.202647	2.301545	0.022568	0.31586
	0.219839	2.30626	0.022297	0.314684
ABCA3;PRSS22;ENSG00000262370;ZNF75A;PKMYT1;TRAF7;ZN F213;PAQR4;TBC1D24;CCNF	-0.52367	-2.30289	0.022491	0.315507
	0.288744	2.29984	0.022667	0.316042
	0.229424	2.303149	0.022476	0.315432
BCL11B;EVL;HHIPL1	0.458671	2.304965	0.022372	0.315095
	0.244738	2.30293	0.022489	0.315507
SDC3;LCK;MTMR9LP;SERINC2;TINAGL1	-0.22915	-2.30076	0.022614	0.315973
	-0.27753	-2.30233	0.022523	0.315681
ARHGEF10	0.272857	2.302473	0.022515	0.315642
WNK2;ECM2;ZNF484;FAM120AOS;BICD2;ASPN	-0.66621	-2.29967	0.022677	0.316063
	-0.27989	-2.30433	0.022408	0.315244
	0.263308	2.302714	0.022501	0.315557
	-0.80507	-2.30565	0.022332	0.314964
	0.287324	2.304262	0.022412	0.315244
	-0.29423	-2.30399	0.022428	0.315244
	0.196771	2.304148	0.022419	0.315244
FAM13C;ENSG00000236556	-0.29543	-2.29404	0.023006	0.317653
	0.220202	2.304821	0.02238	0.31513
	-0.33699	-2.3008	0.022611	0.315973
	0.142823	2.305384	0.022348	0.314964
	-0.44684	-2.29707	0.022828	0.31681
ARHGDIA	0.275846	2.302442	0.022517	0.315642
TEAD4	-0.2692	-2.29965	0.022678	0.316071
	0.35932	2.300203	0.022646	0.316001
SLC16A4	0.296422	2.3032	0.022473	0.31543
	0.243261	2.300819	0.022611	0.315973
ENSG00000261226;SPIRE2;CBFA2T3;ENSG00000259881;GAS8; SPATA33;PIEZO1;ENSG00000260259	0.260527	2.301057	0.022597	0.315935
DLL4;C15orf52;SPTBN5;MAPKBP1;SRP14;DNAJC17;RPAP1	0.245293	2.303868	0.022435	0.315244
	0.853655	2.30436	0.022406	0.315242
	-0.2653	-2.30478	0.022382	0.315132
	0.161986	2.299547	0.022684	0.316128
HYDIN;ENSG00000262890;HAS3;ENSG00000260156	-0.37887	-2.30364	0.022448	0.315337
	0.293429	2.2977	0.022792	0.316621
	-0.19669	-2.30077	0.022613	0.315973
	-0.17354	-2.3056	0.022335	0.314964
	-0.14021	-2.30274	0.0225	0.315557
	0.26092	2.302098	0.022537	0.315745
	0.204051	2.301345	0.02258	0.315903

GNG7	0.285209	2.303886	0.022434	0.315244
	-0.16757	-2.30186	0.02255	0.315799
	0.392102	2.297329	0.022813	0.316707
PSMG3;GPR146;ELFN1 NUMA1;ATG16L2	-0.29976	-2.30203	0.02254	0.315758
	0.21906	2.300069	0.022654	0.316024
	0.246682	2.298363	0.022753	0.316515
DLG2	0.278654	2.302502	0.022513	0.315642
	0.278241	2.303862	0.022435	0.315244
	0.363114	2.304407	0.022404	0.315236
TUSC2	0.211687	2.302235	0.022529	0.315715
	0.091481	2.300332	0.022639	0.316001
	-0.25868	-2.30556	0.022338	0.314964
RASAL3	0.285187	2.29828	0.022758	0.316515
	0.277983	2.298248	0.02276	0.316515
	-0.28674	-2.29977	0.022671	0.316042
DNAJB12	-0.21688	-2.30067	0.022619	0.315973
	0.274167	2.298254	0.022759	0.316515
	0.159113	2.304045	0.022424	0.315244
DNAJC4;ATL3;PPP1R14B PXDN;SNTG2;TPO	-0.2125	-2.30089	0.022607	0.315973
	-0.17558	-2.30058	0.022624	0.315973
	0.228951	2.30088	0.022607	0.315973
VASH1;AHSA1;CIPC BAIAP2;SLC38A10	0.210046	2.304367	0.022406	0.315242
	-0.28306	-2.30027	0.022642	0.316001
	-0.23118	-2.30353	0.022454	0.315363
ENSG00000271537	0.182622	2.303182	0.022474	0.31543
	0.206482	2.301536	0.022569	0.31586
	0.333582	2.304668	0.022389	0.315141
SP140;GPR55;SP100;SP110;SP140L	-0.22682	-2.29547	0.022922	0.31729
	0.396422	2.302257	0.022527	0.315715
	0.22276	2.302739	0.0225	0.315557
TTN SELL;PRRX1	0.274588	2.303434	0.02246	0.31538
	0.515476	2.305154	0.022361	0.315058
	-0.13453	-2.30024	0.022644	0.316001
RER1;ENSG00000272235	0.326312	2.299775	0.022671	0.316042
	-0.33085	-2.30491	0.022375	0.315105
	0.299904	2.304983	0.022371	0.315094
LPCAT1 LST1	0.202948	2.303256	0.02247	0.315429
	0.222873	2.300807	0.022611	0.315973
	0.268539	2.300221	0.022645	0.316001
SYT11;ASH1L-AS1;YY1AP1;SHE;C1orf189	-0.13038	-2.29869	0.022734	0.31644
	-0.19077	-2.30114	0.022592	0.315932
	0.255212	2.302927	0.022489	0.315507
	0.270283	2.299862	0.022666	0.316042
	-0.21128	-2.30043	0.022633	0.315973
	0.246544	2.296678	0.022851	0.316888
	0.191881	2.302717	0.022501	0.315557
	-0.20198	-2.30359	0.022451	0.31535

ENSG00000260682;PLCG2	-0.33182	-2.29749	0.022804	0.316674
KIAA1462;SVIL;ZNF438	0.238573	2.289944	0.023248	0.318728
	-0.26523	-2.30152	0.02257	0.31586
PAR6B;CEBPB;KCNB1	-0.1784	-2.30188	0.022549	0.315799
WNT7B	-0.28178	-2.29934	0.022696	0.316218
HSPG2;LDLRAD2;USP48;KDM1A	0.285421	2.300666	0.022619	0.315973
	0.174104	2.300473	0.022631	0.315973
IKZF1	0.185353	2.298819	0.022727	0.316423
	0.218424	2.301099	0.022594	0.315932
AKT3;ADSS;AKT3-IT1;ZBTB18	-0.21131	-2.30291	0.022489	0.315507
	0.105234	2.298301	0.022757	0.316515
ENSG00000242104	-0.22391	-2.29649	0.022863	0.316956
	0.399967	2.297994	0.022775	0.316573
PDGFB;SUN2	0.240508	2.301671	0.022561	0.31586
	-0.33235	-2.30386	0.022435	0.315244
ENSG00000253930	0.177055	2.302643	0.022505	0.315583
	0.288757	2.302429	0.022517	0.315642
	0.109718	2.299486	0.022688	0.316154
	-0.19121	-2.29771	0.022791	0.316621
	-0.19707	-2.29878	0.022729	0.316423
	-0.14915	-2.29455	0.022976	0.31753
	-0.2398	-2.29913	0.022709	0.316321
	0.203513	2.303108	0.022478	0.315435
	0.406553	2.298929	0.02272	0.316398
	-0.23555	-2.30068	0.022618	0.315973
SKAP1;HOXB4;PRR15L;HOXB3	-0.2856	-2.30337	0.022463	0.31538
	-0.23892	-2.30046	0.022631	0.315973
CRMP1;KIAA0232;CCDC96;EVC;ENSG00000246526;PSAPL1;PP P2R2C	-0.32935	-2.2955	0.02292	0.31729
	0.271188	2.299763	0.022672	0.316042
	-0.21799	-2.30213	0.022535	0.315738
	-0.1795	-2.29599	0.022892	0.317098
	-0.20316	-2.29598	0.022892	0.317098
	0.333184	2.30167	0.022561	0.31586
PDE3B	-0.29182	-2.29876	0.02273	0.316423
SNRPD2	-0.22092	-2.30012	0.022651	0.316015
	-0.32743	-2.3035	0.022456	0.315363
	0.302311	2.301521	0.02257	0.31586
PDLIM4;P4HA2;SOWAHA;C5orf56;UQCRCQ;CCNI2;ENSG000002 34290	-0.30995	-2.29344	0.023041	0.317821
ZNF546	-0.16846	-2.29697	0.022834	0.316831
PDCD1	0.427656	2.303886	0.022434	0.315244
	0.187709	2.298301	0.022757	0.316515
	0.225043	2.301256	0.022585	0.315917
	0.253838	2.292615	0.02309	0.318049
	-0.20012	-2.29664	0.022853	0.316892
CNOT8	-0.20967	-2.29953	0.022685	0.316128

RNF32;PTPRN2;DNAJB6;ENSG00000231980	-0.18876	-2.29784	0.022784	0.316621
	-0.34387	-2.30139	0.022578	0.315903
	0.208863	2.300993	0.0226	0.315938
	0.236987	2.293082	0.023062	0.3179
	-0.21859	-2.29887	0.022723	0.316415
GPR115	0.242095	2.301919	0.022547	0.315796
	0.231772	2.299574	0.022683	0.316124
	0.193821	2.301387	0.022578	0.315903
	-0.23753	-2.30154	0.022569	0.31586
	-0.21622	-2.3026	0.022507	0.315604
KIF6	0.335286	2.304316	0.022409	0.315244
LINC00689	-0.35761	-2.30246	0.022516	0.315642
KCNQ1OT1	-0.24357	-2.29766	0.022794	0.316624
ITGB7;OR7E47P;ESPL1	0.319188	2.298686	0.022734	0.31644
	0.193038	2.301557	0.022568	0.31586
	0.166837	2.300223	0.022645	0.316001
	-0.26642	-2.30053	0.022627	0.315973
	-0.22527	-2.30207	0.022538	0.31575
GRAP2;SUN2;PDGFB	-0.16552	-2.29907	0.022712	0.316328
	0.31693	2.302221	0.022529	0.315715
	-0.18832	-2.29742	0.022808	0.316699
	0.139041	2.296433	0.022866	0.31696
	0.305656	2.295022	0.022948	0.317444
PPP1R7	0.260866	2.298531	0.022743	0.316494
	0.245234	2.298237	0.02276	0.316515
	0.23036	2.300536	0.022627	0.315973
	-0.23248	-2.30162	0.022564	0.31586
	-0.23779	-2.30071	0.022617	0.315973
PLEKHB2;ENSG00000213222;CCDC74A;TUBA3D;POT1	0.250266	2.297351	0.022812	0.316707
	-0.27128	-2.29509	0.022944	0.317419
	-0.45343	-2.30314	0.022477	0.315432
	-0.17446	-2.29863	0.022738	0.316466
	-0.17571	-2.29051	0.023214	0.318574
SNX10;HOXA-AS2	-0.17034	-2.30224	0.022528	0.315715
USP10;HSBP1;WFDC1;KIAA0513;ENSG00000260228;ATP2C2;ENSG00000262601;FAM92B;HSDL1;DNAAF1;MBTPS1;CRISPLD2	-0.27976	-2.2961	0.022885	0.31706
	0.176063	2.297191	0.022821	0.316755
	0.248443	2.298018	0.022773	0.316573
	0.265466	2.30364	0.022448	0.315337
	-0.13861	-2.29489	0.022956	0.317453
PCSK6	-0.33528	-2.30031	0.02264	0.316001
	-0.20406	-2.29954	0.022685	0.316128
	0.191994	2.299006	0.022716	0.316349
HCP5;TAP2;TAP1;HLA-DOA;HLA-DMB;HLA-DMA;HLA-B;HLA-DPB1;PSMB9;HLA-DRA;MICB;HSPA1A;HLA-DPA1;RPL32P1;HLA-C;TAPSA1;C2				
	0.315032	2.301372	0.022578	0.315903

ZNF627;ZNF20;ZNF440	0.150805	2.297029	0.022831	0.316825	
	0.218751	2.296672	0.022852	0.316888	
	0.214587	2.301032	0.022598	0.315935	
ANKRD29	0.300036	2.302138	0.022534	0.315738	
	-0.31476	-2.30096	0.022602	0.315938	
	0.272564	2.300359	0.022637	0.316001	
CAP2	0.21978	2.302762	0.022498	0.315557	
	-0.34355	-2.29936	0.022695	0.316218	
	-0.14978	-2.30046	0.022631	0.315973	
LMCD1	0.201388	2.302004	0.022542	0.315758	
	-0.33276	-2.29993	0.022662	0.316024	
	0.262394	2.298385	0.022752	0.316515	
MAP7;IFNGR1	-0.16032	-2.29836	0.022753	0.316515	
	0.183536	2.300466	0.022631	0.315973	
	-0.3057	-2.29876	0.02273	0.316423	
MEG3;HHIPL1;MEG8;ENSG00000225746	-0.57319	-2.30235	0.022522	0.315675	
	-0.26046	-2.3011	0.022594	0.315932	
	0.210741	2.296854	0.022841	0.316875	
EGLN3-AS1	0.299875	2.300337	0.022638	0.316001	
	0.187917	2.299429	0.022691	0.316189	
	0.360545	2.301419	0.022576	0.315901	
PTPN20A	0.300087	2.300538	0.022627	0.315973	
	-0.24797	-2.30044	0.022633	0.315973	
	0.294813	2.298857	0.022724	0.316415	
P2RX4;KNTC1;P2RX7	0.261419	2.299352	0.022696	0.316218	
	-0.2092	-2.2973	0.022815	0.316707	
	0.279499	2.296431	0.022866	0.31696	
PES1	-0.23562	-2.3001	0.022652	0.316015	
	-0.64709	-2.29771	0.022791	0.316621	
	0.210637	2.300197	0.022647	0.316001	
TIPARP	-0.3425	-2.30045	0.022632	0.315973	
	PRDX2;ZNF44	-0.20594	-2.29485	0.022958	0.317453
	ERGIC3;MYL9;SOGA1;PROCR;EPB41L1;MMP24-AS1	-0.21728	-2.29547	0.022922	0.31729
EML1;DEGS2;ENSG00000271417;MEG3;HHIPL1;BCL11B;BEGAI	-0.28613	-2.30149	0.022572	0.315865	
	0.213415	2.302106	0.022536	0.315745	
	N;ENSG00000225746;SLC25A29;MEG8;CCDC85C	0.242909	2.294537	0.022977	0.31753
IRX3;CRNDE;IRX5;ENSG00000259725	-0.16757	-2.29283	0.023077	0.317992	
	0.269662	2.297413	0.022808	0.316699	
	0.269583	2.298802	0.022728	0.316423	
C1QTNF7	0.210653	2.301699	0.02256	0.31586	
	0.140345	2.296659	0.022852	0.316888	
	-0.2398	-2.30042	0.022633	0.315973	
AACS;CCDC92	-0.31552	-2.30111	0.022594	0.315932	
	-0.18555	-2.30286	0.022493	0.315511	
	0.274419	2.299145	0.022708	0.316316	
	-0.69303	-2.29179	0.023139	0.318214	

KIAA1211L;TSGA10;ENSG00000231822;ENSG00000273045	-0.28141	-2.30242	0.022518	0.315644
	0.141337	2.297578	0.022799	0.316655
SRGN;PRF1	0.274718	2.300712	0.022617	0.315973
	-0.24221	-2.30183	0.022552	0.315804
	0.908921	2.302014	0.022541	0.315758
EHHADH;CHRD	-0.30354	-2.30124	0.022586	0.315917
C1orf116	-0.32012	-2.29757	0.022799	0.316655
PRF1	0.397559	2.301934	0.022546	0.315794
MEIS2	0.297978	2.296753	0.022847	0.316888
ADAMTS2	-0.27282	-2.30178	0.022555	0.315822
	0.24192	2.301197	0.022589	0.315917
ACOT7	-0.19928	-2.30115	0.022591	0.315932
UNC13D;SLC16A5;ST6GALNAC2;SPHK1;SMIM5;MRPS7;RNF157- AS1;ST6GALNAC1;SMIM6	-0.26186	-2.29933	0.022697	0.316218
	-0.28978	-2.29832	0.022756	0.316515
PML;FAM219B;SEMA7A	0.263532	2.300252	0.022643	0.316001
	0.212105	2.296824	0.022843	0.316879
	-0.44463	-2.29996	0.02266	0.316024
	-0.21155	-2.29911	0.02271	0.316323
	-0.22409	-2.29969	0.022676	0.316062
	0.230971	2.292778	0.02308	0.317994
PLEKHH2;HAAO;DYNC2LI1;OXER1;PKDCC;THADA;COX7A2L;ENS G00000231826;ENSG00000229695;ENSG00000230587	0.228598	2.299075	0.022712	0.316328
	0.307281	2.301194	0.022589	0.315917
PBX3;ENG;GARNL3;ANGPTL2;TTC16	0.24558	2.296469	0.022864	0.31696
FLI1;ARHGAP32;ETS1	-0.25962	-2.30059	0.022624	0.315973
	0.153532	2.301851	0.022551	0.315799
	0.121583	2.297905	0.02278	0.316609
	0.221128	2.294921	0.022954	0.317444
SRSF9;RPLP0;RNU4-1;COX6A1;TRIAP1;MLEC;RNU4-2;RAB35 TSR1	-0.32362	-2.29874	0.022731	0.316423
	-0.2348	-2.29751	0.022803	0.31667
	-0.22979	-2.29836	0.022753	0.316515
	-0.30506	-2.29324	0.023053	0.31785
C1orf172;SPCS2P4	-0.18499	-2.29272	0.023084	0.318018
	-0.30597	-2.29996	0.02266	0.316024
	-0.32822	-2.29997	0.02266	0.316024
	-0.37809	-2.29883	0.022726	0.316423
TRPM2;ICOSLG;ITGB2;COL18A1;LRRC3	0.29811	2.298106	0.022768	0.31656
ENSG00000256973	-0.22751	-2.30077	0.022613	0.315973
	0.190515	2.297132	0.022825	0.316783
	0.176466	2.299723	0.022674	0.316044
	0.260383	2.299095	0.022711	0.316326
	-0.45335	-2.29999	0.022659	0.316024
	0.214893	2.299833	0.022668	0.316042

WNT9A	0.315475	2.299339	0.022696	0.316218
	0.243554	2.297589	0.022798	0.316655
	-0.32479	-2.30085	0.022608	0.315973
	-0.21183	-2.29736	0.022811	0.316707
NDUFB1;C14orf142	0.261045	2.290231	0.023231	0.318667
	-0.19767	-2.29709	0.022827	0.316805
	-0.18099	-2.29463	0.022971	0.317517
VN2R11P	0.385693	2.297754	0.022789	0.316621
	0.327297	2.300641	0.022621	0.315973
	0.218377	2.299276	0.0227	0.31623
	0.266972	2.297269	0.022817	0.316712
STK32B;EVC;S100P;CRMP1;CYTL1;ENSG00000170846 ASIC1;SPATS2;WNT10B	0.22567	2.299856	0.022666	0.316042
	0.187467	2.298732	0.022732	0.316423
	-0.16437	-2.29513	0.022942	0.317399
	-0.21448	-2.30108	0.022595	0.315934
	0.296431	2.296976	0.022834	0.316831
	0.228574	2.302564	0.02251	0.315622
	0.22408	2.292253	0.023111	0.318134
	0.20689	2.301032	0.022598	0.315935
	0.213592	2.299732	0.022674	0.316044
	0.235201	2.300685	0.022618	0.315973
	0.159775	2.295893	0.022897	0.317118
	0.278992	2.29767	0.022793	0.316624
	0.302282	2.297738	0.02279	0.316621
	-0.22374	-2.29862	0.022738	0.316466
	-0.18404	-2.29521	0.022937	0.317373
	-0.29539	-2.29482	0.02296	0.317454
	0.244547	2.298909	0.022721	0.316404
	-0.39274	-2.29625	0.022876	0.317012
	0.274506	2.298253	0.022759	0.316515
	-0.32633	-2.30001	0.022657	0.316024
GULOP	-0.3437	-2.29462	0.022972	0.317517
EMP2;ATF7IP2;GRIN2A	0.301867	2.298672	0.022735	0.316441
	-0.17161	-2.29419	0.022997	0.317608
	0.227176	2.298167	0.022765	0.316549
CYP4Z2P	-0.4191	-2.29993	0.022662	0.316024
	-0.27386	-2.29304	0.023065	0.317901
	0.25415	2.296506	0.022861	0.316956
	-0.21472	-2.29838	0.022752	0.316515
KL;STARD13;STARD13-AS;N4BP2L2 TMEM258;TMEM216	0.255449	2.296357	0.02287	0.316982
	0.189095	2.299145	0.022708	0.316316
CDH5;FAM65A;CMTM4;RLTPR;SLC12A4;ATP6V0D1;FAM96B;CE S2;ZDHHC1;CES4A;TRADD;ENKD1;TSNAXIP1;CBFB;LCAT	-0.2595	-2.29542	0.022925	0.317293
	0.251283	2.300498	0.022629	0.315973
	0.269993	2.293939	0.023012	0.317687
	0.19809	2.295392	0.022927	0.317307

HES6	-0.33946	-2.30056	0.022625	0.315973
IGHD;KIAA0125;IGHJ3P;IGHM;IGHA1;IGHV3-11;IGHA2;IGHG2;IGHV3-15;IGHV3-21	0.237241	2.298472	0.022747	0.31651
	-0.16332	-2.2967	0.02285	0.316888
	0.34824	2.299863	0.022666	0.316042
	-0.26548	-2.29854	0.022743	0.316494
	0.181079	2.295469	0.022922	0.31729
TTYH2;TRIM65;UNC13D;GALK1	-0.37256	-2.29753	0.022802	0.316667
RARRES3;C11orf95;LRRN4CL;SCGB2A1;RTN3;MACROD1;C11orf48;HRASLS2;RCOR2;TTC9C	0.354234	2.289821	0.023255	0.318731
	0.138008	2.294835	0.022959	0.317453
	-0.19867	-2.29368	0.023027	0.317764
	0.138789	2.300439	0.022632	0.315973
	0.341265	2.298165	0.022765	0.316549
ZFHX3	-0.19025	-2.29982	0.022668	0.316042
	-0.17708	-2.29931	0.022698	0.316218
	-0.24892	-2.29793	0.022778	0.316601
	0.191099	2.296979	0.022834	0.316831
POLD3;SLCO2B1;ENSG00000254837;UVRAG	0.262243	2.294948	0.022953	0.317444
	-0.20938	-2.29515	0.022941	0.317389
DMRT3;DOCK8;KANK1	0.369714	2.292242	0.023112	0.318134
HADHAP1;CPE	-0.3247	-2.28765	0.023384	0.319337
	0.182157	2.29434	0.022988	0.317598
PTPN18	-0.21311	-2.28483	0.023553	0.32008
	-0.17909	-2.29768	0.022793	0.316624
	0.154973	2.29837	0.022753	0.316515
	-0.45364	-2.2965	0.022862	0.316956
	0.229064	2.297876	0.022781	0.316612
	0.306345	2.29794	0.022778	0.316601
ZNHIT1	-0.17111	-2.29729	0.022816	0.316707
	0.268905	2.29805	0.022771	0.316573
	0.188967	2.29613	0.022883	0.31705
	0.296948	2.297037	0.02283	0.316825
	-0.23445	-2.29676	0.022847	0.316888
	0.256548	2.295188	0.022939	0.317382
ENSG00000254263;GSDMC	-0.34287	-2.29602	0.02289	0.317098
	0.215861	2.298601	0.022739	0.316468
	0.216314	2.298157	0.022765	0.316549
	-0.27842	-2.2944	0.022985	0.317561
SMAD6;AAGAB;IQCH;RAB11A	0.341547	2.293232	0.023053	0.31785
	-0.21232	-2.298	0.022774	0.316573
TRAF5	0.297954	2.291261	0.02317	0.318345
	-0.14575	-2.29548	0.022921	0.31729
	0.285581	2.294931	0.022954	0.317444
	-0.41157	-2.2948	0.022961	0.317462
LRRC25	0.256907	2.300651	0.02262	0.315973
	-0.18711	-2.295	0.022949	0.317444



	-0.28595	-2.29851	0.022744	0.316497
	-0.16644	-2.30106	0.022597	0.315935
HRNR;JTB	-0.21728	-2.29635	0.02287	0.316982
NEK6;OLFML2A	-0.17083	-2.29729	0.022815	0.316707
	-0.22747	-2.29772	0.022791	0.316621
	0.220693	2.300107	0.022652	0.316015
DOCK10	-0.33103	-2.29336	0.023046	0.317824
	0.283503	2.2939	0.023014	0.317694
C6orf211	-0.29363	-2.2967	0.02285	0.316888
	0.281341	2.296219	0.022878	0.317018
	-0.2436	-2.29454	0.022977	0.31753
NTM	-0.24021	-2.29179	0.023138	0.318214
	-0.30762	-2.29416	0.022999	0.317608
	-0.26044	-2.29667	0.022852	0.316888
	0.248323	2.296297	0.022874	0.316986
RAET1E;PPP1R14C;LRP11;ENSG00000268592;MTHFD1L	-0.29117	-2.29135	0.023165	0.318328
RPS6KA4	-0.28268	-2.29389	0.023015	0.317694
	0.172945	2.296667	0.022852	0.316888
	-0.20246	-2.29199	0.023127	0.318156
	0.116574	2.29458	0.022974	0.317526
	0.24143	2.289913	0.02325	0.318731
ENSG00000249574;PDGFA;CYP2W1;PSMG3	0.335584	2.296442	0.022865	0.31696
FCHO1;JAK3;FAM129C;MAST3;B3GNT3;NR2F6;MYO9B	-0.2669	-2.29105	0.023182	0.318374
	0.151673	2.297529	0.022802	0.316667
FBXO17;RYR1;ZNF540;RINL	-0.24546	-2.29773	0.02279	0.316621
PITPNC1	0.328117	2.293505	0.023037	0.317795
	0.181027	2.295211	0.022937	0.317373
	-0.14987	-2.28788	0.023371	0.319337
	-0.20293	-2.29812	0.022767	0.31656
RGMA	-0.25849	-2.2983	0.022757	0.316515
	0.154022	2.29019	0.023233	0.318667
	0.20192	2.295943	0.022894	0.317108
GDE1;GPRC5B;COQ7;ARL6IP1;TMC5	-0.26873	-2.30121	0.022588	0.315917
ENSG00000257261	0.171154	2.293411	0.023043	0.317821
CSGALNACT1;INTS10	0.253425	2.298498	0.022745	0.316499
	0.409326	2.294211	0.022996	0.317608
	-0.18389	-2.29499	0.02295	0.317444
	0.300387	2.298135	0.022766	0.316556
	-0.20568	-2.29667	0.022852	0.316888
	-0.27275	-2.29835	0.022754	0.316515
	0.110553	2.293373	0.023045	0.317824
TAP1;PSMB8;PSMB9;TAPSAR1;HLA-DMB;HLA-DRA;BAK1;C6orf10;HLA-DMA;TAP2	-0.31631	-2.29774	0.022789	0.316621
	-0.26079	-2.29264	0.023088	0.318049
	0.252064	2.29566	0.022911	0.317266
MLH3;LTBP2	0.196555	2.296761	0.022846	0.316888
	0.364563	2.298537	0.022743	0.316494

EBF3;MGMT;GLRX3	0.293445	2.291011	0.023185	0.318374
	0.293978	2.294049	0.023005	0.317653
HAGH	-0.21122	-2.29693	0.022837	0.316837
PMEPA1	-0.26208	-2.29781	0.022785	0.316621
	0.23775	2.296018	0.02289	0.317098
	-0.23649	-2.28964	0.023266	0.318763
DENND5B	-0.31002	-2.29692	0.022837	0.316837
	0.211727	2.294948	0.022953	0.317444
	-0.27372	-2.29119	0.023174	0.318358
	0.329323	2.295303	0.022932	0.31734
	0.17162	2.294846	0.022959	0.317453
	-0.19592	-2.29799	0.022775	0.316573
	0.324934	2.294276	0.022992	0.317608
	0.182877	2.297356	0.022812	0.316707
	0.258151	2.297304	0.022815	0.316707
FLI1;ETS1;ARHGAP32	0.258777	2.294446	0.022982	0.317558
	0.219829	2.294439	0.022982	0.317558
	-0.24594	-2.2932	0.023055	0.317863
	-0.22532	-2.29387	0.023016	0.317694
	-0.3052	-2.29526	0.022934	0.317352
	0.184762	2.297608	0.022797	0.316654
	0.229734	2.292354	0.023105	0.318112
	-0.30174	-2.29748	0.022804	0.316674
	0.214209	2.295893	0.022897	0.317118
	-0.31845	-2.29599	0.022892	0.317098
IL32;ENSG00000262370;CCDC64B;ENSG00000205890;PRSS22;				
HN1L;PAQR4;TMEM204	-0.21793	-2.29638	0.022869	0.316982
UBAC1;CAMSAP1	0.132158	2.290791	0.023198	0.318451
PRR26	-0.18201	-2.29265	0.023088	0.318049
	-0.29227	-2.29698	0.022834	0.316831
MRGPRF	-0.28249	-2.29207	0.023122	0.318156
PSMD13	0.205253	2.29486	0.022958	0.317453
FAM3D	-0.36516	-2.29243	0.023101	0.318082
	0.246654	2.295263	0.022934	0.317352
BNIPL;THEM4;CGN;SELENBP1;RORC	-0.28919	-2.29583	0.022901	0.317151
	0.214023	2.298056	0.022771	0.316573
	0.29919	2.295956	0.022894	0.317108
	-0.16351	-2.29504	0.022947	0.317444
HN1L;NME4;TMEM204;SOX8;RGS11;UNKL;ENSG00000260807;				
POLR3K;ENSG00000196674;CCDC78;IFT140	-0.24186	-2.29441	0.022984	0.317561
	0.263414	2.292077	0.023122	0.318156
	-0.47259	-2.29538	0.022927	0.317307
	0.321238	2.291403	0.023161	0.318322
MAP7;IL20RA	-0.24578	-2.29215	0.023117	0.318134
CEACAM19	0.50028	2.297147	0.022824	0.316781
UGP2;ENSG00000172974;AFTPH	-0.29869	-2.29631	0.022873	0.316986
	-0.23158	-2.29492	0.022954	0.317444

CARD8;PLA2G4C	-0.3219	-2.29613	0.022883	0.31705
	-0.23064	-2.29685	0.022841	0.316875
TET1;TSPAN15;COL13A1;PBLD;TACR2;STOX1;HK1;ENSG00000260400	-0.2803	-2.2915	0.023155	0.318308
SNHG3;SNORA73B	-0.14362	-2.29313	0.023059	0.317895
	0.197316	2.29468	0.022968	0.317506
	0.281614	2.291714	0.023143	0.318243
	0.111611	2.294194	0.022997	0.317608
	-0.14756	-2.2922	0.023114	0.318134
SCNN1B;UBFD1;NDUFAB1;NPIPB5;SCNN1G;COG7	-0.33537	-2.28951	0.023273	0.318794
	-0.2163	-2.2942	0.022997	0.317608
	0.313825	2.294225	0.022995	0.317608
	0.259658	2.293567	0.023034	0.317794
	0.347681	2.292418	0.023101	0.318082
DOK2	-0.29693	-2.29203	0.023125	0.318156
COX7A2L	0.244932	2.296744	0.022847	0.316888
	0.256444	2.296139	0.022883	0.31705
ZNF366;ENSG00000261269	0.196299	2.293302	0.023049	0.317844
IFT46;USP2;C2CD2L;DSCAML1;CCDC153;USP2-AS1;MCAM;CBL;ENSG00000254590	-0.27703	-2.29385	0.023017	0.317694
	-0.1868	-2.2928	0.023079	0.317992
	-0.25578	-2.29736	0.022811	0.316707
	0.200244	2.293604	0.023032	0.317794
HAPLN3	0.248973	2.29115	0.023176	0.318374
NTM;TMEM45B;ST14	0.277739	2.293703	0.023026	0.317755
	0.211463	2.293768	0.023022	0.317723
	-0.21494	-2.28977	0.023258	0.318731
EHMT2	-0.26734	-2.29291	0.023073	0.317979
RBM43;RIF1	-0.34258	-2.29777	0.022788	0.316621
	0.235347	2.295426	0.022925	0.317293
DNAH12;C3orf67;IL17RD;RNU6-1181P;DENND6A;ASB14;ABHD6;ENSG00000237186;RNF7P1;RNU6-108P;ARHGEF3;ENSG00000242428;FLNB;DNASE1L3;SLMAP	-0.37811	-2.29114	0.023177	0.318374
	0.273841	2.294467	0.022981	0.317556
	0.16988	2.291108	0.023179	0.318374
	0.202676	2.288759	0.023318	0.319027
	-0.15108	-2.29199	0.023127	0.318156
	0.17293	2.293596	0.023032	0.317794
	0.238937	2.294283	0.022992	0.317608
	0.294587	2.294837	0.022959	0.317453
	0.254921	2.294151	0.022999	0.317608
	-0.4211	-2.29306	0.023064	0.3179
	-0.2225	-2.29631	0.022873	0.316986
	-0.32539	-2.29298	0.023068	0.317942
	0.294212	2.293062	0.023063	0.3179

CD300A;CD300LF;SLC16A5 DAD1	0.225286	2.291927	0.02313	0.318162
	-0.27565	-2.2924	0.023102	0.318082
	-0.26564	-2.29359	0.023032	0.317794
	-0.18979	-2.28885	0.023313	0.319019
	0.210042	2.29534	0.02293	0.317331
SURF4	-0.14444	-2.29287	0.023075	0.317982
	0.125939	2.295915	0.022896	0.317118
	0.152457	2.288485	0.023334	0.31911
	0.221619	2.294647	0.02297	0.317517
	-0.30961	-2.29379	0.023021	0.317719
TRAF3IP1;TWIST2;ENSG00000232306 HOXD3	-0.27821	-2.29381	0.023019	0.31771
	-0.23355	-2.29247	0.023098	0.318082
	-0.30691	-2.29557	0.022916	0.31729
PSMB8;PFDN6	0.199926	2.295726	0.022907	0.317223
	0.17088	2.289733	0.02326	0.318749
	0.122716	2.290341	0.023224	0.318648
	-0.21937	-2.29496	0.022952	0.317444
	-0.19129	-2.29341	0.023043	0.317821
ENSG00000255565	0.124605	2.296352	0.02287	0.316982
	0.331913	2.287053	0.02342	0.319428
	0.319431	2.296064	0.022887	0.317082
	-0.26223	-2.29184	0.023136	0.318202
	-0.17927	-2.29355	0.023035	0.317794
GIT2;ENSG00000256139	-0.18752	-2.29621	0.022879	0.317019
	0.188341	2.294603	0.022973	0.317517
	-0.25688	-2.2966	0.022856	0.316899
	0.210936	2.291459	0.023158	0.318317
	0.238039	2.294258	0.022993	0.317608
	0.319847	2.295552	0.022917	0.31729
	-0.1907	-2.29747	0.022805	0.316675
	0.220065	2.291459	0.023158	0.318317
	-0.19373	-2.29282	0.023078	0.317992
RPL9P8	0.248114	2.291495	0.023156	0.318308
DENND1C;TNFSF14;ENSG00000267262;VAV1;ENSG00000266983;RFX2	-0.22698	-2.29634	0.022871	0.316982
	-0.2444	-2.29112	0.023178	0.318374
MAP10	0.362628	2.29242	0.023101	0.318082
	-0.39451	-2.29515	0.02294	0.317389
	-0.36463	-2.29415	0.022999	0.317608
	0.289688	2.293514	0.023037	0.317795
HLA-DOA;HLA-DPB1;HLA-DMB;TAP2;HLA-DPA1;HLA-DRA;RPL32P1;HLA-DMA;TAP1;SYNGAP1;PSMB9;HLA-DOB;HLA-DQA2	0.312513	2.296607	0.022855	0.316899
	0.31935	2.292489	0.023097	0.318082
	0.254875	2.293854	0.023017	0.317694
	0.247759	2.294699	0.022967	0.317501
ADAM9;EIF4EBP1 SLC2A10	-0.29723	-2.29553	0.022919	0.31729

FMNL3;TMBIM6;LMBR1L GATM	0.203896	2.289217	0.023291	0.318923
	0.254112	2.293132	0.023059	0.317895
	-0.36052	-2.29169	0.023144	0.31825
MBOAT1;ID4	0.219538	2.294014	0.023007	0.317653
	0.21458	2.295549	0.022917	0.31729
	-0.26196	-2.29587	0.022898	0.317123
AGBL4;SPATA6 ENSG00000258449	0.131432	2.290913	0.02319	0.318413
	-0.15976	-2.28978	0.023257	0.318731
	0.128131	2.293393	0.023044	0.317822
FRMPD2;C10orf128	0.185326	2.297194	0.022821	0.316755
	0.261415	2.291597	0.02315	0.318272
	0.149683	2.293257	0.023052	0.31785
ZDHC23;TIGIT;GRAMD1C;KIAA1407 ENSG00000262370;CDIP1;IL32;FLYWCH1;C16orf71;GLIS2	-0.32611	-2.29419	0.022997	0.317608
	-0.33261	-2.29346	0.02304	0.317821
	-0.15971	-2.29058	0.02321	0.318541
RNF166;CBFA2T3;PIEZO1 ZNF57;MOB3A;GNG7;S1PR4	-0.23663	-2.29217	0.023116	0.318134
	0.191246	2.291985	0.023127	0.318156
	-0.36799	-2.2902	0.023233	0.318667
MOCS1;DAAM2 FZD7;CASP8;ENSG00000182329;ALS2CR12;NDUFB3;ALS2;ENSG 00000238770;BMPR2;NIF3L1;CFLAR	0.216497	2.290242	0.02323	0.318667
	-0.29303	-2.28895	0.023307	0.319003
	0.202109	2.291027	0.023184	0.318374
LAX1	0.229294	2.293886	0.023015	0.317694
	0.300244	2.289327	0.023284	0.318893
	0.235537	2.294408	0.022984	0.317561
AMPD3;MRVI1-AS1	-0.31377	-2.29354	0.023035	0.317794
	0.18895	2.293714	0.023025	0.317755
	-0.2101	-2.29448	0.02298	0.317554
ENSG00000254980;C11orf1 FGFR2	-0.26165	-2.29413	0.023001	0.317615
	0.252881	2.295552	0.022917	0.31729
	-0.29457	-2.29476	0.022963	0.31747
ENSG00000271553 STAT5A IGJ	0.506352	2.292897	0.023073	0.317979
	-0.32376	-2.29358	0.023033	0.317794
	0.238732	2.291858	0.023134	0.318202
EBF3	0.207312	2.290725	0.023202	0.318458
	-0.22226	-2.2873	0.023405	0.31939
	0.201399	2.295591	0.022915	0.31729
	-0.39115	-2.29204	0.023124	0.318156
	0.19678	2.291775	0.023139	0.318214
	-0.26158	-2.2931	0.023061	0.317895
	0.166851	2.290562	0.023211	0.318545
	0.203036	2.294764	0.022963	0.31747
	0.276224	2.292341	0.023106	0.318113
	-0.38947	-2.29405	0.023005	0.317653
	-0.30545	-2.29227	0.02311	0.318134
	-0.20322	-2.28871	0.023321	0.319029
	0.185998	2.294495	0.022979	0.317553

UQCC2	0.332032	2.293578	0.023033	0.317794
	-0.22985	-2.29253	0.023095	0.318082
TMEM204;HN1L	0.185175	2.293102	0.023061	0.317895
	0.224518	2.292497	0.023097	0.318082
SLC6A9;IPP;TMEM53;TMEM69;CCDC24	0.143564	2.292676	0.023086	0.318045
	0.172212	2.287779	0.023377	0.319337
	0.309381	2.28951	0.023274	0.318794
	-0.23878	-2.29017	0.023234	0.318667
	-0.29352	-2.29214	0.023118	0.318134
	-0.28635	-2.295	0.022949	0.317444
ATP6V1G1;ENSG00000237073	-0.1942	-2.29335	0.023046	0.317824
	-0.23399	-2.29532	0.022931	0.317333
ZNF33B	-0.34002	-2.28731	0.023405	0.31939
DNAJC16;FHAD1;KAZN	-0.25763	-2.29311	0.023061	0.317895
	-0.21269	-2.29005	0.023241	0.318684
	-0.17618	-2.29474	0.022965	0.317477
	0.171407	2.288274	0.023347	0.319179
ALG1L;MCM2	0.3288	2.292609	0.02309	0.318049
	-0.30477	-2.29548	0.022922	0.31729
CD27;SCNN1A;LTBR	0.148622	2.29415	0.022999	0.317608
	-0.24416	-2.28716	0.023414	0.319421
PTPRB;KCNMB4	0.256869	2.295566	0.022916	0.31729
	-0.26006	-2.29159	0.02315	0.318272
LPCAT1;NKD2;TRIP13;MRPL36;NDUFS6	-0.24649	-2.29018	0.023234	0.318667
	0.203646	2.292788	0.02308	0.317994
APBA2	0.172824	2.292427	0.023101	0.318082
	0.204622	2.293421	0.023042	0.317821
	0.257377	2.29276	0.023081	0.317998
	-0.22275	-2.29222	0.023113	0.318134
RFX8;TBC1D8;AFF3;NPAS2;CNOT11;ENSG00000272902	0.304879	2.288628	0.023326	0.319055
	0.190534	2.291212	0.023173	0.318354
HEG1	0.168649	2.289643	0.023266	0.318763
	0.263146	2.290596	0.023209	0.318541
	0.23364	2.290899	0.023191	0.318414
	0.151437	2.293322	0.023048	0.317839
RPL3P2	-0.21705	-2.29128	0.023169	0.318345
	0.233193	2.292812	0.023078	0.317992
	-0.16694	-2.29135	0.023165	0.318328
	0.226029	2.290292	0.023227	0.318667
LINC00982;RER1	-0.23166	-2.28736	0.023402	0.319386
C6orf10;ZBTB9;HSD17B8;B3GALT4;TAP2	-0.27312	-2.29072	0.023202	0.318458
	-0.38411	-2.28981	0.023256	0.318731
SLBP;ZNF876P	0.148441	2.290227	0.023231	0.318667
	0.183406	2.291051	0.023182	0.318374
	0.230067	2.288988	0.023305	0.319003
	0.127826	2.28677	0.023437	0.319518
	-0.40845	-2.29461	0.022972	0.317517

	-0.25883	-2.28978	0.023257	0.318731
WBSCR22;ELN;ABHD11;WBSCR27;CLDN4;CLIP2	0.280066	2.291636	0.023148	0.318272
ADAM12;FANK1;DHX32;FANK1-AS1	-0.2586	-2.28894	0.023307	0.319003
PPARGC1B	-0.38995	-2.28639	0.02346	0.319635
ADCY4;NFATC4;GZMB;PSME2	0.230683	2.289949	0.023247	0.318728
	-0.27602	-2.29255	0.023093	0.318081
BAIAP2	-0.33072	-2.29324	0.023053	0.31785
DENND3	-0.21659	-2.2922	0.023114	0.318134
	0.218046	2.292626	0.023089	0.318049
FLI1;SENCR;TP53AIP1;ARHGAP32;ETS1	-0.33431	-2.28987	0.023252	0.318731
LETM1	0.238885	2.289073	0.0233	0.319003
	-0.26558	-2.28337	0.023641	0.320455
	-0.1574	-2.29084	0.023195	0.318441
	0.347728	2.289405	0.02328	0.318852
IRX3	-0.26853	-2.2819	0.023729	0.320867
	-0.12022	-2.28896	0.023306	0.319003
	0.28663	2.29329	0.02305	0.317844
	-0.25558	-2.28932	0.023285	0.318893
TCP1	-0.26283	-2.29425	0.022994	0.317608
RNF150;H3F3AP6;ELMOD2;SCOC	-0.34809	-2.2916	0.02315	0.318272
	0.265982	2.29294	0.023071	0.317964
TBC1D10C;UNC93B1;GSTP1;ALDH3B1;ALDH3B2;CD248;FAM86				
C2P;PITPNM1;ENSG00000255306;SPTBN2	-0.28085	-2.29012	0.023237	0.318668
	-0.1859	-2.29096	0.023188	0.318405
HLA-DMA;HLA-DOA;HLA-DMB;HLA-DPB1;HLA-DPA1;TAPBP;HSD17B8;UQCC2	0.266981	2.293974	0.02301	0.317668
	-0.31476	-2.29179	0.023139	0.318214
	-0.34733	-2.29401	0.023008	0.317653
MLKL	-0.27206	-2.29163	0.023148	0.318272
	0.306292	2.289934	0.023248	0.318728
	0.20169	2.293503	0.023038	0.317795
	-0.17721	-2.28666	0.023443	0.319522
	0.168171	2.287488	0.023394	0.319337
	0.109367	2.290219	0.023231	0.318667
	0.191656	2.290746	0.0232	0.318458
	0.204736	2.291162	0.023176	0.318374
	-0.38995	-2.28965	0.023265	0.318763
LINC00638	-0.22663	-2.28877	0.023317	0.319027
	-0.27446	-2.29233	0.023107	0.318114
HLA-K;HLA-H	-0.18842	-2.28767	0.023383	0.319337
	-0.25521	-2.28821	0.023351	0.3192
	0.215024	2.291351	0.023164	0.318328
	0.093403	2.286694	0.023441	0.319522
GLIS2;CREBBP;CDIP1	-0.3146	-2.29059	0.02321	0.318541
	0.314095	2.28461	0.023566	0.320157
	0.155099	2.291044	0.023183	0.318374
	0.202738	2.289855	0.023253	0.318731

	-0.1683	-2.29241	0.023102	0.318082
	0.28147	2.291842	0.023135	0.318202
	0.237551	2.291936	0.02313	0.318162
	0.272594	2.29138	0.023163	0.318328
	0.262327	2.291954	0.023129	0.318162
	0.316614	2.290358	0.023223	0.318648
	-0.19279	-2.29014	0.023236	0.318668
CARS;MRPL23;KCNQ1;NAP1L4	-0.20744	-2.28759	0.023388	0.319337
	0.230775	2.288412	0.023339	0.319123
	0.239327	2.292173	0.023116	0.318134
	0.239087	2.288036	0.023361	0.319281
SELL	-0.31445	-2.29193	0.02313	0.318162
TXNDC11	0.204795	2.29081	0.023196	0.318451
	0.296045	2.292151	0.023117	0.318134
TTC39A;CDKN2C;ENSG00000261664	0.358143	2.290797	0.023197	0.318451
	0.190189	2.281842	0.023733	0.320871
	0.232765	2.287073	0.023419	0.319426
	-0.2651	-2.29005	0.023241	0.318684
	0.184137	2.289887	0.023251	0.318731
	0.167657	2.283129	0.023655	0.32047
	-0.15424	-2.28913	0.023296	0.318974
	0.215838	2.285491	0.023513	0.319846
	0.300426	2.288805	0.023315	0.319026
	0.28467	2.289383	0.023281	0.318859
	0.273492	2.289831	0.023254	0.318731
EVI2B;ADAP2	-0.22033	-2.28957	0.02327	0.318794
	-0.25061	-2.29156	0.023152	0.318288
GARNL3;TRUB2;PKN3	0.276218	2.294023	0.023007	0.317653
	0.34563	2.287593	0.023388	0.319337
	-0.39707	-2.29381	0.023019	0.31771
TIE1;TMEM125;CCDC30;LEPRE1;WDR65;PTPRF;C1orf210;TMSB				
4XP1;FAM183A;ENSG00000236180	-0.46828	-2.2915	0.023156	0.318308
GRAMD3	-0.35958	-2.28736	0.023402	0.319386
	0.185969	2.29203	0.023124	0.318156
	0.211879	2.290775	0.023199	0.318454
RER1	0.178263	2.291026	0.023184	0.318374
	0.208318	2.291236	0.023171	0.318345
	0.216136	2.288181	0.023353	0.3192
	-0.2562	-2.29007	0.02324	0.318684
	0.143941	2.289523	0.023273	0.318794
	-0.1756	-2.29124	0.023171	0.318345
SPON1;PDE3B	-0.5088	-2.28964	0.023266	0.318763
	-0.12453	-2.28967	0.023264	0.318763
RUNX3	0.413652	2.292544	0.023094	0.318081
	0.211549	2.288538	0.023331	0.319088
	0.234842	2.285671	0.023502	0.31981
ANKRD24	0.252961	2.291031	0.023183	0.318374



TTYH2;FBF1;HN1;MYO15B SIPA1L2;NTPCR	-0.19634	-2.29141	0.023161	0.318322
	-0.41246	-2.28888	0.023311	0.319019
	-0.21871	-2.29073	0.023201	0.318458
	-0.22987	-2.28703	0.023421	0.319428
	-0.26538	-2.28858	0.023329	0.319073
SLC25A27 CTDP1	0.25002	2.28875	0.023319	0.319027
	-0.25543	-2.28333	0.023643	0.320461
SUN1;PSMG3	0.290606	2.290413	0.02322	0.318635
	0.255042	2.289267	0.023288	0.318914
	0.2391	2.287669	0.023383	0.319337
	0.265322	2.288772	0.023317	0.319027
	-0.36283	-2.28903	0.023302	0.319003
SCARA5 BRI3;ZKSCAN1 ARHGAP29;ABCD3	0.223801	2.287795	0.023376	0.319337
	0.274065	2.291317	0.023166	0.318341
	0.328104	2.291283	0.023168	0.318345
	0.177938	2.29016	0.023235	0.318667
	0.185639	2.290122	0.023237	0.318668
	0.339242	2.292205	0.023114	0.318134
	0.238751	2.291403	0.023161	0.318322
	0.268604	2.287705	0.023381	0.319337
	0.277531	2.289777	0.023258	0.318731
	0.185556	2.292207	0.023114	0.318134
	-0.31059	-2.28924	0.02329	0.318917
	-0.25236	-2.28886	0.023312	0.319019
C6orf10;CLIC1;HSPA1A CCDC92	0.263623	2.284349	0.023582	0.320208
	-0.20947	-2.28772	0.02338	0.319337
	-0.3004	-2.28678	0.023436	0.319518
PUS1;ENSG00000256151	0.24798	2.292876	0.023074	0.317982
	-0.36391	-2.28682	0.023433	0.319513
	0.298489	2.292071	0.023122	0.318156
	0.219209	2.288801	0.023316	0.319026
	0.258402	2.288098	0.023358	0.319241
PTPN22;AMPD1	0.226336	2.290051	0.023241	0.318684
	0.27324	2.288661	0.023324	0.319043
	0.165509	2.290183	0.023234	0.318667
	0.309882	2.291999	0.023126	0.318156
	0.254405	2.288163	0.023354	0.3192
	-0.23899	-2.28633	0.023463	0.319674
	-0.194	-2.28535	0.023521	0.319917
MRGPRF	-0.26826	-2.29144	0.023159	0.31832
	-0.16083	-2.28771	0.023381	0.319337
	0.166237	2.288391	0.02334	0.319123
GAL3ST2	-0.18732	-2.29034	0.023224	0.318648
	0.229966	2.28844	0.023337	0.319123
	0.325789	2.286782	0.023436	0.319518
	-0.20337	-2.29094	0.023189	0.318411
	0.23939	2.287151	0.023414	0.319421
PLIN3;MRPL54				

PADI1	-0.24246	-2.2895	0.023274	0.318794
	-0.16036	-2.28821	0.023351	0.3192
	-0.31224	-2.29101	0.023184	0.318374
	-0.22331	-2.28104	0.023781	0.32108
NME4;MSLN;ENSG00000196674;RGS11;TPSD1;CACNA1H;MSLNL	-0.26858	-2.28968	0.023263	0.318763
	0.130317	2.284853	0.023552	0.32008
	-0.12196	-2.29023	0.023231	0.318667
	-0.19112	-2.28927	0.023288	0.318914
HHIPL1	-0.32062	-2.28752	0.023392	0.319337
	0.19453	2.286133	0.023475	0.319737
FAM192A	0.294609	2.288502	0.023333	0.319106
	-0.18396	-2.29242	0.023101	0.318082
	0.124771	2.291262	0.02317	0.318345
	0.362013	2.287955	0.023366	0.31931
	0.239626	2.291756	0.023141	0.318219
	0.216738	2.286495	0.023453	0.319598
VASH1;IFT43;CIPC;AHSA1;SPTLC2;C14orf166B;ANGEL1;GPATCH2L;SLIRP PTPN7;TMEM183A;ELF3;CYB5R1;TIMM17A;PPFIA4 TRAF4;TLCD1;SPAG5;KIAA0100;NLK	-0.21397	-2.28983	0.023255	0.318731
	0.262504	2.288426	0.023338	0.319123
	-0.18736	-2.28505	0.02354	0.320035
	0.308701	2.289503	0.023274	0.318794
	0.169993	2.290335	0.023225	0.318648
	0.121208	2.287527	0.023392	0.319337
	0.414591	2.288593	0.023328	0.319073
	0.090523	2.275468	0.024121	0.322435
	0.158148	2.286122	0.023475	0.319737
	0.132052	2.287864	0.023371	0.319337
RNF213;NPLOC4;PYCR1	-0.28142	-2.2896	0.023268	0.318785
	-0.28665	-2.28144	0.023757	0.320983
WDR54;ALMS1;C2orf81 THBS2;MLLT4;SMOC2 SLC25A17	-0.27984	-2.28788	0.023371	0.319337
	-0.14833	-2.28415	0.023594	0.320236
GVINP1	0.209498	2.285643	0.023504	0.31981
	-0.31185	-2.28801	0.023363	0.319296
	0.140704	2.288712	0.023321	0.319029
USP10;ATP2C2;IRF8;COTL1	-0.2823	-2.2851	0.023536	0.320029
	-0.25732	-2.28837	0.023341	0.319123
	0.117015	2.284226	0.023589	0.320216
	-0.1796	-2.28157	0.023749	0.32094
ENSG00000247081;BAALC;AZIN1;ENSG00000246263;ENSG0000253320;RIMS2 PAG1	-0.23248	-2.28823	0.02335	0.3192
	0.326337	2.286989	0.023424	0.319434
	0.222635	2.28989	0.023251	0.318731
	-0.21018	-2.28722	0.02341	0.319406
	0.218061	2.288974	0.023305	0.319003
	-0.1668	-2.2884	0.023339	0.319123

MYO1C;C17orf97;SCARF1;SLC43A2;HIC1;NXN;YWHAE;SMG6;E NSG00000263050	-0.24678	-2.28884	0.023314	0.319019
RUNX3	0.323578	2.288434	0.023338	0.319123
TTC28;XBP1;MTMR3	-0.29089	-2.28697	0.023425	0.319436
	0.224314	2.28315	0.023654	0.32047
	-0.38135	-2.28895	0.023307	0.319003
JAK3;FCHO1;B3GNT3	-0.17563	-2.28545	0.023516	0.319868
	0.147445	2.28742	0.023398	0.319363
	0.234444	2.284892	0.023549	0.320075
	-0.24238	-2.28574	0.023498	0.319789
ARNT	0.31772	2.291625	0.023148	0.318272
	-0.36804	-2.28382	0.023614	0.320312
	-0.19838	-2.2877	0.023381	0.319337
ENSG00000224387	-0.20573	-2.2857	0.023501	0.319805
ZNF540;SPINT2;ZNF781	-0.28396	-2.28895	0.023307	0.319003
	0.157968	2.288344	0.023343	0.319133
	0.329055	2.288862	0.023312	0.319019
FGD2	-0.21629	-2.29093	0.02319	0.318413
HLA-K;HLA-H	-0.29688	-2.28698	0.023424	0.319434
	0.254937	2.286722	0.02344	0.319518
	0.198248	2.288538	0.023331	0.319088
	-0.19569	-2.28385	0.023612	0.320309
	0.248752	2.28223	0.023709	0.320788
	0.177375	2.286481	0.023454	0.319599
CDH5;CMTM4;CDH11;BEAN1	-0.39226	-2.28994	0.023248	0.318728
	0.208798	2.287135	0.023415	0.319422
ITGAE	-0.26463	-2.29088	0.023193	0.318422
	-0.21341	-2.28751	0.023393	0.319337
EGFL7;UAP1L1	0.166151	2.288979	0.023305	0.319003
	0.318184	2.287939	0.023367	0.31931
	0.199027	2.285892	0.023489	0.319769
	0.197408	2.283709	0.02362	0.320353
	-0.35865	-2.2875	0.023393	0.319337
	0.224099	2.284198	0.023591	0.320216
ZNF808	0.293873	2.287975	0.023365	0.31931
	0.251401	2.290359	0.023223	0.318648
FAM78A	0.296381	2.288872	0.023311	0.319019
VDR	0.255419	2.288669	0.023324	0.319043
ENSG00000249574	-0.22013	-2.27833	0.023946	0.321598
	-0.20239	-2.28999	0.023245	0.318721
	-0.17972	-2.28925	0.023289	0.318917
	-0.23285	-2.28865	0.023324	0.319043
	0.255346	2.282486	0.023694	0.32067
	0.35847	2.282355	0.023702	0.320737
SLFN12L;CCL5	0.229317	2.28463	0.023565	0.320157
	0.319117	2.289531	0.023272	0.318794
RCBTB1;KPNA3;TRIM13;EBPL	-0.28308	-2.28043	0.023818	0.321174

SLCO4A1;SLC17A9;COL9A3;OSBPL2;GATA5 FMN2	-0.42527	-2.28709	0.023418	0.319426
	-0.32251	-2.28644	0.023457	0.319603
	-0.17408	-2.28488	0.02355	0.320075
	-0.22007	-2.28759	0.023388	0.319337
	0.213419	2.283233	0.023649	0.32047
	0.280814	2.287766	0.023377	0.319337
	0.232551	2.287409	0.023399	0.319363
	-0.32609	-2.28593	0.023487	0.319769
	0.349657	2.279665	0.023865	0.321362
	-0.17297	-2.28315	0.023654	0.32047
ESRP1;PLEKHF2;DPY19L4	-0.18248	-2.28661	0.023446	0.319556
	-0.38649	-2.28335	0.023642	0.320455
	0.277646	2.286522	0.023452	0.319596
	-0.25129	-2.27903	0.023903	0.321455
	0.251029	2.280416	0.023819	0.321174
	0.381643	2.288162	0.023354	0.3192
	-0.22033	-2.28817	0.023353	0.3192
	-0.294	-2.28596	0.023485	0.319769
	-0.28982	-2.28579	0.023495	0.319787
	0.325519	2.287939	0.023367	0.31931
NID2	-0.2115	-2.28494	0.023546	0.320064
	0.205423	2.285244	0.023528	0.319966
	-0.18715	-2.28487	0.02355	0.320075
	0.277229	2.290448	0.023218	0.318617
	-0.259	-2.28323	0.023649	0.32047
	-0.20958	-2.28393	0.023607	0.320287
	0.373061	2.288721	0.02332	0.319029
	0.227385	2.285878	0.02349	0.319769
	-0.2122	-2.28751	0.023392	0.319337
	0.206763	2.287562	0.023389	0.319337
PTPN20A CTSW	-0.33126	-2.28837	0.023341	0.319123
	0.212974	2.286874	0.023431	0.3195
	-0.21571	-2.2854	0.023518	0.319896
	-0.27227	-2.27839	0.023942	0.321598
	-0.26131	-2.28775	0.023378	0.319337
	-0.37798	-2.28168	0.023743	0.32094
	0.19012	2.287758	0.023378	0.319337
	-0.14734	-2.28362	0.023626	0.320353
	-0.2037	-2.28743	0.023398	0.319363
	0.255084	2.288845	0.023313	0.319019
MFNG;CSF2RB;IL2RB;LGALS1	-0.32914	-2.28431	0.023584	0.320214
	0.291894	2.285145	0.023534	0.320016
	0.238464	2.287306	0.023405	0.31939
	-0.28299	-2.28561	0.023506	0.31981
	-0.2011	-2.28431	0.023584	0.320214
	-0.27224	-2.28666	0.023443	0.319522
	0.299718	2.285678	0.023502	0.31981
TNFRSF10C BAI1;RHPN1-AS1				

CSGALNACT1;PSD3;SH2D4A;INTS10;NAT1;ASAH1	-0.34297	-2.28379	0.023616	0.320312
	-0.27964	-2.28565	0.023504	0.31981
	0.329626	2.286068	0.023479	0.319737
	-0.31716	-2.28904	0.023302	0.319003
	-0.26186	-2.28425	0.023588	0.320216
	-0.26288	-2.28755	0.02339	0.319337
	0.270503	2.283048	0.02366	0.320517
	-0.28459	-2.28515	0.023534	0.320016
	-0.35844	-2.28941	0.02328	0.318852
	-0.28153	-2.28608	0.023478	0.319737
TLE2	-0.23462	-2.28046	0.023817	0.321174
	-0.16691	-2.28281	0.023674	0.320589
ZMYM4-AS1	-0.21259	-2.28393	0.023607	0.320287
	-0.30453	-2.28529	0.023525	0.319948
GMDS;FOXF2	0.314548	2.287276	0.023407	0.3194
	0.20289	2.281843	0.023733	0.320871
F10;GAS6	0.232258	2.28466	0.023563	0.320154
	0.284285	2.289052	0.023301	0.319003
HEBP1	-0.27039	-2.28718	0.023412	0.319419
	0.165895	2.282342	0.023703	0.320737
	0.209405	2.2878	0.023375	0.319337
	0.213607	2.285547	0.02351	0.31983
PPP4R1	0.290193	2.281598	0.023747	0.32094
	0.241348	2.284508	0.023572	0.320196
GP5	-0.2989	-2.28272	0.02368	0.320626
	-0.14703	-2.28346	0.023635	0.320427
	-0.21456	-2.28319	0.023651	0.32047
ZNHIT2	0.104263	2.279879	0.023852	0.321302
	0.282947	2.283472	0.023634	0.320424
	0.14252	2.283139	0.023655	0.32047
	0.112577	2.28035	0.023823	0.321185
	0.198078	2.283387	0.02364	0.320453
	-0.21907	-2.27986	0.023852	0.321302
	-0.26357	-2.28606	0.023479	0.319737
	0.281666	2.285498	0.023513	0.319846
	-0.53277	-2.28154	0.023751	0.32094
PPFIA4;UBE2T;CYB5R1;PPP1R12B	-0.23774	-2.28624	0.023469	0.319726
	-0.38787	-2.28704	0.023421	0.319428
	-0.31078	-2.28722	0.02341	0.319406
	-0.2085	-2.28561	0.023506	0.31981
	0.29777	2.285938	0.023487	0.319769
SCAMP2	-0.28686	-2.28441	0.023578	0.320208
	0.302984	2.283638	0.023625	0.320353
	-0.19734	-2.28213	0.023715	0.320816
ZKSCAN1;COPS6	0.35918	2.28712	0.023416	0.319422
	-0.20073	-2.28655	0.02345	0.319593
	0.235519	2.286862	0.023431	0.3195

ENSG00000270614;OLFM2	-0.20522	-2.28613	0.023475	0.319737
	-0.1975	-2.28762	0.023386	0.319337
	-0.31858	-2.27913	0.023897	0.321448
	0.26228	2.283347	0.023642	0.320455
NUP88;CXCL16	0.430132	2.284658	0.023563	0.320154
	0.257969	2.286147	0.023474	0.319737
	0.283052	2.285079	0.023538	0.320035
TRNP1;SFN;AIM1L;C1orf172;MED18;THEMIS2	-0.3594	-2.28117	0.023773	0.321042
	0.230452	2.284285	0.023586	0.320216
MAPK12	0.215548	2.286445	0.023456	0.319603
	0.257245	2.285019	0.023542	0.320035
	0.265078	2.282909	0.023668	0.320568
	-0.29681	-2.28321	0.02365	0.32047
SNRPD2	0.145061	2.28753	0.023391	0.319337
	0.236551	2.281275	0.023767	0.320988
	0.185337	2.285009	0.023542	0.320035
	0.155391	2.281099	0.023778	0.321072
	0.169501	2.285381	0.02352	0.319905
	0.232352	2.283777	0.023616	0.320312
	0.209029	2.285561	0.023509	0.31983
	-0.34935	-2.28677	0.023437	0.319518
	0.1862	2.281542	0.023751	0.32094
	0.247188	2.28441	0.023578	0.320208
PLXNB1;P4HTM;FBXW12;PRKAR2A-AS1	0.25086	2.28443	0.023577	0.320208
	0.216316	2.287069	0.023419	0.319426
	0.144498	2.286254	0.023468	0.319723
	-0.36354	-2.28606	0.023479	0.319737
	0.122223	2.279914	0.023849	0.321302
	-0.25321	-2.28061	0.023807	0.321152
	-0.302	-2.28437	0.023581	0.320208
	0.322844	2.286539	0.023451	0.319593
WIPF1	0.337241	2.285824	0.023493	0.319769
BPIFB1	0.20769	2.282362	0.023701	0.320737
SNORA23	0.278447	2.284303	0.023585	0.320214
	-0.16854	-2.28061	0.023807	0.321152
KRT7;GALNT6;KRT80	-0.25271	-2.28651	0.023453	0.319598
TAP1;TAPSAR1;HLA-DMA;PSMB9;TAP2;HLA-DMB	-0.24499	-2.28915	0.023295	0.318967
	0.267099	2.286728	0.023439	0.319518
	0.340727	2.285735	0.023499	0.319789
SLC45A1;CAMTA1;PER3	-0.32612	-2.28157	0.023749	0.32094
	-0.14494	-2.28009	0.023839	0.321244
ANKRD9;ENSG00000259508	-0.34209	-2.28397	0.023605	0.320287
	-0.19775	-2.2862	0.023471	0.319737
	0.244764	2.27916	0.023895	0.321448
	0.312239	2.2825	0.023693	0.32067
ENSG00000259881;PIEZO1;CBFA2T3;ENSG00000261226;ENSG00000224888;TRAPPC2L;ANKRD11;ZFPM1	-0.23714	-2.28249	0.023694	0.32067

FAM149A;ORAOV1P1	0.274698	2.277766	0.02398	0.321682
ENSG00000261659;ENSG00000196674;SOX8;NME4	0.420136	2.286049	0.02348	0.319737
	-0.2436	-2.28774	0.023379	0.319337
	0.284611	2.282892	0.023669	0.320572
	-0.25762	-2.28057	0.02381	0.321152
	0.240439	2.281027	0.023782	0.32108
	0.243933	2.283438	0.023636	0.320431
	-0.26339	-2.282	0.023723	0.32084
	0.199197	2.287678	0.023383	0.319337
	0.268409	2.282584	0.023688	0.320665
	0.366992	2.285841	0.023492	0.319769
TRAC;RBM23	-0.39546	-2.28583	0.023493	0.319769
	0.244816	2.282113	0.023716	0.320816
	0.115949	2.278672	0.023925	0.321537
IFRD2	-0.17518	-2.2856	0.023507	0.31981
	0.222102	2.285206	0.02353	0.319987
	0.280145	2.285877	0.02349	0.319769
	0.275602	2.284379	0.02358	0.320208
ZNF532;ATP8B1	-0.34259	-2.28646	0.023455	0.319603
P2RX4;P2RX7;KNTC1	0.417104	2.287112	0.023416	0.319422
ROR1	-0.2908	-2.27923	0.023891	0.321448
F10;TUBGCP3;ADPRHL1	0.259529	2.280277	0.023827	0.321204
ARAP3;PCDHGA5;PCDH1	0.244239	2.280906	0.023789	0.321109
	0.228302	2.284936	0.023547	0.320064
	0.152262	2.28194	0.023727	0.320842
ITGB7;KRT80	-0.29583	-2.28725	0.023408	0.319406
	0.288076	2.280183	0.023833	0.321223
	0.151692	2.279077	0.0239	0.321448
SMAD7	-0.27557	-2.28426	0.023587	0.320216
	0.295208	2.28748	0.023394	0.319337
	-0.34013	-2.2847	0.02356	0.320141
CCND2;TSPAN9;PARP11;AKAP3;ENSG00000250770	-0.24812	-2.28143	0.023758	0.320983
WSB1	0.211321	2.283636	0.023625	0.320353
MANF;ALAS1;VPRBP	0.171632	2.284462	0.023575	0.320196
TLR1	-0.25661	-2.27963	0.023867	0.321367
FARP2	0.290345	2.285851	0.023492	0.319769
SRSF3	-0.20005	-2.28584	0.023493	0.319769
	0.171642	2.287189	0.023412	0.319419
	0.15497	2.286162	0.023473	0.319737
ENSG00000259881;CBFA2T3	0.257891	2.283675	0.023622	0.320353
	0.197513	2.286994	0.023423	0.319434
CPXM2	0.214077	2.283242	0.023648	0.32047
	0.243612	2.284837	0.023552	0.32008
	-0.25411	-2.28096	0.023786	0.321109
SGIP1	-0.35164	-2.27683	0.024037	0.321931
	0.188183	2.286854	0.023432	0.3195
	-0.18112	-2.28512	0.023535	0.320022

IGHV3-7;CEP170B;IGHV1-2;IGHG3;IGHA1;C14orf80;IGHV3-11;IGHM

-0.15756	-2.28379	0.023616	0.320312
0.27917	2.278251	0.023951	0.321608
0.248732	2.286023	0.023481	0.319749
-0.27073	-2.28465	0.023564	0.320154
-0.22192	-2.28674	0.023438	0.319518
0.277838	2.28609	0.023477	0.319737

CERK;CELSR1;WNT7B;ATXN10;FBLN1  
TESC

-0.36501	-2.27743	0.024	0.321756
-0.3301	-2.2845	0.023572	0.320196
-0.12952	-2.28201	0.023723	0.32084
0.297285	2.286718	0.02344	0.319518
0.214181	2.285021	0.023541	0.320035

TSSC1

0.197496	2.284544	0.02357	0.320196
-0.20984	-2.28255	0.02369	0.32067

LINC00675;MYH3

-0.33966	-2.28301	0.023662	0.320517
-0.26958	-2.28734	0.023403	0.319387

ENSG00000167765;KLK11

-0.28031	-2.28361	0.023626	0.320353
-0.30768	-2.2842	0.023591	0.320216
0.329114	2.284089	0.023597	0.320251

RALGPS2

0.272792	2.283954	0.023605	0.320287
-0.25149	-2.2816	0.023747	0.32094
0.309071	2.284811	0.023554	0.320085
0.173554	2.287237	0.023409	0.319406
0.176733	2.284883	0.02355	0.320075
-0.28233	-2.27963	0.023867	0.321367
-0.36813	-2.28574	0.023498	0.319789

TFAP2C;RAE1

0.401094	2.286113	0.023476	0.319737
0.194136	2.28074	0.023799	0.321132
0.280638	2.279379	0.023882	0.321436
-0.2405	-2.2875	0.023393	0.319337

SMO;TSPAN33;HILPDA;UBE2H;SND1

-0.20299	-2.27605	0.024085	0.322237
0.180822	2.28286	0.023671	0.320577
-0.28821	-2.28198	0.023724	0.32084
-0.17885	-2.27936	0.023883	0.321436

TVP23B;SNORD3B-1

-0.35154	-2.28281	0.023675	0.320589
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ZHX2;FAM83A;ENSG00000254000;FER1L6;FAM83A-AS1

-0.32407	-2.28757	0.023389	0.319337
0.282602	2.284189	0.023591	0.320216
-0.26887	-2.28136	0.023762	0.320986

RAD51-AS1

0.254482	2.283693	0.023621	0.320353
0.251376	2.285244	0.023528	0.319966
0.249058	2.281195	0.023772	0.321034
-0.2873	-2.28505	0.02354	0.320035
-0.27952	-2.28612	0.023475	0.319737
-0.26923	-2.28582	0.023493	0.319769
-0.14018	-2.28263	0.023685	0.320641
0.245968	2.283481	0.023634	0.320424
-0.20869	-2.28435	0.023582	0.320208



THNSL1;OTUD1	-0.15744	-2.28597	0.023484	0.319769
	-0.33058	-2.27834	0.023945	0.321598
	-0.18923	-2.28249	0.023694	0.32067
TTC18;DNAJC9-AS1	-0.31078	-2.28194	0.023727	0.320842
	0.148146	2.279668	0.023864	0.321362
	-0.25304	-2.28315	0.023654	0.32047
TMEM255B;TMCO3;TFDP1;CDC16	0.225138	2.283794	0.023615	0.320312
	0.426575	2.283928	0.023607	0.320287
	-0.31148	-2.28473	0.023559	0.320129
DPYSL4 XBP1	0.227937	2.283232	0.023649	0.32047
	-0.4257	-2.28448	0.023574	0.320196
	-0.33167	-2.27893	0.023909	0.321482
ZNF280D	-0.13252	-2.28153	0.023751	0.32094
	-0.29728	-2.28199	0.023724	0.32084
	-0.22272	-2.28667	0.023443	0.319522
TSR1;CRK;ENSG00000263050;SLC43A2	-0.15476	-2.2839	0.023609	0.320295
	0.262742	2.27962	0.023867	0.321367
	0.115222	2.284947	0.023546	0.320064
RSPH1;TMPRSS3	-0.32244	-2.28186	0.023732	0.320871
	0.285336	2.28008	0.023839	0.321246
	0.21552	2.280646	0.023805	0.321152
COL9A2;PABPC4;PPIE;SMAP2	0.222843	2.272153	0.024324	0.323417
	-0.19049	-2.28303	0.023661	0.320517
	0.237191	2.283014	0.023662	0.320517
TTC23;ARRDC4	-0.28587	-2.28529	0.023525	0.319948
	0.248893	2.279053	0.023902	0.321455
	0.272924	2.284093	0.023597	0.320251
HES6;TRAF3IP1;TWIST2	0.125818	2.28023	0.02383	0.321204
	0.226059	2.274604	0.024173	0.322625
	-0.29434	-2.28267	0.023683	0.320633
COX7A2;RPL39P3	0.28459	2.283196	0.023651	0.32047
	-0.23103	-2.27876	0.02392	0.321517
	0.292634	2.281809	0.023735	0.320888
VPS52	0.272232	2.281582	0.023748	0.32094
	0.244801	2.2815	0.023753	0.320956
	0.154185	2.282702	0.023681	0.320626
HSPG2;USP48;LDLRAD2;CDC42	-0.1322	-2.27643	0.024062	0.322084
	-0.10948	-2.2828	0.023675	0.320589
	0.169092	2.283962	0.023605	0.320287
C12orf74;PLEKHG7	0.184386	2.278904	0.023911	0.321482
	-0.1667	-2.28082	0.023795	0.321109
	0.263597	2.284083	0.023598	0.320251
	-0.15747	-2.28005	0.023841	0.321246
	0.259975	2.282955	0.023666	0.320541
	0.23469	2.282199	0.023711	0.320798
	-0.33631	-2.27957	0.023871	0.321382
	0.275143	2.280311	0.023825	0.321189

	0.186175	2.282703	0.023681	0.320626
	0.188291	2.285633	0.023505	0.31981
	0.234814	2.284505	0.023572	0.320196
TMPRSS3;RSPH1;C21orf128;SLC37A1;ENSG00000225431;ZNF295-				
AS1;LINC00479;LINC00111;ABCG1;PDE9A;U2AF1;UMODL1;TFF3;TMPRSS2;ENSG00000235772;C2CD2	-0.27112	-2.27622	0.024075	0.32217
	0.20828	2.285752	0.023498	0.319789
	0.303898	2.284135	0.023595	0.320239
	0.240139	2.282851	0.023672	0.320577
JAK3;FCHO1;IL12RB1	-0.18298	-2.28258	0.023688	0.320665
ZBED2;CD96	-0.23705	-2.27935	0.023884	0.321436
	0.267494	2.283863	0.023611	0.320309
	-0.21777	-2.2855	0.023513	0.319846
ENSG00000255367;CD81;ENSG00000183562	-0.2105	-2.28328	0.023646	0.32047
	-0.21845	-2.28154	0.023751	0.32094
	-0.19254	-2.27702	0.024025	0.321863
	-0.18701	-2.28352	0.023631	0.320401
DNAJC14;COQ10A;DGKA	0.22357	2.279804	0.023856	0.321315
	0.142277	2.272157	0.024324	0.323417
	0.265413	2.283211	0.02365	0.32047
	0.335456	2.282499	0.023693	0.32067
	-0.37408	-2.28089	0.02379	0.321109
CLDN7;ALOX12P2;ACAP1;BCL6B;CLEC10A;CTC1;FAM64A;DVL2	0.22312	2.284189	0.023591	0.320216
	-0.16243	-2.28043	0.023818	0.321174
	0.19629	2.284464	0.023575	0.320196
LINC00968;TMEM68;SDR16C5;XKR4;SBF1P1	-0.2577	-2.28109	0.023778	0.321072
ENSG00000223907	-0.26391	-2.2844	0.023579	0.320208
PCDHAC1;IK;CYSTM1;ZMAT2;ECSCR;SPATA24;PCDHB1;ANKHD1	-0.27857	-2.27667	0.024047	0.322
	-0.30948	-2.28059	0.023809	0.321152
	-0.21957	-2.28588	0.02349	0.319769
	0.246396	2.278674	0.023925	0.321537
	-0.2235	-2.27809	0.02396	0.321655
SIAH3;LINC00284	0.264722	2.282286	0.023706	0.32077
MLLT4;ENSG00000231720;PRR18;ENSG00000228648	0.262878	2.283562	0.023629	0.320381
ANO1	-0.25136	-2.27718	0.024016	0.321825
LAX1	0.197113	2.283609	0.023626	0.320353
	0.274202	2.275187	0.024138	0.322521
	-0.35006	-2.28136	0.023762	0.320986
	0.201374	2.280095	0.023838	0.321244
	0.250658	2.285043	0.02354	0.320035
	-0.15767	-2.27813	0.023958	0.321637
	0.179726	2.281069	0.023779	0.321077
	-0.28265	-2.2834	0.023639	0.320453
	-0.46776	-2.28134	0.023763	0.320986

	0.23425	2.275495	0.024119	0.322435
	-0.32633	-2.28363	0.023625	0.320353
S100P;ABLM2;HTRA3;AFAP1;PSAPL1;KIAA0232;CCDC96;SORC				
S2;ACOX3;SH3TC1	0.307112	2.278153	0.023956	0.321637
	-0.25568	-2.28084	0.023794	0.321109
	0.297537	2.275111	0.024142	0.322543
	-0.20606	-2.284	0.023603	0.320287
EEF1A1P5	0.184957	2.278584	0.02393	0.321568
	0.201881	2.281654	0.023744	0.32094
	0.26465	2.283161	0.023653	0.32047
	-0.1041	-2.27988	0.023851	0.321302
HCP5;TAP2;TAP1;HLA-DMA;TAPSAR1;HLA-DMB;HLA-B	0.265213	2.28462	0.023565	0.320157
GJC1;MEOX1;MPP2;RUNDC1;HIGD1B;EFTUD2;GPATCH8;ENSG				
00000267505;VAT1;TMEM106A	-0.19252	-2.28135	0.023763	0.320986
	0.233082	2.275899	0.024094	0.32228
	0.307397	2.282682	0.023682	0.320632
SLC25A27	0.154178	2.282467	0.023695	0.320676
CTSF	0.246683	2.282707	0.023681	0.320626
	-0.1596	-2.2796	0.023868	0.321367
	0.237697	2.284211	0.02359	0.320216
	-0.15553	-2.27776	0.02398	0.321682
	-0.48753	-2.28128	0.023767	0.320988
	0.201942	2.280929	0.023788	0.321109
	-0.3278	-2.27953	0.023873	0.321398
	-0.21195	-2.2799	0.023851	0.321302
	0.205823	2.282388	0.0237	0.32073
	-0.34255	-2.28219	0.023712	0.320798
	0.183729	2.281632	0.023745	0.32094
	-0.28696	-2.28402	0.023601	0.320287
	0.185909	2.276479	0.024059	0.322068
	0.154901	2.279679	0.023864	0.321362
CYCS	-0.27659	-2.28474	0.023558	0.320129
	-0.15255	-2.27734	0.024006	0.321768
	0.224236	2.280954	0.023786	0.321109
	-0.21804	-2.28199	0.023724	0.32084
	-0.19105	-2.28218	0.023712	0.320798
	0.3363	2.283066	0.023659	0.320511
	0.128885	2.277935	0.02397	0.321667
	-0.24333	-2.28081	0.023795	0.321109
	0.307582	2.278011	0.023965	0.321667
	0.223727	2.280515	0.023813	0.321154
	-0.21278	-2.28089	0.02379	0.321109
	0.269919	2.278443	0.023939	0.321598
	-0.20838	-2.27933	0.023885	0.321436
	0.22451	2.277197	0.024015	0.321823
	-0.13284	-2.2785	0.023936	0.321598
	0.146973	2.280772	0.023797	0.321126

CDH5;TMEM208;CMTM4	-0.2596	-2.27926	0.023889	0.321448
	0.250312	2.279222	0.023891	0.321448
TMEM170A;ENSG00000203472;BCAR1;CHST6;GABARAPL2;TM				
EM231;ENSG00000259972;ENSG00000260884	0.28816	2.27406	0.024207	0.322789
PSORS1C3;ENSG00000272501;SLC44A4;HLA-C	0.45376	2.276287	0.02407	0.322144
GNG7	0.271478	2.280382	0.023821	0.321185
	0.298679	2.282643	0.023684	0.320641
	-0.19761	-2.28393	0.023607	0.320287
	-0.32277	-2.2789	0.023911	0.321482
SPINT2;ZNF527;ZNF540;PAK4;ZNF573;PSMD8	-0.2843	-2.2791	0.023899	0.321448
	-0.21372	-2.27557	0.024114	0.322435
	0.186279	2.277969	0.023968	0.321667
	-0.2263	-2.27388	0.024218	0.322842
	0.227753	2.279753	0.023859	0.321341
PDCD1	0.254255	2.28056	0.02381	0.321152
TNXB;C4A	-0.25614	-2.2825	0.023693	0.32067
ATG9B;GIMAP5;GIMAP2;GIMAP7;GIMAP8	-0.32953	-2.28046	0.023816	0.321174
	0.211761	2.269612	0.024482	0.324247
ENSG00000188525	-0.23831	-2.27892	0.02391	0.321482
	0.162383	2.281117	0.023777	0.321067
ARHGAP31;ARHGAP31-AS1;COX17	-0.5089	-2.28024	0.02383	0.321204
	-0.17506	-2.27869	0.023924	0.321537
PDCD6;LPCAT1;TPPP	-0.24952	-2.27908	0.0239	0.321448
AHCYL2;RBM28;HILPDA	0.273074	2.281489	0.023754	0.320956
FOXE1;C9orf156	0.325542	2.282276	0.023707	0.32077
ADSS	0.222684	2.281391	0.02376	0.320986
	-0.16756	-2.28053	0.023812	0.321152
ENSG00000215244;FBXO18	-0.27107	-2.28161	0.023747	0.32094
	0.193034	2.281419	0.023758	0.320983
	0.257966	2.280922	0.023788	0.321109
	-0.14019	-2.28448	0.023574	0.320196
	0.233516	2.278231	0.023952	0.321614
	0.224322	2.278469	0.023937	0.321598
GRK5;SEC23IP;PRDX3	0.207124	2.279597	0.023869	0.321367
	-0.21114	-2.28186	0.023731	0.320871
	-0.32569	-2.2798	0.023856	0.321315
	0.256595	2.283892	0.023609	0.320295
	0.208923	2.279862	0.023853	0.321302
	-0.2283	-2.2807	0.023802	0.321152
FAM83H-AS1;RHPN1-AS1;MIR4664	-0.19999	-2.28178	0.023736	0.320895
	0.223555	2.278367	0.023943	0.321598
SYT11;ATP8B2;SHE;ASH1L;RAB25;MTX1	-0.1881	-2.2821	0.023717	0.320816
HMHA1;MOB3A	0.327492	2.282248	0.023708	0.320783
	-0.27006	-2.27797	0.023968	0.321667
PARD6B;DPM1;SNAI1;ATP9A;BCAS4;MOCS3	-0.38555	-2.2705	0.024426	0.323975
DOCK10	0.216104	2.279703	0.023862	0.321362
	0.521274	2.282108	0.023717	0.320816

ENSG00000217488	-0.18688	-2.28138	0.02376	0.320986
	0.181137	2.280123	0.023837	0.321244
PDGFA;PSMG3;CYP2W1;ENSG00000249574;ELFN1;GPR146;FA M20C	0.306569	2.280898	0.02379	0.321109
	0.417675	2.283772	0.023616	0.320312
	-0.29846	-2.27782	0.023977	0.321679
	0.242348	2.279522	0.023873	0.321398
	0.322143	2.277393	0.024003	0.321763
	0.22159	2.276908	0.024032	0.321908
	0.365946	2.278549	0.023932	0.321587
C1orf158;AGTRAP;FBXO6;VPS13D;FBXO44	-0.28417	-2.27763	0.023988	0.32171
	-0.16697	-2.27508	0.024144	0.322543
	-0.23561	-2.28087	0.023792	0.321109
	0.28021	2.282013	0.023722	0.32084
COL1A1;TOB1;EPN3;LRRC59;SGCA LRRC25 IFT140	-0.27717	-2.28016	0.023835	0.321232
	-0.2234	-2.28131	0.023765	0.320988
	-0.20279	-2.28076	0.023798	0.321126
	0.258284	2.280328	0.023824	0.321185
	0.234425	2.277795	0.023978	0.321682
	-0.17606	-2.27989	0.023851	0.321302
	0.316544	2.278656	0.023926	0.32154
	0.349449	2.28194	0.023727	0.320842
RIF1	0.289647	2.278423	0.02394	0.321598
	0.297336	2.280333	0.023824	0.321185
	0.281657	2.274783	0.024162	0.322608
	-0.25144	-2.2813	0.023765	0.320988
	0.245213	2.278989	0.023906	0.321455
	0.214067	2.279092	0.023899	0.321448
	0.263315	2.280552	0.023811	0.321152
	0.14898	2.280636	0.023806	0.321152
EPX	-0.33185	-2.27921	0.023892	0.321448
	0.216434	2.276813	0.024038	0.321936
GNL2	-0.25865	-2.27828	0.023949	0.321598
	0.307173	2.280539	0.023812	0.321152
GPR137B	-0.32352	-2.28285	0.023672	0.320577
	0.175859	2.27787	0.023974	0.321677
LRRC61;REPIN1;GIMAP8;GIMAP6;GIMAP5;GIMAP1	-0.17201	-2.27582	0.024099	0.322292
	-0.15544	-2.27853	0.023934	0.321594
	-0.15	-2.27505	0.024146	0.322543
	0.172274	2.277887	0.023973	0.321677
	0.324396	2.281121	0.023776	0.321067
	-0.20591	-2.2798	0.023857	0.321315
	-0.28019	-2.28205	0.02372	0.32084
	0.237344	2.274824	0.02416	0.322608
	0.206707	2.279342	0.023884	0.321436
OLFM2;ZNF121	-0.33292	-2.28082	0.023794	0.321109
ROBO4;ESAM;TMEM218;FEZ1	-0.23892	-2.27765	0.023987	0.321702

	0.234288	2.27835	0.023945	0.321598
	0.115618	2.277995	0.023966	0.321667
GRASP;ACVRL1;ACVR1B;ITGB7	0.163813	2.277746	0.023981	0.321687
	0.114575	2.275435	0.024123	0.322435
	-0.46855	-2.27913	0.023897	0.321448
KIAA1009	-0.32277	-2.27829	0.023948	0.321598
	0.200929	2.270426	0.024431	0.324009
	0.219236	2.275743	0.024104	0.322347
	0.261411	2.274395	0.024186	0.322635
TRAF3IP3	-0.23855	-2.28178	0.023737	0.320895
TACR2	0.183658	2.278821	0.023916	0.321497
	-0.37705	-2.2795	0.023875	0.321409
	0.2684	2.280028	0.023843	0.321258
SPNS2;ASPA;ENSG00000261863;SLC52A1;CYB5D2;C17orf85	-0.40014	-2.27039	0.024433	0.324027
	0.280012	2.282993	0.023663	0.32052
C10orf128;FRMPD2;LRRC18;ARHGAP22	-0.21012	-2.27808	0.023961	0.32166
	0.262834	2.279302	0.023887	0.321443
NUP210L;NPR1;SHE;JTB;ATP8B2;GATAD2B;SLC50A1;TDRD10;S100A8;FLAD1	0.463767	2.279807	0.023856	0.321315
	0.250364	2.280425	0.023818	0.321174
	0.240451	2.276025	0.024086	0.322237
	0.240779	2.278683	0.023924	0.321537
	0.254035	2.281276	0.023767	0.320988
	0.269815	2.278359	0.023944	0.321598
	0.231235	2.279015	0.023904	0.321455
	0.297968	2.279375	0.023882	0.321436
	-0.20188	-2.27478	0.024162	0.322608
	-0.15465	-2.28216	0.023714	0.320808
	0.220021	2.276516	0.024056	0.322048
	-0.19463	-2.27496	0.024152	0.322578
	0.191405	2.278689	0.023924	0.321537
ENOPH1;PLAC8;FAM175A	0.315401	2.280609	0.023807	0.321152
	-0.24719	-2.27637	0.024065	0.322117
	0.184531	2.278177	0.023955	0.321637
	0.180215	2.273143	0.024263	0.323072
	-0.22423	-2.27231	0.024315	0.323361
	0.223047	2.274413	0.024185	0.322635
SPCS2P4	-0.32218	-2.28064	0.023805	0.321152
ROBO4;PKNOX2;FEZ1;TMEM218	-0.35793	-2.27753	0.023994	0.321743
	-0.26701	-2.28012	0.023837	0.321244
	0.15879	2.277843	0.023975	0.321679
	-0.38181	-2.27609	0.024082	0.322237
FAM186A	-0.20459	-2.28161	0.023747	0.32094
AGO3;ADPRHL2	-0.32553	-2.27706	0.024023	0.321863
	-0.27307	-2.27794	0.023969	0.321667
NPIPA1	-0.39391	-2.28154	0.023751	0.32094

WNT10B;FMNL3;SPATS2	-0.31184	-2.27972	0.023861	0.32136
	-0.16028	-2.27481	0.024161	0.322608
	0.266214	2.279188	0.023894	0.321448
	0.205555	2.271256	0.02438	0.32371
ENSG00000259479;SERF2;LCMT2;CCNDBP1 WEE1;AMPD3	0.244292	2.273284	0.024255	0.323036
	-0.31491	-2.28036	0.023822	0.321185
	0.376918	2.280853	0.023793	0.321109
	-0.12204	-2.27942	0.02388	0.321436
NOSTRIN	0.356583	2.278777	0.023919	0.321512
	0.299067	2.278799	0.023917	0.321504
	-0.28673	-2.27659	0.024052	0.322025
	0.235313	2.277171	0.024016	0.321825
SEMA6A;ENSG00000248445	-0.29497	-2.27987	0.023852	0.321302
	0.189067	2.281035	0.023782	0.32108
	-0.29023	-2.27942	0.023879	0.321436
	-0.22343	-2.28126	0.023768	0.320988
SARDH HRK;KSR2 CCT8;USP16 SNX19	0.222312	2.280809	0.023795	0.321109
	-0.3869	-2.27934	0.023884	0.321436
	-0.24115	-2.2786	0.023929	0.321568
	-0.30546	-2.27519	0.024138	0.322521
EXOC4;C7orf49	0.307512	2.272913	0.024277	0.323174
	-0.14899	-2.27882	0.023916	0.321497
	-0.17927	-2.27332	0.024252	0.323036
	-0.29529	-2.28006	0.02384	0.321246
WBSCR17	-0.18046	-2.273	0.024272	0.323134
	0.294104	2.278134	0.023958	0.321637
	0.16156	2.2748	0.024161	0.322608
	-0.22565	-2.27725	0.024012	0.321814
UCK2	0.308329	2.276589	0.024052	0.322025
	-0.1458	-2.27658	0.024052	0.322025
	0.256925	2.276309	0.024069	0.322136
	-0.14777	-2.27828	0.023949	0.321598
CBFA2T3;ENSG00000259881;RNF166;ENSG00000224888;ENS G00000261226;PIEZO1	-0.19543	-2.27742	0.024001	0.321756
	0.169866	2.280589	0.023809	0.321152
	0.168633	2.279	0.023905	0.321455
	0.32618	2.277821	0.023977	0.321679
TMEM17;MDH1 PDLIM7;TSPAN17;COL23A1;LMAN2;ENSG00000246596;TMED 9;FGFR4;FAM193B	-0.25554	-2.27475	0.024164	0.322608
	0.235733	2.280245	0.023829	0.321204
	-0.37159	-2.27686	0.024035	0.321931
	-0.30123	-2.27403	0.024208	0.322798
DMPK;EML2;PPP1R13L;PVR;SNRPD2 ENSG00000197062 TBC1D10C	0.273435	2.28058	0.023809	0.321152
	-0.29283	-2.27768	0.023985	0.321702
	0.304376	2.279294	0.023887	0.321443
	-0.30642	-2.27942	0.02388	0.321436
COL4A2	-0.2719	-2.27683	0.024037	0.321931

	0.273992	2.278284	0.023948	0.321598
	0.193367	2.276736	0.024043	0.321969
	0.158036	2.268528	0.024549	0.324443
	0.322568	2.277989	0.023966	0.321667
KLF15;MGLL;MCM2;ALG1L;ABTB1;PODXL2	-0.55341	-2.27814	0.023957	0.321637
	0.335317	2.277599	0.02399	0.32171
	0.269684	2.278358	0.023944	0.321598
DYRK4	0.264391	2.271987	0.024335	0.323472
	0.129615	2.275454	0.024121	0.322435
	-0.25919	-2.27508	0.024144	0.322543
ENSG00000267395;GIPR	-0.29898	-2.27789	0.023973	0.321677
TMCO3;CUL4A;TFDP1	0.168253	2.277305	0.024008	0.321785
DENND5A;WEE1;AKIP1;SBF2;TMEM9B;C11orf16;STK33	-0.32581	-2.27696	0.024029	0.321879
	0.288188	2.27593	0.024092	0.32227
HOXB-AS2;HOXB4	-0.33947	-2.27447	0.024182	0.322634
	0.20588	2.279338	0.023884	0.321436
	0.200284	2.280375	0.023822	0.321185
RUNX3	0.242415	2.278888	0.023912	0.321482
	-0.29131	-2.27796	0.023968	0.321667
ANXA2;ENSG00000259575;ENSG00000259481;ENSG00000259591	-0.30408	-2.28025	0.023829	0.321204
TRPM2;ICOSLG	-0.36293	-2.27996	0.023847	0.321302
	-0.24272	-2.27766	0.023986	0.321702
NETO2	0.306407	2.277145	0.024018	0.321825
	0.242321	2.277505	0.023996	0.321746
CRTC3;MFGE8;CIB1;KIF7;ABHD2;IDH2;ENSG00000228998	0.333097	2.278412	0.023941	0.321598
HLA-DQA1	-0.4977	-2.27742	0.024001	0.321756
	0.235206	2.277043	0.024024	0.321863
	-0.7185	-2.27744	0.024	0.321756
	-0.2841	-2.27758	0.023991	0.32171
	-0.20729	-2.27181	0.024345	0.323524
TP53AIP1;ST14;FLI1;ETS1;ARHGAP32;TMEM45B	-0.27812	-2.27554	0.024116	0.322435
NRN1	0.303179	2.276544	0.024055	0.322035
RUNX3	0.311356	2.280184	0.023833	0.321223
ELMO1;SFRP4;AMPH;TRGV4	-0.26391	-2.2775	0.023996	0.321746
LEPRE1;SCMH1;SLC2A1;TMSB4XP1	-0.30446	-2.27584	0.024098	0.322292
	0.220591	2.276644	0.024049	0.322004
PIGV;HMG2;TRNP1;FAM110D;PDIK1L;CEP85;NUDC	-0.2906	-2.27829	0.023948	0.321598
	0.251808	2.274922	0.024154	0.322593
MTMR9LP;FNDC5	-0.29684	-2.27914	0.023897	0.321448
	0.20314	2.270546	0.024424	0.323975
	0.307174	2.275705	0.024106	0.322368
	-0.20957	-2.27669	0.024046	0.322
	0.178457	2.276782	0.02404	0.321941
	0.233276	2.269944	0.024461	0.324194
	0.228239	2.278054	0.023963	0.321667
	0.238629	2.274605	0.024173	0.322625



RSPO1;GRIK3;FHL3;MTF1;MYCBP	-0.29886	-2.27801	0.023965	0.321667
	0.183788	2.271539	0.024362	0.323651
	0.187913	2.27908	0.0239	0.321448
	0.229766	2.277351	0.024005	0.321768
PDIA3P1;CHD1L;FMO5;GJA5	-0.32317	-2.27462	0.024173	0.322625
ENSG00000272078	-0.28648	-2.27466	0.02417	0.322622
	-0.28774	-2.27744	0.024	0.321756
	0.215284	2.278637	0.023927	0.321545
	0.156821	2.27475	0.024165	0.322608
	-0.21509	-2.27038	0.024434	0.324027
	-0.2117	-2.26823	0.024567	0.324535
TNXB;SLC44A4;NOTCH4;C4A;DDAH2;C6orf10	-0.35322	-2.27901	0.023905	0.321455
	-0.15234	-2.27793	0.02397	0.321667
	0.168431	2.274258	0.024195	0.322716
	-0.24944	-2.27067	0.024416	0.323927
ENSG00000260682;PLCG2;GAN	-0.38243	-2.27052	0.024425	0.323975
PLEKHA2;ENSG00000254290;TACC1;ENSG00000253414;ENSG00000254111;FGFR1;ENSG00000253161;GPR124;PPAPDC1B	-0.22782	-2.27285	0.024282	0.32318
	-0.23196	-2.27624	0.024073	0.322164
	0.240934	2.277244	0.024012	0.321814
	0.186296	2.27453	0.024178	0.322634
MAPK8	-0.26674	-2.27715	0.024017	0.321825
	0.174155	2.279129	0.023897	0.321448
	0.296348	2.276991	0.024027	0.321863
	-0.52386	-2.27547	0.02412	0.322435
	0.153518	2.278841	0.023915	0.321497
STAT2	-0.29026	-2.27918	0.023894	0.321448
	0.230878	2.278512	0.023935	0.321597
	0.237461	2.272457	0.024306	0.323329
	0.220048	2.277233	0.024013	0.321814
C1orf50	0.131865	2.268154	0.024572	0.324535
	-0.17104	-2.2776	0.02399	0.32171
NFATC4;ADCY4	-0.39122	-2.27736	0.024005	0.321768
KIAA0930	-0.2416	-2.27782	0.023977	0.321679
	0.310859	2.27607	0.024084	0.322237
MIPEP	0.321895	2.278312	0.023947	0.321598
PROM2	-0.21868	-2.27455	0.024177	0.322634
	0.279231	2.275092	0.024144	0.322543
	-0.16341	-2.2745	0.02418	0.322634
MACF1;MYCBP;TRIT1;AKIRIN1	0.244785	2.275429	0.024123	0.322435
	0.162908	2.269913	0.024463	0.324194
TXNL4A	0.347104	2.278289	0.023948	0.321598
	0.210461	2.277696	0.023984	0.321702
	-0.33768	-2.27759	0.023991	0.32171
NTRK3;MFGE8;HAPLN3;ABHD2;ACAN	0.295485	2.274533	0.024178	0.322634
	0.148922	2.275415	0.024124	0.322435

DNAJC16;KAZN;FHAD1	-0.3362	-2.27451	0.024179	0.322634
	-0.13475	-2.27341	0.024247	0.323025
MYLK3;ENSG00000261788;C16orf87;SHCBP1	-0.18684	-2.2713	0.024377	0.323695
LRRC73;CUL7;PEX6;KLC4;RSPH9	-0.17956	-2.27531	0.02413	0.322491
	0.247657	2.274589	0.024174	0.322628
	0.143198	2.274183	0.024199	0.322718
	0.160137	2.274097	0.024205	0.322769
	-0.2562	-2.27246	0.024306	0.323329
UNC45B	0.246304	2.27916	0.023895	0.321448
	0.22032	2.277665	0.023986	0.321702
ITGAL;ZNF629	0.215356	2.278982	0.023906	0.321455
HRK;RNFT2;NOS1;KSR2	-0.26543	-2.27506	0.024145	0.322543
SH2D3C;ENG	-0.34162	-2.27708	0.024022	0.321863
ABLIM2	0.232504	2.275161	0.024139	0.322521
NOVA2;EXOC3L2;SNRPD2	0.153903	2.277881	0.023973	0.321677
CYCS	0.212632	2.274413	0.024185	0.322635
	-0.30708	-2.27419	0.024199	0.322718
HN1L;UNKL;ENSG00000260807	0.186718	2.272331	0.024313	0.323351
	0.273921	2.27377	0.024225	0.322892
IFITM3;LRRC56	0.20753	2.277005	0.024026	0.321863
KCNAB2;THAP3;HES2	-0.21002	-2.27026	0.024441	0.324073
	-0.35463	-2.26791	0.024587	0.324593
	0.405996	2.275484	0.02412	0.322435
	0.349198	2.277476	0.023998	0.321756
	-0.20078	-2.26945	0.024492	0.32431
	-0.18948	-2.27129	0.024378	0.323695
	-0.22391	-2.26988	0.024465	0.324194
	0.154006	2.272444	0.024306	0.323329
	0.329092	2.276025	0.024086	0.322237
	0.198127	2.274477	0.024181	0.322634
	0.233584	2.276655	0.024048	0.322004
SH2D2A	-0.37324	-2.27702	0.024025	0.321863
	0.230083	2.277732	0.023982	0.321689
IGFBP5	0.20101	2.276784	0.02404	0.321941
	-0.23517	-2.27113	0.024387	0.323746
	-0.35245	-2.27525	0.024134	0.322519
	0.136892	2.269657	0.024479	0.324243
	0.238903	2.274475	0.024181	0.322634
	-0.2644	-2.26945	0.024491	0.32431
MAL2;ENPP2	-0.32156	-2.27655	0.024054	0.322035
GHDC	-0.18135	-2.27401	0.02421	0.322798
CACNA1C-AS4;CACNA1C;TULP3;CACNA1C-IT3;PRMT8;TSPAN9;ENSG00000250770	-0.29851	-2.27465	0.024171	0.322622
	-0.17182	-2.27341	0.024247	0.323025
	-0.3381	-2.27315	0.024263	0.323072
	-0.37687	-2.27595	0.024091	0.32227
	0.235675	2.275614	0.024112	0.322423

FZD6	0.274168	2.273836	0.024221	0.322852
	-0.30164	-2.27738	0.024004	0.321763
	-0.18246	-2.27466	0.02417	0.322622
ENSG00000264198;IKZF3	-0.18694	-2.27482	0.024161	0.322608
	-0.24053	-2.27541	0.024124	0.322435
	-0.22553	-2.27884	0.023915	0.321497
	-0.27574	-2.27699	0.024027	0.321863
	0.276042	2.267313	0.024625	0.324761
	0.265994	2.271447	0.024368	0.323664
	-0.19916	-2.27281	0.024284	0.323187
FZD10-AS1	0.263736	2.276257	0.024072	0.322159
	0.231857	2.27269	0.024291	0.323238
	0.201231	2.271994	0.024334	0.323472
	0.222628	2.27449	0.02418	0.322634
	0.239319	2.277772	0.02398	0.321682
	0.14639	2.271102	0.024389	0.323746
	-0.29942	-2.27482	0.02416	0.322608
TRIM69	0.199122	2.275276	0.024132	0.322508
	-0.17505	-2.27423	0.024196	0.322718
	-0.30569	-2.27642	0.024062	0.322084
	0.15549	2.270661	0.024417	0.323927
	-0.13683	-2.27338	0.024249	0.323025
	0.336677	2.275557	0.024115	0.322435
	-0.24976	-2.27612	0.024081	0.322237
MIR497HG;C17orf49;CHD3;C17orf59;KIAA0753;DVL2;CYB5D1; ENSG00000269928;SLC2A4;TMEM107	-0.19073	-2.27604	0.024086	0.322237
HHIPL1;DEGS2;BEGAIN	-0.26682	-2.27238	0.02431	0.323347
PPP1R32;LRRC10B;SCGB1A1;SCGB2A1;RAB3IL1;C11orf48;LRRN 4CL;FADS3;AHNAK;MTA2;ENSG00000255446;EML3;SLC3A2;T MEM258;INCENP;ENSG00000269089	-0.28486	-2.27023	0.024443	0.324082
ENSG00000188525;GRHL1;CYS1;KLF11;HPCAL1;MBOAT2;CPSF 3	-0.35863	-2.27122	0.024382	0.323724
SYNE3;ASB2;PPP4R4;CLMN;LINC00341;PRIMA1;UNC79;SERPIN A6	-0.29745	-2.26981	0.02447	0.324223
ITGB7;ACVRL1;ACVR1B	0.167054	2.269597	0.024482	0.324248
	0.306675	2.277221	0.024013	0.321814
	0.142734	2.276335	0.024067	0.322135
	-0.2363	-2.27108	0.02439	0.323752
	0.153344	2.272889	0.024279	0.323174
	0.28254	2.269719	0.024475	0.324239
	-0.16524	-2.27239	0.02431	0.323347
HLA-DQB1;HLA-DQA1;HLA-DRB1;HLA-DRB5	0.345252	2.274155	0.024201	0.322731
	0.130155	2.276988	0.024028	0.321863
	0.327814	2.274205	0.024198	0.322718
	-0.19263	-2.27228	0.024316	0.323369
GPR156;MAATS1;ARHGAP31;COX17	-0.32062	-2.27815	0.023957	0.321637
	0.191475	2.276323	0.024068	0.322135

TSSC1	0.222652	2.273653	0.024232	0.322921
	-0.27028	-2.27607	0.024084	0.322237
	0.301904	2.270533	0.024425	0.323975
	-0.19949	-2.27141	0.02437	0.323674
	0.255615	2.262349	0.024936	0.326218
	0.246479	2.272167	0.024323	0.323417
PADI1	-0.2244	-2.27538	0.024126	0.32245
	0.230417	2.275416	0.024124	0.322435
	0.20588	2.274748	0.024165	0.322608
	0.233105	2.273223	0.024258	0.323042
	-0.14695	-2.27505	0.024146	0.322543
	-0.19737	-2.27121	0.024382	0.323724
UBE2QL1;ENSG00000272520	0.217374	2.272195	0.024322	0.323412
	-0.24073	-2.27129	0.024378	0.323695
	-0.19007	-2.27326	0.024256	0.323039
SERPINB9;SLC22A23;BPHL;ENSG00000272320;ENSG00000233068;SERPINB6	-0.23047	-2.26424	0.024817	0.32566
	0.334792	2.272704	0.02429	0.323236
	0.248719	2.276033	0.024086	0.322237
	0.448113	2.274015	0.02421	0.322798
	0.310167	2.274323	0.024191	0.322674
	0.2857	2.276461	0.02406	0.322072
ABCA3;CACNA1H;CCNF;TRAF7	-0.23225	-2.27348	0.024242	0.323012
	-0.28728	-2.26975	0.024473	0.324224
	0.2152	2.273682	0.02423	0.322907
	-0.32125	-2.27516	0.024139	0.322521
	-0.33719	-2.276	0.024088	0.32224
	0.195937	2.274381	0.024187	0.322636
ATP6V1B1 RPL27A	0.196632	2.2733	0.024254	0.323036
	-0.3031	-2.27342	0.024246	0.323025
	0.24968	2.274668	0.02417	0.322622
IGHA2;KIF26A;IGHG2;C14orf2	0.215087	2.26847	0.024553	0.324443
	-0.17511	-2.27469	0.024168	0.322622
	-0.23503	-2.27465	0.02417	0.322622
	0.209878	2.270266	0.024441	0.324073
MZB1;SLC23A1 CGN;PLEKHO1;C1orf54;CTSK;THEM4 ENSG00000175898	0.335937	2.273234	0.024258	0.323042
	0.246515	2.271317	0.024376	0.323695
	-0.16861	-2.27464	0.024171	0.322622
	-0.32353	-2.27256	0.024299	0.323293
MCAM	-0.21983	-2.27543	0.024123	0.322435
	-0.23614	-2.27282	0.024283	0.323187
	0.376828	2.267778	0.024596	0.32466
	-0.30287	-2.27587	0.024096	0.32229
	0.146964	2.272589	0.024297	0.323293
	-0.26643	-2.27047	0.024428	0.323994
	0.243153	2.272256	0.024318	0.323382
	-0.27838	-2.27355	0.024239	0.322969

	-0.25617	-2.27419	0.024199	0.322718
	0.200777	2.268683	0.024539	0.324442
	0.153833	2.273379	0.024249	0.323025
	0.232542	2.271011	0.024395	0.323761
	0.25515	2.271529	0.024363	0.323651
GPR124;RAB11FIP1;FGFR1;ERLIN2	-0.2778	-2.27007	0.024453	0.324148
	-0.21157	-2.27386	0.024219	0.322842
CYB5D1;ARHGEF15;TMEM107;WDR16;USP43;DNAH2;CTC1	-0.27504	-2.27138	0.024372	0.323685
	0.177895	2.268835	0.02453	0.324424
	-0.2029	-2.27245	0.024306	0.323329
	0.282867	2.269379	0.024496	0.324328
	-0.23696	-2.2709	0.024402	0.323822
IDH1	0.274936	2.275997	0.024088	0.32224
	0.308889	2.272533	0.024301	0.323296
	0.192947	2.269279	0.024502	0.324345
	-0.19081	-2.27148	0.024366	0.323654
VAV1	-0.20871	-2.27503	0.024148	0.322543
	-0.34788	-2.27137	0.024373	0.323685
	-0.35782	-2.27685	0.024036	0.321931
	-0.19013	-2.26754	0.02461	0.324709
KLK11	-0.2027	-2.27592	0.024093	0.32227
	0.196087	2.273737	0.024227	0.322892
RPL22L1	0.168434	2.27195	0.024337	0.323483
	0.280804	2.272096	0.024328	0.323433
	-0.2392	-2.2744	0.024186	0.322635
	0.237332	2.273137	0.024264	0.323072
	-0.26504	-2.27257	0.024299	0.323293
	-0.2438	-2.27583	0.024099	0.322292
ADPRHL1;ATP11A;DCUN1D2;TUBGCP3	-0.40295	-2.27491	0.024154	0.322593
	0.232588	2.267298	0.024626	0.324761
	0.165057	2.272878	0.02428	0.323174
	-0.17291	-2.26959	0.024483	0.324248
MYH16;ZKSCAN1	0.132759	2.270458	0.024429	0.323994
PTPRG	0.278274	2.269775	0.024471	0.324223
	0.297112	2.272707	0.02429	0.323236
	-0.20739	-2.27441	0.024185	0.322635
	0.188716	2.27286	0.024281	0.323178
	0.23822	2.271148	0.024386	0.323746
	0.281446	2.272025	0.024332	0.323471
	0.325427	2.264706	0.024788	0.325486
	0.311753	2.273283	0.024255	0.323036
	0.254054	2.261805	0.02497	0.326328
SEMA3G;PPM1M;STAB1;DOCK3;PCBP4;POC1A;SFMBT1;NEK4; GLT8D1;PBRM1;NT5DC2;NISCH;ITIH3;ALAS1;SPCS1;PRKCD;RAD 54L2	-0.19555	-2.26938	0.024496	0.324328
	-0.23761	-2.27567	0.024108	0.322389

	0.20058	2.273091	0.024266	0.323093
	-0.16263	-2.27399	0.024211	0.322804
	-0.18269	-2.26752	0.024611	0.324709
	0.201782	2.269782	0.024471	0.324223
	-0.30725	-2.27092	0.024401	0.323819
	-0.21598	-2.26831	0.024562	0.324492
	-0.15488	-2.2722	0.024321	0.323412
	0.559788	2.275835	0.024098	0.322292
CLU	-0.22088	-2.27361	0.024234	0.322933
	-0.22252	-2.27502	0.024148	0.322543
	0.31097	2.274867	0.024157	0.322608
	0.235719	2.274423	0.024185	0.322635
PIK3CD;SPSB1;SLC2A5;RERE	-0.34703	-2.26914	0.024511	0.324345
	0.113302	2.273281	0.024255	0.323036
	-0.23372	-2.2715	0.024365	0.323651
	0.379387	2.270824	0.024406	0.323854
C9orf139;UAP1L1;LCNL1	0.267213	2.273228	0.024258	0.323042
FAM41C;SAMMD11;SKI;NADK;MXRA8;ENSG00000223764;SSU72				
;LINC01128;LINC00115;TUBB8P11	-0.25044	-2.27396	0.024213	0.322822
	0.111698	2.26816	0.024572	0.324535
	-0.19772	-2.26745	0.024616	0.32473
	-0.13402	-2.26848	0.024552	0.324443
IL12RB1;FCHO1	-0.30115	-2.27549	0.024119	0.322435
LINC00689	-0.2986	-2.27315	0.024263	0.323072
VAMP8;MRPL35	-0.37204	-2.26508	0.024764	0.325399
	-0.31204	-2.27362	0.024234	0.322933
	-0.21685	-2.2632	0.024882	0.32593
	0.273599	2.27478	0.024163	0.322608
	-0.27104	-2.27186	0.024343	0.32352
	0.160532	2.267237	0.024629	0.324761
	0.223418	2.270244	0.024442	0.324079
C11orf49;AGBL2	-0.36523	-2.27235	0.024312	0.323351
	-0.35203	-2.26979	0.024471	0.324223
	0.259837	2.268965	0.024522	0.324367
	0.217821	2.275206	0.024137	0.322521
	0.117638	2.271524	0.024363	0.323651
	0.327311	2.273452	0.024244	0.323025
	-0.25956	-2.27516	0.024139	0.322521
STAT4	-0.38658	-2.27156	0.024361	0.323651
	0.241251	2.273907	0.024216	0.322837
	0.237826	2.271632	0.024357	0.323643
	0.211749	2.271875	0.024341	0.323518
	0.23122	2.268393	0.024557	0.324476
	-0.24467	-2.27391	0.024216	0.322837
FAM192A;KATNB1;CNOT1;GPR56;NDRG4;GPR97	-0.19831	-2.26723	0.02463	0.324761
	0.10731	2.268724	0.024537	0.324442
NME9;FAIM	0.231133	2.273751	0.024226	0.322892

	-0.19418	-2.27372	0.024228	0.322894
ENSG00000224187;TPRG1	0.349382	2.274247	0.024195	0.322716
KLHDC8A	-0.394	-2.27277	0.024286	0.323213
SLC34A3	0.226886	2.27288	0.024279	0.323174
	0.251965	2.273596	0.024235	0.322938
	-0.23205	-2.27239	0.02431	0.323347
	-0.36042	-2.26816	0.024572	0.324535
FBXO42	0.164256	2.268649	0.024541	0.324442
	0.141164	2.269267	0.024503	0.324345
TAL1;CMPK1;ENSG00000226252	-0.23372	-2.26342	0.024869	0.325884
HIST1H4L	-0.53063	-2.26988	0.024465	0.324194
	-0.19885	-2.2677	0.024601	0.32466
	-0.19261	-2.26807	0.024577	0.324535
	0.208918	2.274962	0.024151	0.322578
UQCR10	0.182768	2.275314	0.02413	0.322491
	0.200908	2.27518	0.024138	0.322521
	-0.25321	-2.27331	0.024253	0.323036
	-0.15802	-2.26678	0.024658	0.324899
CCDC40	-0.378	-2.26584	0.024717	0.325203
LRGUK;SLC35B4;AGBL3;ENSG00000231098;CALD1	0.256373	2.271031	0.024394	0.323759
	0.190303	2.267914	0.024587	0.324593
MRPL42P6;AADACL2	-0.22053	-2.26171	0.024977	0.326328
	0.214356	2.269383	0.024496	0.324328
	-0.13752	-2.27339	0.024248	0.323025
	-0.14253	-2.26729	0.024626	0.324761
	-0.19003	-2.26524	0.024754	0.325333
NKD2	0.337953	2.266796	0.024657	0.324899
	-0.19233	-2.27195	0.024337	0.323483
	0.319272	2.271782	0.024347	0.32354
	0.230299	2.268483	0.024552	0.324443
	0.20657	2.268742	0.024536	0.324442
	0.224516	2.269512	0.024488	0.324279
	0.262079	2.271426	0.024369	0.323672
	0.172648	2.269648	0.024479	0.324243
	0.279361	2.269991	0.024458	0.324194
EVL	-0.34832	-2.27328	0.024255	0.323036
	0.142283	2.273903	0.024217	0.322837
HPCAL1	-0.27573	-2.26871	0.024538	0.324442
	-0.51016	-2.26965	0.024479	0.324243
	0.176167	2.272108	0.024327	0.323433
	0.121415	2.269536	0.024486	0.324269
ZNF571-AS1	-0.21396	-2.26706	0.024641	0.324824
	0.27165	2.265686	0.024726	0.32522
KIAA0125;AHNAK2	0.309093	2.272539	0.024301	0.323296
PSMC4;SPINT2;EID2;RPS16;PSMD8	0.148816	2.270747	0.024411	0.323905
	0.213843	2.271026	0.024394	0.323759
	-0.25684	-2.2665	0.024675	0.324962

	0.220987	2.269311	0.0245	0.324345
	-0.18964	-2.27307	0.024267	0.323093
LYSMD4	-0.21505	-2.27371	0.024229	0.322898
IL22RA1	0.259033	2.27213	0.024326	0.323425
MEF2D;PEAR1;NES;ARHGEF2;SH2D2A;FCRL5;HDGF;LRRC71;NT				
RK1;FCRL3	-0.2339	-2.27182	0.024345	0.323524
FAM151A	-0.16008	-2.27271	0.02429	0.323236
	0.31692	2.265697	0.024726	0.32522
	0.262928	2.266932	0.024648	0.324894
	-0.26005	-2.27386	0.024219	0.322842
	0.178474	2.268499	0.024551	0.324443
HES2;CAMTA1;ICMT;CHD5;THAP3;ESPN	-0.37899	-2.26908	0.024515	0.324345
	-0.17904	-2.26547	0.02474	0.325264
	0.290731	2.26811	0.024575	0.324535
	-0.29137	-2.27234	0.024313	0.323351
	-0.1616	-2.26439	0.024807	0.325614
ADSSL1;C14orf79;INF2;CDCA4	-0.25928	-2.27154	0.024362	0.323651
	0.224396	2.26975	0.024473	0.324224
	-0.22594	-2.26845	0.024554	0.324452
BATF2;FERMT3	0.206998	2.273739	0.024227	0.322892
	-0.24658	-2.26479	0.024783	0.325469
	0.27043	2.270156	0.024448	0.324121
TRERF1;C6orf132;GLTSCR1L;MED20;RPL7L1	-0.45531	-2.26928	0.024502	0.324345
	0.223234	2.269255	0.024504	0.324345
	0.217772	2.270324	0.024437	0.324054
	-0.19466	-2.2697	0.024476	0.324243
	0.196252	2.27153	0.024363	0.323651
ARHGEF10;ERICH1;CLN8;MYOM2	-0.31419	-2.2729	0.024278	0.323174
	0.239362	2.259977	0.025086	0.326775
	0.296329	2.262613	0.024919	0.326067
	-0.23856	-2.26248	0.024927	0.32615
	-0.15198	-2.27069	0.024415	0.323925
	0.216261	2.269617	0.024481	0.324247
	0.272918	2.26921	0.024507	0.324345
	0.308572	2.266293	0.024688	0.325041
	-0.18461	-2.27192	0.024339	0.323496
TBC1D10C	0.207783	2.273087	0.024267	0.323093
	0.269864	2.270948	0.024399	0.323802
	-0.23652	-2.2669	0.024651	0.324894
	0.376997	2.271612	0.024358	0.323649
	0.195914	2.271505	0.024364	0.323651
	0.152084	2.262486	0.024927	0.32615
NOP56	0.147975	2.271833	0.024344	0.323524
	0.260306	2.270133	0.024449	0.324126
DHRS3;CLCN6;MIIP;FBXO6	0.297579	2.271733	0.02435	0.32357
EXOSC4	0.175507	2.270117	0.02445	0.324126
	0.200846	2.269934	0.024462	0.324194



	0.235096	2.267334	0.024623	0.324761
	-0.17691	-2.26805	0.024579	0.324535
	-0.25868	-2.26897	0.024521	0.324367
	-0.28898	-2.26639	0.024682	0.325021
IMMP2L	0.203821	2.273005	0.024272	0.323134
	0.189952	2.266858	0.024653	0.324897
YBX1P7	0.192364	2.269012	0.024519	0.324367
	0.275315	2.272333	0.024313	0.323351
SRSF3;RPL10A;COX6A1P2	0.188022	2.269019	0.024518	0.324367
FLI1;ETS1;ARHGAP32;TP53AIP1;TMEM45B;SENCR	-0.33391	-2.27187	0.024342	0.323518
ADARB1;ICOSLG;COL18A1;LRRC3DN;SSR4P1;POFUT2	-0.37938	-2.26894	0.024523	0.324378
	-0.16458	-2.26637	0.024684	0.325021
	-0.22432	-2.26871	0.024538	0.324442
TLDC1;GINS2;WFDC1;ATP2C2	-0.40682	-2.26824	0.024567	0.324535
	0.230187	2.267469	0.024615	0.324724
ASB8	-0.17879	-2.26806	0.024578	0.324535
	0.226738	2.265238	0.024754	0.325333
	0.127708	2.270319	0.024438	0.324054
	-0.35074	-2.27031	0.024438	0.324054
THEM4;SELENBP1;BNIPL;CGN;S100A11;FAM63A;SEMA6C;HRN				
R	0.391562	2.268537	0.024548	0.324443
TTC39A	0.258275	2.267535	0.024611	0.324709
PIK3R5	-0.17826	-2.26661	0.024669	0.324928
	0.188364	2.266957	0.024647	0.324894
	-0.15628	-2.2691	0.024513	0.324345
	-0.21717	-2.27257	0.024299	0.323293
RNA5SP202	0.207664	2.268041	0.024579	0.324535
	0.257912	2.270888	0.024403	0.323822
TBX3;TBX5;TBX5-AS1	-0.23307	-2.25813	0.025203	0.327222
TMEM87B;MERTK	-0.3635	-2.26419	0.02482	0.325676
WNT9A	-0.39598	-2.27074	0.024412	0.323905
OR1F12;ENSG00000197062;PGBD1;ZKSCAN3;ZSCAN12;PRSS16	0.365928	2.268318	0.024562	0.324492
	0.296597	2.269929	0.024462	0.324194
	0.244762	2.26917	0.024509	0.324345
	-0.29492	-2.27153	0.024362	0.323651
	-0.15397	-2.26577	0.024721	0.32522
	0.119678	2.270826	0.024406	0.323854
	-0.37325	-2.27053	0.024424	0.323975
	0.193983	2.267413	0.024618	0.32475
	0.451088	2.268405	0.024557	0.324476
	-0.22978	-2.26964	0.02448	0.324243
	0.341451	2.271028	0.024394	0.323759
HSPA12B;CDC25B;MRPS26;NOP56;TGM3;SNRPB;PANK2;ADAM				
33	-0.20658	-2.26761	0.024606	0.324697
	0.268311	2.272951	0.024275	0.323165
	-0.15258	-2.27112	0.024388	0.323746

IGF2R	0.220872	2.269656	0.024479	0.324243
	0.289107	2.26856	0.024547	0.324443
	0.238448	2.266742	0.02466	0.324899
	0.293114	2.267339	0.024623	0.324761
	-0.15905	-2.26379	0.024845	0.325805
PAK4;ADCK4;ENSG00000183760;DYRK1B	0.18331	2.271471	0.024366	0.323654
	0.198023	2.267525	0.024611	0.324709
	0.332906	2.269872	0.024465	0.324194
	0.302087	2.268529	0.024549	0.324443
	-0.20527	-2.26769	0.024601	0.32466
PARD6B;PTGIS;CEBPB	0.37198	2.26989	0.024464	0.324194
	-0.41719	-2.26712	0.024636	0.324808
	0.320119	2.263863	0.024841	0.325804
	0.512091	2.268766	0.024534	0.324442
	-0.21353	-2.26625	0.024691	0.325055
MAGI1	-0.20027	-2.26322	0.024881	0.32593
	0.18309	2.270523	0.024425	0.323975
	0.269964	2.268334	0.024561	0.324492
	-0.39409	-2.26805	0.024579	0.324535
	0.104175	2.26781	0.024594	0.324654
WDR61;ADAMTS7;DNAJA4;PSMA4;CTSH;ACSBG1;IDH3A	0.316765	2.265788	0.02472	0.32522
	-0.16864	-2.26612	0.024699	0.3251
	-0.36382	-2.26688	0.024652	0.324894
	0.242057	2.268663	0.024541	0.324442
	-0.25494	-2.2693	0.024501	0.324345
ERO1LB	0.36847	2.271315	0.024376	0.323695
	0.180425	2.269949	0.024461	0.324194
	0.340604	2.267974	0.024583	0.324559
	0.144692	2.266073	0.024702	0.325102
	-0.22065	-2.2666	0.024669	0.324928
NCKAP1L BRD7	0.276511	2.271035	0.024393	0.323759
	0.290881	2.270113	0.02445	0.324126
	-0.28642	-2.27111	0.024389	0.323746
	-0.29119	-2.26909	0.024514	0.324345
	-0.26173	-2.26372	0.02485	0.325805
AKR7A2 ERG SDS;RITA1;PLBD2	0.377132	2.266772	0.024658	0.324899
	0.2638	2.269015	0.024519	0.324367
	0.193546	2.263051	0.024892	0.325939
	-0.29396	-2.272	0.024334	0.323472
	-0.22898	-2.27072	0.024413	0.323906
DSC2	0.221593	2.27111	0.024389	0.323746
	-0.15749	-2.27016	0.024448	0.324121
	0.272487	2.266748	0.02466	0.324899
	-0.22394	-2.262	0.024958	0.326259
	0.241999	2.268014	0.024581	0.324547
C5orf34	0.182456	2.267681	0.024602	0.32466
	0.265447	2.267214	0.024631	0.324761
SGIP1;LEPR;ENSG00000224570				

GIMAP7;GIMAP5;GIMAP8;GIMAP2;GIMAP6;GIMAP4	0.202086	2.272039	0.024331	0.32347
	-0.20372	-2.26707	0.02464	0.324819
	-0.16927	-2.27257	0.024299	0.323293
	-0.28401	-2.26813	0.024574	0.324535
	0.252916	2.265375	0.024746	0.325306
CD27;CLSTN3;IFFO1;C1RL-AS1;C1S;ENSG00000256967	0.197242	2.262615	0.024919	0.326067
	-0.33397	-2.27064	0.024418	0.323931
	0.230815	2.268216	0.024568	0.324535
NRXN2;PLA2G16	0.293647	2.271161	0.024386	0.323746
	-0.23767	-2.26884	0.024529	0.324424
NDUFS3;ENSG00000244313	-0.22968	-2.26911	0.024513	0.324345
	0.200545	2.268844	0.024529	0.324424
CCDC125	-0.33954	-2.26636	0.024684	0.325021
MUC5B;LRRC56;TSPAN4;IFITM1;DEAF1;IFITM3;EFCAB4A;B4GA				
LNT4;MOB2	-0.27909	-2.26301	0.024894	0.325939
RHOJ	-0.33006	-2.26569	0.024726	0.32522
	-0.26146	-2.26898	0.024521	0.324367
	0.114678	2.267742	0.024598	0.32466
ENSG00000272005	0.31259	2.268618	0.024543	0.324442
	0.290154	2.266706	0.024663	0.324906
	0.328476	2.262873	0.024903	0.325959
KIAA0355;RHPN2;WTIP;LRP3;CEP89;PDCD2L;CEBPG	-0.31223	-2.26159	0.024984	0.326358
	-0.30544	-2.26917	0.024509	0.324345
	0.233003	2.255005	0.025403	0.327608
STAT5B;ATP6VOA1;FKBP10;KRT19;KRT42P;KRT13;TMEM99;PTRF	-0.32702	-2.26084	0.025031	0.326577
	0.190026	2.267218	0.024631	0.324761
	0.236703	2.268535	0.024548	0.324443
KANK2;DOCK6;ICAM3;CNN1;AP1M2;CDKN2D;ZNF440;ZNF627;C19orf38	0.319201	2.257693	0.025231	0.327222
	0.191071	2.267205	0.024631	0.324761
	0.234844	2.262057	0.024954	0.326251
	0.239827	2.269959	0.02446	0.324194
	0.240332	2.26916	0.02451	0.324345
	0.161815	2.269332	0.024499	0.324345
ZNF57;GNG7;S1PR4;MATK;APBA3	-0.2201	-2.26691	0.02465	0.324894
	0.165481	2.269789	0.024471	0.324223
	-0.13201	-2.26292	0.0249	0.325946
C11orf21	0.475935	2.270579	0.024422	0.323975
	0.262036	2.26914	0.024511	0.324345
	0.248977	2.262172	0.024947	0.326234
	-0.30936	-2.26868	0.02454	0.324442
	0.262707	2.266452	0.024678	0.32498
	-0.29905	-2.25512	0.025396	0.327608
MISP	-0.21759	-2.26534	0.024748	0.325308
	0.230658	2.265716	0.024724	0.32522
	-0.244	-2.26474	0.024786	0.325482
CD7;C17orf62				

ENSG00000224479;PRDX3P4;SNTN;PRICKLE2;SYNPR-AS1;SYNPR;ADAMTS9-AS2;ADAMTS9;PRICKLE2-AS3FAM20C;MAD1L1;PSMG3-AS1;HEATR2;ENSG00000249852;PRKAR1B;PDGFA	-0.20297	-2.2654	0.024744	0.325297
	-0.36164	-2.26565	0.024728	0.325226
	-0.20948	-2.26434	0.024811	0.325623
	0.257255	2.269428	0.024493	0.324317
	0.27169	2.264965	0.024771	0.325443
	0.19276	2.263884	0.024839	0.325804
AKR7A2;ARHGEF10L;KLHDC7A	-0.30708	-2.26819	0.02457	0.324535
C22orf34;MAPK12;SHANK3;ENSG00000235111;ENSG00000213279;MAPK11;RABL2B	-0.32281	-2.2663	0.024688	0.325041
	0.235816	2.268477	0.024552	0.324443
	0.264287	2.268635	0.024542	0.324442
	0.327635	2.267401	0.024619	0.32475
	-0.19938	-2.26862	0.024543	0.324442
SARDH	0.303544	2.268736	0.024536	0.324442
AKAP3	0.187649	2.268137	0.024573	0.324535
	0.279519	2.266564	0.024671	0.324928
TTC25	0.178995	2.267093	0.024638	0.324813
	-0.25527	-2.26352	0.024862	0.325866
	0.243102	2.267624	0.024605	0.324697
	-0.15206	-2.26609	0.024701	0.3251
	0.209512	2.25704	0.025273	0.327322
RAMP3;AEBP1;HECW1;NACAD;SPDYE1	0.312797	2.2667	0.024663	0.324906
	0.340332	2.26908	0.024515	0.324345
	-0.44462	-2.26657	0.024671	0.324928
	0.169134	2.266892	0.024651	0.324894
HAPLN3;WDR93;CRTC3;PEX11A;CIB1;ABHD2	-0.39065	-2.26782	0.024593	0.324654
	-0.24583	-2.26478	0.024783	0.325469
	0.134627	2.267727	0.024599	0.32466
	0.316241	2.266632	0.024667	0.324922
SYNRG	-0.32112	-2.26622	0.024693	0.325074
VSIG10L	-0.2762	-2.26847	0.024552	0.324443
	-0.23916	-2.26632	0.024687	0.325041
ENSG00000272008	-0.27404	-2.26865	0.024541	0.324442
	-0.13972	-2.26924	0.024505	0.324345
	-0.2942	-2.26814	0.024573	0.324535
	-0.19535	-2.26684	0.024654	0.324899
IDI1;PRR26;ADARB2	-0.38644	-2.26422	0.024818	0.325661
	0.123567	2.267094	0.024638	0.324813
	0.132213	2.267683	0.024602	0.32466
	0.132783	2.263613	0.024856	0.325822
	0.216201	2.269155	0.02451	0.324345
UIMC1;ZNF346-IT1	-0.12929	-2.26528	0.024752	0.325333
C1QTNF2;EBF1;ENSG00000253456;ENSG00000253811;RNF145;ATP10B	0.251906	2.265935	0.024711	0.325165
	-0.15662	-2.26498	0.024771	0.325443

AFF1	-0.25643	-2.26805	0.024578	0.324535
PDGFRB;HMGXB3;SPARC;ANXA6	0.20118	2.265216	0.024756	0.325338
	0.216628	2.267145	0.024635	0.3248
	0.175044	2.264664	0.02479	0.325502
	-0.13279	-2.25983	0.025095	0.326851
ENSG00000251034	-0.17806	-2.26862	0.024543	0.324442
	-0.21093	-2.2669	0.024651	0.324894
	-0.28085	-2.26612	0.024699	0.3251
	0.277601	2.265535	0.024736	0.325244
	-0.18138	-2.26748	0.024614	0.324723
FBLN1;ENSG00000238120;ENSG00000226328;NUP50;RIBC2;P	0.227509	2.261263	0.025005	0.326453
HF21B;KIAA0930	-0.26986	-2.26609	0.024701	0.3251
PSD3;SH2D4A	0.225622	2.264286	0.024814	0.325645
	0.237661	2.260935	0.025025	0.326531
	0.247723	2.265476	0.024739	0.325264
	-0.39371	-2.26917	0.024509	0.324345
	0.248476	2.266828	0.024655	0.324899
	0.153144	2.261705	0.024977	0.326328
	0.368113	2.263483	0.024865	0.325866
	0.303758	2.268846	0.024529	0.324424
	-0.17789	-2.26401	0.024832	0.325761
WNT9A	-0.26507	-2.26587	0.024715	0.325202
	0.154912	2.266873	0.024652	0.324894
MICALCL	-0.29439	-2.26836	0.024559	0.324492
	0.326742	2.271325	0.024375	0.323695
KDEL2	0.161925	2.266169	0.024696	0.325084
TNRC6C;TMC8;ST6GALNAC2;ST6GALNAC1	-0.34022	-2.26928	0.024502	0.324345
MERTK;NPHP1	-0.29465	-2.26753	0.024611	0.324709
	-0.25211	-2.26381	0.024844	0.325805
	-0.17302	-2.26989	0.024464	0.324194
ENSG00000261404	0.189961	2.264525	0.024799	0.325557
	0.212624	2.265688	0.024726	0.32522
	0.180234	2.265793	0.02472	0.32522
	0.26909	2.267991	0.024582	0.324555
	-0.30167	-2.26492	0.024774	0.32545
	0.173102	2.262625	0.024919	0.326067
	-0.1719	-2.26897	0.024522	0.324367
	0.194338	2.266733	0.024661	0.324899
ETV5	-0.26247	-2.26726	0.024628	0.324761
	-0.3727	-2.26472	0.024787	0.325486
	-0.21923	-2.2612	0.025009	0.326453
	-0.1841	-2.26773	0.024599	0.32466
	0.198091	2.264382	0.024808	0.325614
	0.245316	2.265099	0.024763	0.325393
ENSG00000230490;ENSG00000234535;ENSG00000232986	-0.27185	-2.26373	0.024849	0.325805
	-0.2056	-2.26364	0.024854	0.325822

TSPAN32;NAP1L4;C11orf21;MRPL23	-0.37248	-2.26575	0.024722	0.32522
	-0.28184	-2.26856	0.024547	0.324443
	0.26355	2.266268	0.02469	0.325051
GLTSCR1L	0.257755	2.263023	0.024894	0.325939
WDR61;DNAJA4;PSMA4;IDH3A;ADAMTS7	-0.25721	-2.2648	0.024782	0.325469
TTC22;TMEM59	-0.18081	-2.26315	0.024886	0.32593
	0.122766	2.267484	0.024614	0.324723
PYHIN1;CD84;AIM2;SLAMF1;LY9;SLAMF6;FCRL6;CD244;CD48	-0.35465	-2.26144	0.024994	0.326416
	-0.21328	-2.26595	0.02471	0.325165
	-1.21376	-2.26733	0.024624	0.324761
HERC1;TLN2	-0.29293	-2.26512	0.024762	0.325386
	-0.23199	-2.26433	0.024811	0.325623
	0.29965	2.265548	0.024735	0.325244
	-0.14327	-2.25999	0.025085	0.326775
	0.248633	2.262823	0.024906	0.32599
	-0.23329	-2.26601	0.024706	0.325125
	-0.21282	-2.26753	0.024611	0.324709
	0.251796	2.264382	0.024808	0.325614
	-0.53705	-2.26558	0.024733	0.325244
ENSG00000255468;TBC1D10C	-0.24843	-2.26483	0.02478	0.325469
FAM155A	0.322733	2.262785	0.024909	0.326003
	-0.32103	-2.26722	0.02463	0.324761
	0.2506	2.265033	0.024767	0.325423
MDM4;PIK3C2B	0.158545	2.262901	0.024901	0.325946
SERPINB6;SLC22A23;SERPINB9;BPHL;WRNIP1;TUBB2A	0.25868	2.268757	0.024535	0.324442
	-0.22717	-2.26592	0.024711	0.325165
	0.275305	2.267224	0.02463	0.324761
PRR5	0.307257	2.263997	0.024832	0.325761
	-0.2168	-2.26647	0.024677	0.324975
ITGAL;CORO1A;ITGAX;ZNF629	0.320737	2.264909	0.024775	0.32545
	-0.28364	-2.2668	0.024657	0.324899
	0.228796	2.265251	0.024754	0.325333
TIMM10;UBE2L6	-0.24155	-2.26211	0.024951	0.326244
FENDRR	-0.22515	-2.26513	0.024761	0.325386
	0.220473	2.265325	0.024749	0.325308
	0.218709	2.266167	0.024696	0.325084
	0.257622	2.261017	0.02502	0.326531
	0.163005	2.265234	0.024755	0.325333
	-0.33432	-2.26378	0.024846	0.325805
	0.25656	2.261699	0.024977	0.326328
	0.11003	2.264022	0.024831	0.325761
	0.191591	2.261948	0.024961	0.326265
	0.216171	2.260758	0.025037	0.326598
ATP5H;UNC13D;ICT1;MRPS7;HN1	-0.18455	-2.26831	0.024562	0.324492
PLAC8;FAM175A	-0.34922	-2.26559	0.024732	0.325244
IRF8	-0.23223	-2.26211	0.024951	0.326244

KIF21B;PTPN7	-0.32351	-2.26908	0.024515	0.324345
	0.233101	2.258363	0.025188	0.327222
	0.228537	2.263249	0.024879	0.325929
C11orf49;MAPK8IP1;DDB2;CRY2;PACSIN3;MADD;ARHGAP1;HARBI1;PHF21A;ENSG00000254427	-0.32004	-2.26557	0.024733	0.325244
KIF26A;INF2;C14orf2;EIF5;EXOC3L4;ADSSL1;ENSG00000259508;ENSG00000246451	-0.40843	-2.26442	0.024806	0.325613
	-0.19272	-2.25951	0.025115	0.326932
	-0.32118	-2.26954	0.024486	0.324269
	-0.18013	-2.26465	0.024791	0.325502
	0.285673	2.263908	0.024838	0.325795
CTSB	-0.2018	-2.26546	0.02474	0.325264
	0.113023	2.266669	0.024665	0.324907
	0.283855	2.264738	0.024786	0.325482
	-0.18906	-2.26209	0.024952	0.326244
CAMTA1;HES2;GPR153	0.329108	2.266186	0.024695	0.325084
STRA13;OXLD1	-0.16962	-2.26334	0.024874	0.325891
TIMP4;HRH1	-0.27751	-2.26375	0.024848	0.325805
	-0.23666	-2.26654	0.024673	0.324942
	-0.27655	-2.26454	0.024798	0.325552
	-0.16552	-2.2678	0.024594	0.324655
	0.254286	2.266673	0.024665	0.324907
	-0.45529	-2.26317	0.024885	0.32593
NKD1;ENSG00000261685;ENSG00000260029	-0.20411	-2.26193	0.024963	0.326265
	0.163653	2.263268	0.024878	0.325923
	0.193319	2.263849	0.024842	0.325804
	-0.2185	-2.26046	0.025055	0.326712
P4HA2	0.198773	2.267703	0.0246	0.32466
	0.159775	2.263701	0.024851	0.325806
	0.137754	2.268047	0.024579	0.324535
	0.19885	2.260578	0.025048	0.326685
	-0.34027	-2.25661	0.0253	0.327445
	-0.26888	-2.2581	0.025205	0.327222
MUC4;MUC20;LRRC15;FAM43A;TNK2;GP5	-0.32897	-2.26328	0.024877	0.325921
	-0.2096	-2.26306	0.024891	0.325939
CDC25B;SIGLEC1	0.248496	2.264791	0.024782	0.325469
	0.208321	2.260724	0.025039	0.326615
SGSM3;L3MBTL2	0.189089	2.261449	0.024993	0.326416
ENSG00000178404;DNAH17;CBX2;C1QTNF1;SGSH;EIF4A3;SLC26A11	-0.2736	-2.2648	0.024782	0.325469
	0.190023	2.264337	0.024811	0.325623
NDUFS6	0.252708	2.266575	0.024671	0.324928
	-0.18324	-2.26721	0.024631	0.324761
	0.228269	2.262689	0.024915	0.326061
	0.310781	2.264281	0.024814	0.325645
	-0.16376	-2.26157	0.024985	0.326364
ARHGEF10	-0.20219	-2.26602	0.024705	0.325125

TECPR2 C6orf10;SLC44A4;ENSG00000225914;NOTCH4 MAF	-0.24623	-2.26611	0.0247	0.3251
	-0.40329	-2.26323	0.02488	0.32593
	-0.35543	-2.25942	0.025122	0.326948
	0.251551	2.261977	0.024959	0.326259
	0.319208	2.264956	0.024772	0.325443
	-0.1196	-2.26393	0.024836	0.325786
	0.253593	2.265155	0.02476	0.325377
	0.188573	2.264565	0.024797	0.325544
	0.255796	2.264695	0.024788	0.325486
	-0.17391	-2.25793	0.025216	0.327222
	0.149202	2.261247	0.025006	0.326453
	-0.35117	-2.26574	0.024723	0.32522
SLC16A1- AS1;LRIG2;OLFML3;HIPK1;PHTF1;DENND2C;ENSG00000235527 ;SLC16A1;AMPD1;MAGI3;BCAS2;NRAS	-0.42265	-2.263	0.024895	0.325939
	0.265265	2.26338	0.024871	0.325884
	-0.19973	-2.26291	0.0249	0.325946
	-0.18654	-2.26093	0.025025	0.326531
	0.399476	2.266354	0.024684	0.325021
	0.192999	2.26001	0.025084	0.326775
	0.207588	2.261419	0.024995	0.32642
	-0.24928	-2.26423	0.024818	0.32566
	-0.21269	-2.263	0.024895	0.325939
	-0.34031	-2.26386	0.024841	0.325804
	-0.2466	-2.26666	0.024665	0.324907
	-0.2641	-2.26573	0.024724	0.32522
	-0.14383	-2.26004	0.025082	0.326775
	-0.29145	-2.26585	0.024716	0.325203
	0.294381	2.264115	0.024825	0.325715
BMP7 NIF3L1;KCTD18;SPATS2L;NDUFB3;SGOL2;AOX1	-0.37271	-2.26348	0.024865	0.325866
	0.218115	2.256012	0.025338	0.3275
	0.232519	2.264495	0.024801	0.325572
	0.377123	2.265327	0.024749	0.325308
	-0.2241	-2.26215	0.024949	0.326239
	-0.25389	-2.26674	0.02466	0.324899
	-0.18218	-2.25174	0.025613	0.328635
	0.343691	2.262441	0.02493	0.326176
	0.239178	2.26553	0.024736	0.325244
	-0.36965	-2.2616	0.024983	0.326358
	0.202834	2.265422	0.024743	0.325288
	-0.18376	-2.26028	0.025067	0.326748
	-0.24178	-2.2605	0.025053	0.326701
	0.270569	2.263609	0.024857	0.325822
	-0.28831	-2.26564	0.024729	0.325228
FAM227A;CBY1 ENSG00000198580	0.302142	2.261358	0.024999	0.326444
	-0.24308	-2.26403	0.02483	0.325761
	0.148509	2.260014	0.025084	0.326775



ENSG00000232811	0.203529	2.264931	0.024774	0.32545
	0.233193	2.263376	0.024871	0.325884
RLTPR;CDH5;ESRP2;FAM65A;CMTM4;DPEP2;CMTM3;CES2;ZDH HC1;FAM96B;TRADD;ENKD1	-0.23986	-2.25899	0.025149	0.32701
	0.195574	2.263138	0.024886	0.32593
	-0.18688	-2.26208	0.024953	0.326244
	-0.17187	-2.26314	0.024886	0.32593
	0.178615	2.260223	0.02507	0.32676
	-0.19856	-2.26293	0.024899	0.325946
	0.166951	2.264801	0.024782	0.325469
	-0.29754	-2.26413	0.024824	0.325715
	-0.31979	-2.26307	0.024891	0.325939
	0.217253	2.264954	0.024772	0.325443
KPNB1	-0.19298	-2.26379	0.024846	0.325805
	-0.39637	-2.26042	0.025058	0.32672
NT5M GALNT6;KRT7	0.191955	2.262198	0.024946	0.326234
	-0.32852	-2.26009	0.025079	0.326775
PINLYP;XRCC1	0.231663	2.257727	0.025229	0.327222
	-0.37215	-2.26363	0.024855	0.325822
FGR;PTAFR;WDTC1;TRNAU1AP;THEMIS2	-0.24706	-2.26552	0.024736	0.325244
	0.325514	2.262638	0.024918	0.326067
	-0.22701	-2.26109	0.025016	0.326504
	0.22114	2.258741	0.025164	0.327106
	-0.1507	-2.26503	0.024768	0.325423
	-0.2525	-2.26427	0.024815	0.325645
	-0.16124	-2.26177	0.024972	0.326328
	-0.17035	-2.26076	0.025037	0.326598
	-0.26641	-2.26216	0.024948	0.326234
	-0.26571	-2.26566	0.024728	0.325226
ENSG00000267121	0.231008	2.263967	0.024834	0.325767
	-0.34263	-2.26013	0.025076	0.326775
	0.187777	2.257824	0.025223	0.327222
	-0.21241	-2.2629	0.024901	0.325946
MFGE8;ABHD2;ACAN;CIB1;KIF7;HAPLN3;WDR93;PEX11A PRDM16;DFFB;LINC00982	0.285772	2.262962	0.024897	0.325946
	-0.29856	-2.25464	0.025426	0.327709
	0.311362	2.261738	0.024975	0.326328
	0.160215	2.261524	0.024988	0.326383
	-0.17253	-2.26263	0.024918	0.326067
	0.231903	2.263401	0.02487	0.325884
	0.180295	2.260804	0.025034	0.326589
	0.120397	2.265576	0.024733	0.325244
	-0.4329	-2.26535	0.024748	0.325308
	-0.47561	-2.2635	0.024863	0.325866
MYO3A	0.121914	2.264575	0.024796	0.325544
	0.232078	2.259482	0.025117	0.326934
	0.10264	2.259521	0.025115	0.326932

CCR4	-0.37066	-2.26374	0.024848	0.325805
	-0.28245	-2.26122	0.025007	0.326453
	-0.15847	-2.26054	0.02505	0.326686
	0.226791	2.257567	0.025239	0.327222
	0.213631	2.26236	0.024935	0.326218
	0.114924	2.262366	0.024935	0.326218
SCAND3;HLA-F;TRIM27;TRIM39	0.275657	2.261981	0.024959	0.326259
	0.11889	2.256396	0.025314	0.3275
	0.258418	2.26227	0.024941	0.326234
	-0.27852	-2.2648	0.024782	0.325469
	0.243109	2.259127	0.02514	0.327004
	0.235999	2.257591	0.025238	0.327222
	0.186611	2.260393	0.02506	0.326722
HCP5;GPSM3;LTB;TAPSAR1;HSPA1B;HSPA1A;TAP2;TAP1;HLA-DMA;CLIC1;LST1;PSMB9 FUOM;ECHS1 ENSG00000224187 GLIS2 HES6	-0.28355	-2.26003	0.025083	0.326775
	-0.20564	-2.2601	0.025078	0.326775
	0.214098	2.259794	0.025098	0.326851
	-0.31487	-2.25997	0.025086	0.326775
	0.258161	2.25893	0.025152	0.327011
	0.320769	2.263149	0.024886	0.32593
KCNA3;CD53;ENSG00000259834	0.410497	2.266008	0.024706	0.325125
	0.159356	2.260306	0.025065	0.326748
TAP2	0.226987	2.260985	0.025022	0.326531
	-0.36533	-2.26373	0.024849	0.325805
KRT23;RAMP2- AS1;TUBG2;BECN1;CNTNAP1;EZH1;HAP1;FKBP10	0.197142	2.261996	0.024958	0.326259
	0.229453	2.262784	0.024909	0.326003
	0.129524	2.263616	0.024856	0.325822
	0.178401	2.258199	0.025199	0.327222
TPCN2;MRGPRF;IGHMBP2;PPP6R3;MTL5;LRP5;ENSG00000261625 CAPN2;ENSG00000225265	-0.40263	-2.25917	0.025137	0.326987
	-0.25431	-2.26191	0.024964	0.326265
	0.197179	2.259951	0.025088	0.326779
HRH1	-0.25378	-2.26355	0.02486	0.32586
KIAA0922;TRIM2;TMEM154	-0.33	-2.26401	0.024832	0.325761
	0.277749	2.264574	0.024796	0.325544
RNF213;CCDC40	0.283691	2.264894	0.024776	0.325453
PPP1R18;DDR1;SLC44A4;VAR52	-0.20174	-2.26006	0.025081	0.326775
	0.286927	2.26204	0.024956	0.326251
ENSG00000264058	0.202719	2.263714	0.02485	0.325805
MRPS23	0.159018	2.25685	0.025285	0.32736
	-0.19729	-2.25801	0.025211	0.327222
	-0.22928	-2.26145	0.024993	0.326416
	-0.13756	-2.25667	0.025296	0.327423
	0.357834	2.263118	0.024888	0.325934
TMEM116;TCTN1;IFT81;SH2B3;ATP2A2	0.413646	2.262925	0.0249	0.325946
	0.177519	2.263968	0.024834	0.325767

	0.180645	2.260085	0.025079	0.326775
	0.194118	2.260957	0.025024	0.326531
	-0.3086	-2.25755	0.02524	0.327222
	0.169382	2.263331	0.024874	0.325891
PCBD2	0.268081	2.26311	0.024888	0.325934
	0.227347	2.264467	0.024803	0.325584
	0.193441	2.263443	0.024867	0.325879
	-0.19281	-2.25753	0.025241	0.327222
CARD8;PLA2G4C;PRRG2;FUT2;HRC;RASIP1;EHD2;TEAD2	-0.23835	-2.25887	0.025157	0.327038
ZNF418;ZIK1;ZNF772;ZNF671;ZNF154;ZNF549;ZNF211	0.257019	2.262035	0.024956	0.326251
MISP	0.219411	2.262755	0.02491	0.326017
	0.318373	2.262168	0.024947	0.326234
	0.238605	2.263616	0.024856	0.325822
GPR132;CDCA4;AHNAK2;KIAA0125;C14orf79;JAG2	-0.2677	-2.26228	0.02494	0.326234
	-0.21267	-2.2583	0.025193	0.327222
	-0.18126	-2.25751	0.025243	0.327222
	-0.23368	-2.2622	0.024945	0.326234
IGF2;TSSC2;NAP1L4;CARS	0.228612	2.254634	0.025427	0.327709
	-0.5125	-2.26221	0.024945	0.326234
	0.248883	2.254075	0.025463	0.327835
ZNF423;ADCY7;NKD1	0.297028	2.257601	0.025237	0.327222
RASA1	-0.19527	-2.26232	0.024938	0.326222
NBEA	0.374727	2.262609	0.02492	0.326067
GNG7;GNA15;ZNF57;AES;ABHD17A	-0.22201	-2.26218	0.024947	0.326234
ATP6V1G1	-0.18751	-2.26349	0.024864	0.325866
	0.259425	2.260686	0.025041	0.326633
	-0.17049	-2.26119	0.025009	0.326453
CD96	-0.34057	-2.26055	0.02505	0.326686
	0.237937	2.262215	0.024944	0.326234
ANKRD32;CAST	-0.33283	-2.25743	0.025248	0.327222
	0.215614	2.260952	0.025024	0.326531
EGFL7;PTGDS	-0.32487	-2.26223	0.024943	0.326234
PTPRN2	0.222986	2.258126	0.025204	0.327222
DOPEY2	0.222436	2.260249	0.025069	0.326748
C4orf36;MAPK10	-0.30206	-2.24938	0.025766	0.329201
RSPH10B;RSPH10B2	0.223727	2.263411	0.024869	0.325884
	0.17822	2.259408	0.025122	0.326948
	0.104457	2.260967	0.025023	0.326531
	0.221914	2.261743	0.024974	0.326328
BOK;PDCD1	-0.24784	-2.25872	0.025166	0.327106
	0.202311	2.263333	0.024874	0.325891
DNAJB6	-0.30001	-2.25905	0.025145	0.32701
TOMM40	0.259077	2.257171	0.025264	0.327302
ARHGAP25;AAK1;ANXA4	-0.35065	-2.26026	0.025068	0.326748
	0.37947	2.258672	0.025169	0.32712
EXOG;ACVR2B;DLEC1	-0.35302	-2.2579	0.025218	0.327222
	0.197825	2.261626	0.024982	0.326358

	-0.2627	-2.25492	0.025409	0.327651
	-0.34393	-2.26107	0.025017	0.32651
	0.178087	2.255216	0.025389	0.327608
SLC22A3;RSPH3;FNDC1;PNLDC1;MRPL18;C6orf99;TCP1;ACAT2; ENSG00000213076	-0.29936	-2.25509	0.025398	0.327608
	0.278208	2.260419	0.025058	0.32672
	0.283123	2.256984	0.025276	0.327339
DHX32;UROS;CTBP2;BCCIP;OAT GALNS;TRAPPC2L	-0.35895	-2.25793	0.025216	0.327222
	0.259705	2.263731	0.024849	0.325805
	0.245845	2.2598	0.025097	0.326851
SRPR;FOXRED1 KMT2E	-0.21036	-2.25557	0.025367	0.32755
	-0.38853	-2.25942	0.025121	0.326948
	0.179877	2.256136	0.025331	0.3275
	0.100955	2.259947	0.025088	0.326779
	0.407496	2.262295	0.024939	0.326234
HM13 CNTD1;DNAJC7 C11orf21;LSP1;C11orf89;TSPAN32	-0.18416	-2.26083	0.025032	0.326577
	0.285209	2.261725	0.024975	0.326328
	0.230226	2.25938	0.025124	0.326948
	0.166214	2.257464	0.025246	0.327222
	0.226269	2.253948	0.025471	0.327839
ITPR2	-0.3121	-2.25769	0.025232	0.327222
	-0.29047	-2.26299	0.024895	0.325939
	0.246547	2.262341	0.024936	0.326218
	0.246597	2.262086	0.024953	0.326244
KCNQ4;RIMS3;SCMH1;MFSD2A;HIVEP3	-0.36452	-2.25854	0.025177	0.327177
	0.202719	2.257983	0.025213	0.327222
	-0.28511	-2.25977	0.025099	0.326851
	-0.22677	-2.25939	0.025123	0.326948
FNDC5;MTMR9LP;DCDC2B;SYNC;CSMD2;ZBTB8A;TMEM39B	-0.35275	-2.25871	0.025167	0.327106
	0.12267	2.260134	0.025076	0.326775
	-0.28684	-2.25598	0.02534	0.3275
	0.180491	2.26161	0.024983	0.326358
CENPV	0.275859	2.251481	0.02563	0.328709
NXPH3;SGCA;COL1A1;CACNA1G;LRRC59;MYCBPAP;SLC35B1	0.335731	2.25646	0.02531	0.3275
	-0.15866	-2.2576	0.025237	0.327222
	0.280928	2.256482	0.025308	0.3275
	-0.22285	-2.25949	0.025117	0.326934
SHE;ATP8B2;NPR1;TDRD10;GATAD2B;SLC27A3;INTS3;CREB3L4	-0.40277	-2.25659	0.025301	0.327452
	-0.18555	-2.25358	0.025494	0.327952
	-0.18109	-2.25903	0.025146	0.32701
RPS3AP32	-0.22852	-2.25927	0.025131	0.326981
GSTO1;ENSG00000237827;SFR1	0.165297	2.258116	0.025204	0.327222
NUGGC;PTK2B	-0.21461	-2.25634	0.025318	0.3275
	-0.23516	-2.2581	0.025205	0.327222

	0.279726	2.259076	0.025143	0.32701
	-0.28455	-2.25767	0.025233	0.327222
	-0.3315	-2.25926	0.025131	0.326981
	0.271695	2.26129	0.025003	0.326453
GBAS;LANCL2;CCT6A;CHCHD2;PSPH;SUMF2;SEC61G	-0.31463	-2.25829	0.025193	0.327222
	0.340726	2.253146	0.025522	0.328108
	0.310836	2.246731	0.025938	0.329803
UQCR10;NF2	-0.24309	-2.25734	0.025254	0.327259
	-0.19314	-2.26119	0.025009	0.326453
	0.176771	2.258425	0.025185	0.327222
MSI2;DGKE;MKS1;SEPT4;EPX;ENSG00000263499	-0.30169	-2.25612	0.025331	0.3275
	-0.21277	-2.25911	0.025141	0.327004
	0.265075	2.26176	0.024973	0.326328
ARHGEF15;BCL6B	0.248341	2.254409	0.025441	0.327745
GPR133	0.303453	2.258988	0.025149	0.32701
	-0.17005	-2.25966	0.025106	0.326916
VANGL1;ATP1A1	-0.32044	-2.26109	0.025016	0.326504
IL16;ABHD17C	-0.31504	-2.26031	0.025065	0.326748
	-0.16756	-2.25942	0.025121	0.326948
PTPRB;TSPAN8	0.283592	2.258756	0.025163	0.327105
	0.190643	2.256929	0.02528	0.327344
	0.234216	2.257892	0.025218	0.327222
	0.143553	2.251684	0.025617	0.328657
	0.186521	2.261294	0.025003	0.326453
	0.175245	2.255577	0.025366	0.32755
	-0.25819	-2.25838	0.025187	0.327222
	0.213361	2.259769	0.025099	0.326851
SPHK1;MRPS7;ICT1;ST6GALNAC1;SMIM5;UNC13D;SLC9A3R1;S				
T6GALNAC2;SLC16A5;FDXR;CASKIN2;SMIM6;RNF157-				
AS1;TRIM65;GALK1	-0.22504	-2.25608	0.025334	0.3275
	0.1588	2.256376	0.025315	0.3275
UNC93B1;GSTP1;TBC1D10C;ALDH3B2;CTSF;FAM86C2P;ALDH3				
B1;PITPNM1;ENSG00000255306;CDK2AP2;AIP	-0.41138	-2.25864	0.025171	0.327121
	-0.25557	-2.251	0.025661	0.328775
	-0.17003	-2.26136	0.024999	0.326444
	0.206407	2.260048	0.025081	0.326775
	-0.20827	-2.26115	0.025011	0.326469
	0.338515	2.263142	0.024886	0.32593
	0.194398	2.261475	0.024991	0.326414
	0.177428	2.257492	0.025244	0.327222
LINC-				
PINT;ENSG00000271204;ENSG00000273319;ENSG000002335				
59;TMEM209;MIR29B1	0.246427	2.259589	0.025111	0.326932
SRFBP1	0.21344	2.256123	0.025331	0.3275
	-0.25467	-2.26016	0.025074	0.326775
AES;GNA11	0.271842	2.263085	0.02489	0.325939
INTS5;FADS3;RAB3IL1;SYT7;SCGB1A1	-0.31795	-2.25739	0.02525	0.327227

SNORD17;OVOL2	-0.39344	-2.26125	0.025005	0.326453
	-0.21351	-2.25717	0.025264	0.327302
	-0.23095	-2.25888	0.025156	0.327038
	0.271091	2.25675	0.025291	0.327383
VIMP	0.286943	2.255975	0.025341	0.3275
	0.262676	2.257874	0.02522	0.327222
	0.237479	2.256888	0.025283	0.327354
	0.290198	2.26083	0.025032	0.326577
KIAA1755;SNORA71C;RPRD1B;TGM2;RALGAPB NPEPPS;HOXB3;HOXB6 BECN1	-0.21607	-2.25952	0.025115	0.326932
	-0.21785	-2.25873	0.025165	0.327106
	0.179904	2.257473	0.025245	0.327222
	0.158567	2.257733	0.025229	0.327222
	0.170178	2.25906	0.025144	0.32701
	-0.26714	-2.25463	0.025427	0.327709
	0.237744	2.254506	0.025435	0.32773
	0.270998	2.256777	0.02529	0.327377
	-0.16052	-2.25617	0.025329	0.3275
	0.151489	2.260003	0.025084	0.326775
TM4SF18;ENSG00000224831;CP;ENSG00000240137;PFN2;W WTR1;ANKUB1;ENSG00000268175;SERP1;ENSG00000242791; TSC22D2	0.243417	2.254002	0.025467	0.327839
	0.33234	2.261944	0.024962	0.326265
	0.376028	2.260163	0.025074	0.326775
	0.279707	2.261305	0.025002	0.326453
	0.354494	2.261721	0.024976	0.326328
	0.273523	2.256324	0.025319	0.3275
KANSL1-AS1;ARL17A;KANSL1;LRRC37A;ENSG00000263503	0.125853	2.248959	0.025793	0.329212
	-0.32448	-2.26092	0.025027	0.326536
	-0.25949	-2.25532	0.025382	0.327608
	0.223526	2.260576	0.025048	0.326685
	0.288185	2.256014	0.025338	0.3275
	-0.21792	-2.25784	0.025222	0.327222
HMHA1;MOB3A;ZNF57 GPATCH8;RPL27;IFI35;GRN;SLC25A39;BECN1	0.217781	2.26133	0.025	0.326453
	-0.1382	-2.25897	0.02515	0.32701
	0.282289	2.257722	0.025229	0.327222
	0.438592	2.263468	0.024866	0.325868
	0.234957	2.255093	0.025397	0.327608
	0.272139	2.259237	0.025133	0.326981
	0.219892	2.261536	0.024987	0.326383
	-0.19971	-2.25819	0.025199	0.327222
	0.317702	2.26191	0.024964	0.326265
	0.239797	2.256952	0.025278	0.327339
ARHGEF28	0.25608	2.261648	0.02498	0.326358
	0.334342	2.257452	0.025246	0.327222
	-0.31668	-2.26186	0.024967	0.326299
SEC14L3;PATZ1 LACE1	0.334761	2.259235	0.025133	0.326981

	0.188556	2.256038	0.025337	0.3275
EGFL7;GPSM1;NPDC1;UAP1L1;LCNL1;FAM69B;PTGDS;SETP5;P NPLA7	-0.18713	-2.25795	0.025215	0.327222
KIAA0125;IGHV3-7;ENSG00000257270	0.143561	2.25141	0.025634	0.328709
	0.220371	2.258519	0.025179	0.327182
TTC9;MAP3K9	0.204257	2.259387	0.025123	0.326948
RALGAPA1;SNX6;RNU1-27P	0.387658	2.260935	0.025025	0.326531
ADPRHL1;ATP11A;TUBGCP3;DCUN1D2;TMCO3	-0.32931	-2.25763	0.025235	0.327222
	0.246431	2.258618	0.025172	0.327121
ENSG00000253773	-0.27161	-2.25587	0.025347	0.327515
	0.320854	2.259232	0.025133	0.326981
DYNC1I1	-0.24627	-2.25906	0.025144	0.32701
	0.18373	2.25885	0.025158	0.327038
	-0.22291	-2.26052	0.025052	0.326696
	-0.27672	-2.25376	0.025483	0.327888
	0.28244	2.255964	0.025342	0.3275
	-0.30647	-2.26017	0.025073	0.326775
	-0.21438	-2.26057	0.025048	0.326685
	-0.24987	-2.25468	0.025424	0.327709
C22orf34;ENSG00000235111;MAPK12	-0.31181	-2.25951	0.025116	0.326932
	0.211362	2.260367	0.025061	0.326722
PRR5	0.188791	2.252485	0.025565	0.328369
	0.330082	2.255512	0.02537	0.32755
	-0.2897	-2.26068	0.025042	0.326633
LY75	-0.18413	-2.25394	0.025471	0.327839
	-0.26478	-2.26121	0.025008	0.326453
	0.239995	2.260378	0.025061	0.326722
SRSF9;DYNLL1;TRIAP1;COX6A1;MLEC	0.231355	2.252252	0.02558	0.328473
SRGAP3	0.34206	2.259198	0.025135	0.326987
	-0.2456	-2.26106	0.025018	0.32651
	0.168087	2.258335	0.02519	0.327222
	-0.30595	-2.25783	0.025223	0.327222
	-0.17238	-2.25805	0.025208	0.327222
	0.155036	2.25894	0.025152	0.327011
	-0.27838	-2.2571	0.025269	0.327302
PSMG3;HEATR2;SUN1;FAM20C;ENSG00000249852;PRKAR1B;G PR146;MAD1L1	-0.25328	-2.2575	0.025244	0.327222
DLL4;SPINT1;GPR176	-0.23085	-2.26078	0.025035	0.326598
	0.267443	2.259513	0.025115	0.326932
	0.34141	2.259364	0.025125	0.326951
	0.401901	2.258968	0.02515	0.32701
VWA1;SKI;MXRA8	-0.2626	-2.26046	0.025055	0.326712
	0.270939	2.259005	0.025148	0.32701
	-0.23385	-2.25687	0.025283	0.327354
	0.168083	2.257865	0.02522	0.327222
	0.282302	2.256631	0.025299	0.327441
	-0.20341	-2.25954	0.025113	0.326932

	-0.40152	-2.25957	0.025112	0.326932
	0.279021	2.259534	0.025114	0.326932
	-0.27624	-2.2581	0.025205	0.327222
	0.35016	2.257795	0.025225	0.327222
	0.163935	2.251305	0.025641	0.328734
	0.156141	2.255765	0.025354	0.32755
	-0.24982	-2.25836	0.025189	0.327222
BOK;ING5	0.162145	2.256059	0.025335	0.3275
	0.237905	2.260277	0.025067	0.326748
	-0.18613	-2.25571	0.025358	0.32755
EXOSC4	-0.26819	-2.25613	0.025331	0.3275
	-0.24693	-2.25728	0.025257	0.327268
	0.19844	2.258617	0.025172	0.327121
PDCD6;SLC9A3;ENSG00000188242;TPPP;ENSG00000225138;L PCAT1;TRIP13;SDHA	-0.52378	-2.25474	0.02542	0.327709
	-0.25638	-2.25615	0.02533	0.3275
	-0.81296	-2.26057	0.025049	0.326685
F10	0.180428	2.250994	0.025661	0.328775
	0.221579	2.259109	0.025141	0.327004
	0.138327	2.257331	0.025254	0.327259
IGLC3	-0.24773	-2.25972	0.025102	0.326879
SH2D2A	-0.19096	-2.26162	0.024982	0.326358
PLEKHG2;DYRK1B;AXL;ADCK4;LTBP4;CYP2B7P;ENSG000002693 53;CYP2F1;EID2;PRX	-0.25346	-2.25828	0.025194	0.327222
	0.161009	2.257187	0.025263	0.327302
	0.255806	2.256147	0.02533	0.3275
	-0.2776	-2.25518	0.025392	0.327608
	-0.28663	-2.25928	0.02513	0.326981
	0.118202	2.252195	0.025584	0.328494
	-0.20829	-2.24918	0.025779	0.329212
ENSG00000266947;CCL2	0.200004	2.25323	0.025517	0.328108
	0.115281	2.257885	0.025219	0.327222
	-0.29352	-2.25732	0.025255	0.32726
	-0.26907	-2.26135	0.024999	0.326444
NUP210;HDAC11	0.223464	2.258666	0.025169	0.32712
LIMS2;GPR17;MYO7B	-0.27722	-2.25727	0.025258	0.327268
	0.226599	2.260253	0.025069	0.326748
	0.204842	2.255109	0.025396	0.327608
	-0.15322	-2.25189	0.025603	0.328577
	-0.25607	-2.25371	0.025486	0.327896
DNAJC16;FHAD1;ENSG00000228140;FBLIM1;RSG1;CROCC;HSP B7;NECAP2;DDI2	-0.16249	-2.25572	0.025357	0.32755
NNMT;TTC12;ZW10;ANKK1	-0.29857	-2.25602	0.025338	0.3275
	0.313339	2.257476	0.025245	0.327222
MRPL23;C11orf21	-0.26521	-2.2559	0.025346	0.3275
	0.167476	2.252846	0.025542	0.328256
	-0.29009	-2.2582	0.025199	0.327222



SORBS3	0.308941	2.260419	0.025058	0.32672
	0.204474	2.254563	0.025431	0.327716
	-0.23808	-2.25563	0.025363	0.32755
SRSF9;RNU4-1;ENSG00000272849 PTP4A3;BAI1;LY6D	0.29613	2.258635	0.025171	0.327121
	-0.27377	-2.25508	0.025398	0.327608
	-0.28239	-2.25621	0.025326	0.3275
	-0.3153	-2.26036	0.025061	0.326722
	0.22716	2.257625	0.025235	0.327222
	-0.31424	-2.25226	0.025579	0.328472
GFPT1;CNRIP1;C1D;NFU1;ANTXR1;ANXA4 PIK3CD	0.29359	2.257871	0.02522	0.327222
	0.143482	2.253198	0.025519	0.328108
	0.266526	2.256869	0.025284	0.327354
ENSG00000261226;PIEZO1;RNF166;CBFA2T3	0.209916	2.259556	0.025113	0.326932
	-0.21303	-2.25976	0.0251	0.326851
	0.154498	2.255629	0.025363	0.32755
ASB1;ENSG00000232306	-0.21026	-2.25503	0.025401	0.327608
	0.289695	2.257811	0.025224	0.327222
	0.170884	2.254153	0.025458	0.327808
IL10RA;CD3G;CD3E;AMICA1;CBL;CD3D	0.196572	2.253241	0.025516	0.328108
	0.365849	2.261215	0.025008	0.326453
	0.167751	2.257685	0.025232	0.327222
PFDN5;ATF7;MAP3K12;ATP5G2;MFSD5;PRR13	-0.19095	-2.25129	0.025642	0.328734
	0.20722	2.259211	0.025135	0.326987
	-0.3406	-2.25748	0.025244	0.327222
	0.226978	2.257166	0.025265	0.327302
	-0.27571	-2.25594	0.025343	0.3275
	-0.3108	-2.25612	0.025331	0.3275
PCDHGA4 GPR26	0.250039	2.253624	0.025492	0.32794
	0.137758	2.257151	0.025266	0.327302
	0.260705	2.259307	0.025128	0.326981
	0.331298	2.257922	0.025217	0.327222
	0.25207	2.259784	0.025098	0.326851
	-0.23104	-2.25505	0.0254	0.327608
	0.192146	2.256343	0.025317	0.3275
	0.26146	2.259902	0.025091	0.326806
	-0.2945	-2.2567	0.025295	0.327415
	-0.24632	-2.25484	0.025414	0.327671
	0.221017	2.256769	0.02529	0.327377
	-0.51683	-2.26002	0.025083	0.326775
NEK5	0.170591	2.257992	0.025212	0.327222
	0.238328	2.258146	0.025202	0.327222
	0.198179	2.254061	0.025463	0.327835
	-0.2059	-2.25576	0.025355	0.32755
	0.265478	2.255593	0.025365	0.32755
	-0.28096	-2.25335	0.025509	0.32806
PDLIM4;SLC22A5;KIF3A;P4HA2;SLC22A4;ENSG00000230612;S OWAHA;ENSG00000233006	-0.21308	-2.25458	0.02543	0.327709

PRADC1;SPR;BOLA3;CCT7;MOGS;TPRKB	-0.30804	-2.25895	0.025151	0.327011
	0.1692	2.257759	0.025227	0.327222
FOXA1;CLEC14A;SSTR1;SLC25A21;MIPOL1;ENSG00000259087; PAX9	-0.25814	-2.25695	0.025279	0.327339
	-0.28795	-2.25653	0.025305	0.327495
	-0.14746	-2.25928	0.02513	0.326981
	-0.17203	-2.25562	0.025363	0.32755
	-0.31426	-2.25512	0.025396	0.327608
	-0.18278	-2.2583	0.025192	0.327222
INPP5D;SCARNA6;SCARNA5	0.25301	2.257413	0.025249	0.327222
LYZ	-0.36585	-2.25352	0.025498	0.327966
VAR5;PSMB8;CLIC1;ENSG00000225914;ATF6B	0.211607	2.256263	0.025322	0.3275
	0.31692	2.2577	0.025231	0.327222
	-0.29059	-2.25537	0.02538	0.327608
ARHGAP26	0.379477	2.257638	0.025235	0.327222
	0.183821	2.259639	0.025107	0.326923
	0.221556	2.252029	0.025594	0.328559
	0.182779	2.258094	0.025206	0.327222
MRVI1;CTR9;ZBED5;ENSG00000254865	-0.34204	-2.25493	0.025408	0.32765
	-0.17039	-2.2543	0.025448	0.327786
	-0.34553	-2.25751	0.025243	0.327222
	-0.13329	-2.2547	0.025422	0.327709
	0.234649	2.257447	0.025247	0.327222
	0.162854	2.256298	0.02532	0.3275
	-0.32202	-2.25829	0.025193	0.327222
HLA-DPA1	0.598899	2.255942	0.025343	0.3275
	0.302931	2.255952	0.025342	0.3275
	-0.28656	-2.25523	0.025389	0.327608
	0.223598	2.253546	0.025497	0.327954
	-0.20957	-2.25698	0.025277	0.327339
	-0.32145	-2.25678	0.025289	0.327377
ZNF527;SPINT2;ZNF540	-0.20725	-2.25113	0.025652	0.328743
	-0.24464	-2.25208	0.025591	0.328534
AP4B1-AS1	0.183583	2.250187	0.025713	0.328938
	-0.13071	-2.25392	0.025472	0.327842
	-0.1783	-2.25357	0.025495	0.327952
	-0.16084	-2.25122	0.025647	0.328734
	0.15461	2.258998	0.025148	0.32701
	0.23079	2.256303	0.02532	0.3275
	-0.32575	-2.25375	0.025483	0.327888
	0.248033	2.254336	0.025446	0.327771
	-0.23483	-2.25691	0.025281	0.327352
JAK3;FCHO1;IL12RB1;BST2;LRRC25;ENSG00000269640	-0.27199	-2.25712	0.025268	0.327302
	0.291958	2.255294	0.025384	0.327608
	0.228635	2.253762	0.025483	0.327888
FGD5;SH3BP5;ZFYVE20;TPRXL;FBLN2	-0.26327	-2.25615	0.02533	0.3275
	0.173526	2.259164	0.025138	0.326987

PHLPP1;VPS4B	-0.31774	-2.25918	0.025136	0.326987
	-0.40413	-2.25523	0.025389	0.327608
	-0.19134	-2.25727	0.025258	0.327268
	-0.22858	-2.2564	0.025314	0.3275
	-0.25586	-2.25629	0.02532	0.3275
	-0.24446	-2.25699	0.025276	0.327339
	-0.17682	-2.25459	0.02543	0.327709
HLA-F	-0.52621	-2.25835	0.025189	0.327222
	0.253353	2.256248	0.025323	0.3275
	-0.26607	-2.2505	0.025693	0.328924
	0.253204	2.257553	0.02524	0.327222
	0.165836	2.257932	0.025216	0.327222
	-0.20807	-2.25813	0.025203	0.327222
	-0.35097	-2.2542	0.025455	0.327808
ENSG00000239521	0.120719	2.255298	0.025384	0.327608
	-0.39614	-2.25154	0.025626	0.328708
	0.172852	2.255504	0.025371	0.32755
	0.219973	2.258388	0.025187	0.327222
	0.121919	2.255043	0.025401	0.327608
	0.207086	2.256666	0.025297	0.327423
	0.190315	2.256105	0.025333	0.3275
MRPS15	-0.27224	-2.25714	0.025266	0.327302
	-0.18442	-2.25358	0.025495	0.327952
	0.303088	2.2552	0.02539	0.327608
DBI	0.269669	2.257495	0.025244	0.327222
TBC1D10C;CLCF1;PTPRCAP;ADRBK1	-0.42871	-2.25284	0.025542	0.328256
ADARB2;ADARB2-AS1;IDI1	-0.27758	-2.25781	0.025224	0.327222
	-0.26476	-2.24968	0.025747	0.329096
	-0.31331	-2.2535	0.0255	0.327966
	-0.23881	-2.25498	0.025404	0.327617
	-0.23369	-2.24996	0.025728	0.329038
	0.246064	2.257643	0.025234	0.327222
	0.281675	2.252537	0.025562	0.328345
COA1	0.135625	2.255088	0.025398	0.327608
	-0.1796	-2.25504	0.025401	0.327608
	-0.14566	-2.25394	0.025471	0.327839
CCSAP	-0.43943	-2.25409	0.025461	0.327835
STYXL1;HIP1;ENSG00000227038;SRRM3;NCF1C	0.229846	2.249779	0.02574	0.329096
CEP68 ZNF546;NFKBIB;RPS16	0.299935	2.255788	0.025353	0.32755
	0.278054	2.255287	0.025385	0.327608
	0.221174	2.257424	0.025248	0.327222
	0.242292	2.256461	0.02531	0.3275
	0.262555	2.25625	0.025323	0.3275
	-0.26563	-2.25886	0.025157	0.327038
	-0.16359	-2.25375	0.025484	0.327888
GRAP2;SUN2;CACNA1I;PDGFB;ENSG00000225528	0.244275	2.257733	0.025229	0.327222
	-0.35745	-2.25399	0.025468	0.327839

ENSG00000264198;IKZF3;KRT20;KRT23;CCR7	-0.2501	-2.25419	0.025455	0.327808
	-0.19987	-2.25812	0.025204	0.327222
	-0.25982	-2.25752	0.025242	0.327222
	-0.14916	-2.2531	0.025525	0.328136
C20orf166-AS1;GATA5;SLCO4A1;OSBPL2	0.153463	2.256814	0.025287	0.327377
	0.307279	2.255498	0.025371	0.32755
	0.311682	2.257981	0.025213	0.327222
	0.250844	2.254239	0.025452	0.327808
YIPF1;TTC22;TMEM59	-0.30464	-2.25117	0.02565	0.328735
	0.221896	2.252751	0.025548	0.328287
STMN3	-0.32462	-2.25706	0.025272	0.327315
AKAP3	0.328182	2.257701	0.025231	0.327222
	-0.31735	-2.25195	0.025599	0.328576
	-0.24338	-2.25746	0.025246	0.327222
PTPRN2	-0.34097	-2.25556	0.025367	0.32755
ANKRD65;C1orf222;SKI;SSU72;ENSG00000272106;FAM213B;VWA1;MORN1	-0.17012	-2.25502	0.025402	0.327608
	-0.2609	-2.25806	0.025208	0.327222
	-0.21353	-2.25191	0.025602	0.328576
	-0.32678	-2.25277	0.025546	0.32828
	0.205107	2.251004	0.025661	0.328775
	0.247908	2.255108	0.025396	0.327608
	-0.22932	-2.24824	0.02584	0.329413
	-0.22641	-2.25038	0.025701	0.328924
	0.222131	2.254694	0.025423	0.327709
	-0.2374	-2.25568	0.025359	0.32755
	0.163163	2.24931	0.02577	0.329212
	0.205602	2.254413	0.025441	0.327745
	0.171712	2.250177	0.025714	0.328938
	-0.28529	-2.25489	0.02541	0.327651
	0.147779	2.250217	0.025711	0.328936
	-0.30582	-2.2503	0.025706	0.328924
GIMAP5;LINC00996;GIMAP2	0.149523	2.255661	0.025361	0.32755
	-0.20417	-2.25096	0.025664	0.328796
	0.28283	2.255167	0.025393	0.327608
	-0.22459	-2.2583	0.025193	0.327222
SCMH1 POGZ	-0.30533	-2.25163	0.02562	0.328671
	-0.19122	-2.25782	0.025223	0.327222
	-0.2214	-2.25233	0.025575	0.328432
CBX2;RPTOR	-0.26188	-2.25593	0.025344	0.3275
	0.186594	2.25268	0.025552	0.328335
	0.184142	2.250581	0.025688	0.328924
	0.13415	2.25103	0.025659	0.328775
	0.316342	2.255914	0.025345	0.3275
RAD51B	-0.18824	-2.25394	0.025471	0.327839
	0.180446	2.257101	0.025269	0.327302
	0.145402	2.256273	0.025322	0.3275

CBX2;TIMP2;C1QTNF1;TNRC6C;CYTH1;CCDC40;ENSG00000178404;USP36;CANT1

0.291119	2.247225	0.025906	0.329705
0.159436	2.253686	0.025488	0.327898
0.22002	2.256431	0.025312	0.3275
0.212414	2.253739	0.025484	0.327888
-0.21038	-2.25398	0.025469	0.327839
0.183225	2.254881	0.025411	0.327651
0.276755	2.256008	0.025339	0.3275
0.196059	2.253972	0.025469	0.327839
-0.23782	-2.25549	0.025372	0.32755
-0.13602	-2.25088	0.025669	0.328841
0.25593	2.255252	0.025387	0.327608
0.281985	2.252381	0.025572	0.328432
-0.16643	-2.2485	0.025823	0.329279
0.157288	2.251308	0.025641	0.328734
-0.2274	-2.2571	0.025269	0.327302
0.208291	2.253734	0.025485	0.327888
-0.16249	-2.25128	0.025643	0.328734
-0.2562	-2.25299	0.025532	0.328179
-0.36583	-2.25254	0.025561	0.328345
0.248803	2.256032	0.025337	0.3275
0.15376	2.254594	0.025429	0.327709
0.24685	2.25144	0.025632	0.328709
-0.15384	-2.25178	0.025611	0.328621
0.262449	2.255567	0.025367	0.32755
-0.32843	-2.25463	0.025427	0.327709
0.276548	2.256219	0.025325	0.3275
-0.1827	-2.25154	0.025626	0.328708
-0.33974	-2.25078	0.025675	0.328862
0.221067	2.255506	0.025371	0.32755
0.208583	2.252621	0.025556	0.328345
-0.39223	-2.25596	0.025341	0.3275
-0.17682	-2.25433	0.025446	0.327771
0.283476	2.257085	0.02527	0.327304
-0.37092	-2.24954	0.025756	0.32914
0.265062	2.254815	0.025415	0.327675
0.225459	2.255755	0.025355	0.32755
-0.37198	-2.25532	0.025383	0.327608
0.227821	2.253074	0.025527	0.328148
-0.22812	-2.25322	0.025517	0.328108
0.316332	2.254603	0.025429	0.327709
-0.30669	-2.24672	0.025939	0.329803
0.30335	2.245628	0.02601	0.330179
-0.28299	-2.2535	0.0255	0.327966
-0.27497	-2.25197	0.025598	0.328576

RPL18A

FANCD2

ENSG00000261868

TMEM206

STK4;SDC4;UBE2C

JAKMIP1

ENSG00000163075;INHBB;ENSG00000229326;PTPN4  
PSMG3

SCGB1A1

LDLRAD2

CEP104;TP73-

AS1;LINC00982;MEGF6;PRDM16;DFFB;LINC01134

KIAA0825;NR2F1;NR2F1-AS1

IFFO1;CLSTN3;CD27;C1R;SCNN1A;C1S;VWF;RBP5;C1RL;C1RL-

AS1;CD9

HDAC4;HDLBP;SNED1

	0.177531	2.255205	0.02539	0.327608
	0.190005	2.252875	0.02554	0.328244
	-0.18713	-2.25235	0.025574	0.328432
	0.352152	2.255628	0.025363	0.32755
	0.131124	2.249681	0.025746	0.329096
	0.248688	2.255157	0.025393	0.327608
	0.337536	2.251119	0.025653	0.328743
	0.551832	2.257261	0.025259	0.327268
	-0.19324	-2.24801	0.025855	0.329474
	0.130415	2.253417	0.025505	0.328012
	0.23728	2.2484	0.025829	0.329321
	-0.31493	-2.25501	0.025403	0.327608
ZSCAN12	0.310706	2.254236	0.025452	0.327808
	-0.20925	-2.25551	0.025371	0.32755
	0.259639	2.253886	0.025475	0.327849
ZNF732;ZNF876P	0.217711	2.250392	0.0257	0.328924
	0.269719	2.245062	0.026047	0.330277
	0.152536	2.253041	0.025529	0.328165
	0.252143	2.252941	0.025536	0.328209
SEC23B	0.295363	2.253178	0.02552	0.328108
	0.147405	2.252509	0.025563	0.328359
	0.229	2.25051	0.025693	0.328924
KIAA1551	0.243993	2.254172	0.025456	0.327808
	0.239572	2.252781	0.025546	0.32828
	-0.25824	-2.25449	0.025436	0.32773
KIF21B	-0.1956	-2.25346	0.025502	0.327988
SPARCL1	0.294495	2.251644	0.025619	0.328671
	-0.30993	-2.25549	0.025372	0.32755
HS3ST6	0.234021	2.255901	0.025346	0.3275
	-0.268	-2.255	0.025403	0.327608
	-0.25541	-2.25625	0.025323	0.3275
TXNDC11;ZC3H7A	0.350326	2.254336	0.025446	0.327771
	-0.16498	-2.2565	0.025307	0.3275
	0.203931	2.254225	0.025453	0.327808
	-0.28172	-2.25194	0.0256	0.328576
	0.203281	2.256948	0.025279	0.327339
	-0.27815	-2.25454	0.025433	0.327727
	-0.13136	-2.25221	0.025583	0.328494
	-0.25251	-2.24792	0.02586	0.32952
	0.225724	2.254886	0.025411	0.327651
	0.258726	2.254153	0.025458	0.327808
THSD1	-0.32096	-2.25195	0.025599	0.328576
	-0.19384	-2.25679	0.025289	0.327377
DENND6A;FAM107A;C3orf67;RPP14;ABHD6	0.291661	2.250583	0.025688	0.328924
GAPVD1	0.256516	2.24865	0.025813	0.329244
	0.160249	2.250485	0.025694	0.328924
	0.178166	2.255697	0.025359	0.32755

SSBP3;TMEM61	-0.27777	-2.24482	0.026063	0.33032
	0.166457	2.254759	0.025419	0.327709
	0.292036	2.254833	0.025414	0.327671
	-0.26488	-2.25315	0.025522	0.328108
	-0.14512	-2.25264	0.025555	0.328342
ALAS1	0.360411	2.252561	0.02556	0.328345
	0.208216	2.250678	0.025682	0.328909
	-0.53506	-2.25084	0.025671	0.328841
	-0.19783	-2.24974	0.025742	0.329096
ENSG00000235027	0.218059	2.247019	0.025919	0.329745
FMNL1	0.162277	2.251788	0.02561	0.32862
	0.214544	2.249521	0.025757	0.32914
	-0.15356	-2.25144	0.025633	0.328709
RCSD1;CD247	0.235374	2.251189	0.025649	0.328734
	0.381531	2.255756	0.025355	0.32755
	0.240074	2.250849	0.025671	0.328841
NRP1	0.251767	2.251116	0.025653	0.328743
	-0.19132	-2.25507	0.025399	0.327608
	-0.22335	-2.25407	0.025463	0.327835
	0.181639	2.24521	0.026038	0.330244
GGCT;PRR15;NOD1;AQP1	-0.28685	-2.248	0.025856	0.329474
	0.225265	2.249821	0.025737	0.329087
OTUD4	-0.30852	-2.25315	0.025522	0.328108
PSMA5	0.178776	2.251346	0.025638	0.328734
	-0.43318	-2.25421	0.025454	0.327808
	0.241879	2.252564	0.02556	0.328345
	0.249933	2.252637	0.025555	0.328342
	0.259268	2.244321	0.026096	0.330404
MOK;ENSG00000259508	-0.31802	-2.25468	0.025423	0.327709
HK2;MTHFD2	0.141535	2.251208	0.025647	0.328734
	-0.13458	-2.25315	0.025522	0.328108
IQCE;SDK1;TTYH3	0.272038	2.249509	0.025757	0.32914
	-0.2266	-2.24674	0.025937	0.329803
	0.540839	2.255935	0.025343	0.3275
	-0.17591	-2.25151	0.025628	0.328709
	-0.2962	-2.25388	0.025475	0.327849
	-0.12793	-2.24789	0.025863	0.329532
RFFL;SLFN12L;ENSG00000267554;ENSG00000255987	-0.33916	-2.24978	0.02574	0.329096
ENSG00000270614	0.18908	2.250787	0.025675	0.328862
NOD1	0.281708	2.256137	0.02533	0.3275
ENSG00000255545;GLB1L2	0.223939	2.250509	0.025693	0.328924
SLC36A1;NDST1;SYNPO	-0.22471	-2.25428	0.02545	0.327794
	-0.21744	-2.25292	0.025537	0.328214
RN7SL4P	-0.13892	-2.25035	0.025703	0.328924
	0.254916	2.246778	0.025935	0.329803
RASSF1	-0.21406	-2.25414	0.025458	0.327809
	-0.17503	-2.25328	0.025514	0.328108

LINC00865	0.349065	2.252648	0.025554	0.328342
	-0.46792	-2.25396	0.02547	0.327839
	-0.18548	-2.25388	0.025475	0.327849
	-0.28466	-2.25039	0.0257	0.328924
	0.233677	2.243096	0.026176	0.330902
	-0.31884	-2.24756	0.025884	0.329563
	-0.16291	-2.25565	0.025362	0.32755
	-0.19001	-2.24845	0.025826	0.32929
	-0.23826	-2.25143	0.025633	0.328709
	0.109232	2.23891	0.026453	0.331859
RN7SKP71	-0.21766	-2.24865	0.025813	0.329244
	0.331913	2.255487	0.025372	0.32755
	-0.17066	-2.25355	0.025496	0.327954
	0.149057	2.252584	0.025559	0.328345
RNF6;WASF3;MTMR6	0.286013	2.251856	0.025605	0.328584
	-0.29812	-2.25443	0.02544	0.327745
	0.197275	2.253984	0.025468	0.327839
COL4A1;COL4A2	0.250973	2.247497	0.025888	0.329589
	0.369169	2.255122	0.025395	0.327608
GSKIP;C14orf132	0.296904	2.253864	0.025476	0.327849
ENSG00000262370;IL32;CLUAP1;ENSG00000261971;ENSG0000272079	0.203517	2.249109	0.025783	0.329212
IFFO1;SCNN1A;CLSTN3;ANO2;C1RL-AS1	0.248936	2.254446	0.025439	0.327745
	-0.37346	-2.25449	0.025436	0.32773
	0.218776	2.247861	0.025864	0.329533
	0.148373	2.251348	0.025638	0.328734
FAM53B	0.254878	2.250328	0.025704	0.328924
	0.268704	2.250679	0.025682	0.328909
	0.226933	2.252355	0.025573	0.328432
	-0.24342	-2.24761	0.025881	0.329561
NADK;SKI;MXRA8;TTLL10;TTLL10-AS1;VWA1;MORN1;C1orf222;PRKCZ;RER1;ENSG00000269896;ANKRD65;SSU72;PRDM16	0.309653	2.255175	0.025392	0.327608
HN1L;TCEB2	0.580515	2.255482	0.025372	0.32755
LSM2	0.302227	2.251637	0.02562	0.328671
	-0.15228	-2.24999	0.025726	0.329029
	0.204233	2.250749	0.025677	0.32888
	0.152711	2.248067	0.025851	0.329474
GSTT1;ENSG00000235231;ENSG00000272955;ENSG00000225282;ENSG00000273295;ENSG00000218537;ENSG00000272787;GSTT2	0.571607	2.241023	0.026313	0.331351
HLA-A	-0.2882	-2.25141	0.025634	0.328709
	-0.29737	-2.25219	0.025584	0.328494
	0.282814	2.249154	0.02578	0.329212
	-0.3891	-2.2485	0.025823	0.329279
	-0.19055	-2.2499	0.025732	0.329054
	-0.15081	-2.25144	0.025632	0.328709



	0.16539	2.25132	0.02564	0.328734
	-0.12917	-2.24946	0.025761	0.329161
	0.305344	2.253701	0.025487	0.327896
PSMA5;LAMTOR5;CLCC1	-0.27959	-2.25449	0.025436	0.327773
	-0.34077	-2.25255	0.025561	0.328345
GNA15	0.261665	2.251888	0.025603	0.328577
	-0.22541	-2.24805	0.025852	0.329474
PKNOX2;FEZ1;KIRREL3	-0.28241	-2.25032	0.025705	0.328924
	0.243156	2.249877	0.025733	0.32906
PTPMT1	0.277457	2.254414	0.025441	0.327745
	-0.23617	-2.25033	0.025704	0.328924
CAMTA1	0.303405	2.252351	0.025574	0.328432
RN7SKP69	0.257146	2.250021	0.025724	0.329025
	0.220682	2.252157	0.025586	0.328505
	0.201626	2.248651	0.025813	0.329244
	0.217556	2.25069	0.025681	0.328909
	-0.21394	-2.2493	0.025771	0.329212
	0.31656	2.249015	0.025789	0.329212
C21orf58	-0.19886	-2.24394	0.026121	0.330566
FGF1;SPRY4	-0.39056	-2.25317	0.025521	0.328108
MEIS1	-0.28633	-2.25054	0.025691	0.328924
	-0.29565	-2.25315	0.025522	0.328108
	-0.12521	-2.24217	0.026237	0.331134
	-0.29649	-2.25233	0.025575	0.328432
R3HDM4;CDC34;C19orf24	-0.28887	-2.2544	0.025442	0.327746
	0.176408	2.24762	0.02588	0.329561
EMP1;GPRC5A;C12orf36;LOH12CR2;APOLD1	-0.29962	-2.24406	0.026113	0.330525
WDR35;PUM2	-0.3086	-2.24857	0.025818	0.329267
	-0.16684	-2.25037	0.025701	0.328924
RASSF1	-0.20935	-2.24766	0.025878	0.329561
SKAP1;NPEPPS;SP6;ENSG00000235300;MIR10A;CALCOCO2;HOXB4	-0.25468	-2.24927	0.025773	0.329212
ANKRD28	-0.41627	-2.24571	0.026005	0.330151
LINC01132	-0.27227	-2.25123	0.025646	0.328734
	-0.41398	-2.24859	0.025817	0.329265
FGD3	0.216579	2.252793	0.025545	0.32828
	0.228779	2.250816	0.025673	0.328854
	0.216328	2.251797	0.025609	0.32862
	-0.7937	-2.25472	0.025421	0.327709
	0.21474	2.250272	0.025708	0.328928
	0.323142	2.250437	0.025697	0.328924
	-0.28722	-2.24668	0.025941	0.329804
	-0.18692	-2.24709	0.025915	0.329745
	0.208037	2.249082	0.025785	0.329212
	-0.22903	-2.24514	0.026042	0.330244
	-0.28756	-2.24811	0.025848	0.329474
CARS;IGF2;NAP1L4	0.222666	2.249675	0.025747	0.329096

	0.181222	2.246885	0.025928	0.329783
SYNE3;LINC00341;BDKRB1;GSKIP	-0.23741	-2.24746	0.025891	0.329613
NKX3-1;SLC25A37;PHYHIP;GFRA2;BIN3	-0.52393	-2.24444	0.026088	0.330387
	0.184458	2.249076	0.025785	0.329212
	0.233074	2.247579	0.025883	0.329561
	0.208106	2.245722	0.026004	0.33015
	0.161043	2.247056	0.025917	0.329745
DDR1;GABBR1;HLA-F-AS1;PPP1R11;PPP1R18	-0.33927	-2.24758	0.025883	0.329561
	-0.26759	-2.24896	0.025793	0.329212
	0.302979	2.252989	0.025532	0.328179
MMRN2	-0.26606	-2.2546	0.025429	0.327709
	0.214693	2.253814	0.025479	0.327881
	0.201664	2.250849	0.025671	0.328841
CD6;CD5;MS4A1;TMEM132A;MS4A7;MS4A8;PPP1R32;MS4A6				
A	-0.3982	-2.24628	0.025968	0.32996
ZCCHC24;ZMIZ1;KCNMA1;PIIF	0.216438	2.249545	0.025755	0.32914
	0.322868	2.251239	0.025645	0.328734
ARHGAP42	0.2795	2.246263	0.025969	0.32996
	0.109028	2.247332	0.025899	0.329677
	0.299554	2.251875	0.025604	0.328578
	0.228694	2.25127	0.025643	0.328734
GBAS	0.223025	2.250246	0.02571	0.328928
PEX13	0.264678	2.250418	0.025698	0.328924
	0.153383	2.248682	0.025811	0.329244
FAM83F;CBX7;NPTXR;TOMM22	-0.26941	-2.24971	0.025744	0.329096
	0.24193	2.247754	0.025871	0.329561
SEC22B	0.152495	2.251489	0.025629	0.328709
	0.402712	2.245299	0.026032	0.330244
ENSG00000260682	-0.19522	-2.25105	0.025658	0.328775
	0.197629	2.250537	0.025691	0.328924
TIMP4	-0.30099	-2.249	0.02579	0.329212
	0.290946	2.246873	0.025929	0.329783
	-0.29112	-2.25152	0.025627	0.328709
	-0.19531	-2.24642	0.025958	0.329904
BRI3	-0.20965	-2.25204	0.025594	0.328559
	0.134506	2.244674	0.026073	0.330346
	-0.24461	-2.24945	0.025761	0.329161
	-0.40949	-2.25091	0.025666	0.328822
	0.229358	2.250244	0.02571	0.328928
RASAL3;SYDE1;CYP4F11;ENSG00000267056	-0.19588	-2.24917	0.025779	0.329212
	-0.18202	-2.2491	0.025784	0.329212
	0.136679	2.244756	0.026067	0.33032
	0.22163	2.248327	0.025834	0.329353
FANCA;SPATA33;GAS8	0.327566	2.25105	0.025658	0.328775
ENSG00000257438	0.211208	2.252101	0.02559	0.328532
ENSG00000228648;ENSG00000231720	0.235603	2.249065	0.025786	0.329212
BAI1;PSCA;TOP1MT;GPIHBP1;RHPN1-AS1;EEF1D	-0.24159	-2.25065	0.025683	0.32892

TNK1	-0.24659	-2.25158	0.025624	0.328698
	-0.15961	-2.2492	0.025778	0.329212
	-0.19425	-2.24492	0.026057	0.330299
	0.132437	2.250288	0.025707	0.328927
	-0.18134	-2.25024	0.02571	0.328928
	0.263252	2.251254	0.025644	0.328734
	0.1677	2.243901	0.026123	0.330586
	-0.15888	-2.24891	0.025797	0.329226
	0.223238	2.243056	0.026179	0.330907
	-0.21208	-2.24888	0.025798	0.329234
	-0.37517	-2.24874	0.025807	0.329244
	-0.17247	-2.24808	0.02585	0.329474
	-0.20024	-2.24873	0.025808	0.329244
	-0.17231	-2.24955	0.025755	0.32914
	0.27002	2.248612	0.025816	0.329264
SLC16A5	-0.23406	-2.24868	0.025811	0.329244
	0.207836	2.248992	0.025791	0.329212
	0.328357	2.252989	0.025532	0.328179
FLT4;BTNL9	0.209348	2.247499	0.025888	0.329589
CPNE1	-0.16712	-2.24868	0.025811	0.329244
TNS1;RQCD1	0.213576	2.243076	0.026178	0.330907
DICER1-AS1	0.241104	2.252154	0.025586	0.328505
TRAF3IP1;HES6;TWIST2;ASB1;ENSG00000232306	0.228777	2.249733	0.025743	0.329096
	-0.17769	-2.24592	0.025991	0.330077
	0.162609	2.25116	0.02565	0.328736
	0.175883	2.245098	0.026045	0.330267
EFCAB10;RINT1;CDHR3	-0.24239	-2.24911	0.025783	0.329212
	0.21491	2.251419	0.025634	0.328709
	0.255031	2.246347	0.025963	0.329945
	0.207254	2.246286	0.025967	0.32996
	-0.32911	-2.24739	0.025895	0.329647
RASGRP3	-0.31553	-2.25258	0.025559	0.328345
	0.307894	2.248759	0.025806	0.329244
	-0.24012	-2.24786	0.025864	0.329533
INTS5;FADS3;SCGB2A1;TMEM216	-0.39004	-2.24182	0.026261	0.331202
C15orf27;PPCDC;FAM219B;COX5A;TYRO3P	-0.21056	-2.24542	0.026024	0.330244
	0.344917	2.249596	0.025752	0.329137
	-0.29921	-2.24914	0.025781	0.329212
KRT13	0.267102	2.246254	0.025969	0.32996
ENSG00000188002;TPPP;PDCD6	0.198161	2.247696	0.025875	0.329561
	-0.22876	-2.24967	0.025747	0.329096
	-0.1868	-2.24897	0.025792	0.329212
	0.161742	2.250598	0.025687	0.328924
CWC15;AMOTL1	-0.2293	-2.24282	0.026194	0.330919
	-0.26923	-2.24622	0.025972	0.32996
	0.175404	2.242646	0.026206	0.330954
MUC13;UMPS	0.193902	2.245568	0.026014	0.33019

	0.151064	2.248716	0.025809	0.329244
	-0.23174	-2.24621	0.025972	0.32996
	-0.26613	-2.24871	0.025809	0.329244
TESC	-0.2949	-2.24884	0.025801	0.329244
	0.233269	2.24678	0.025935	0.329803
CSMD1	0.276874	2.250115	0.025718	0.328962
ANKMY1;ENSG00000223991;PASK;ENSG00000233392;ENSG0000226321;FARP2;SNED1	-0.27863	-2.25046	0.025696	0.328924
	-0.35813	-2.2521	0.02559	0.328532
PSTPIP1	0.269823	2.249379	0.025766	0.329201
SYNE1	-0.30244	-2.24278	0.026197	0.330919
	0.312726	2.251187	0.025649	0.328734
	-0.13634	-2.24778	0.02587	0.329561
	0.247866	2.247216	0.025906	0.329705
CARS;TSSC2	0.159675	2.250316	0.025705	0.328924
	-0.20801	-2.25159	0.025622	0.328693
SYT8;ASCL2;TNNI2	0.491567	2.248208	0.025842	0.329432
	0.226471	2.250415	0.025699	0.328924
	-0.14525	-2.25173	0.025613	0.328635
	-0.20364	-2.249	0.02579	0.329212
	-0.44844	-2.24958	0.025753	0.32914
RNU1-2;RNU1-4	0.187417	2.252001	0.025596	0.328562
ADCY7;CYLD	0.266755	2.248944	0.025794	0.329214
	0.244691	2.252357	0.025573	0.328432
SKI	-0.16591	-2.24963	0.02575	0.329119
	-0.27693	-2.25191	0.025602	0.328576
	0.30502	2.248022	0.025854	0.329474
	-0.18831	-2.2446	0.026078	0.330367
	0.102891	2.248513	0.025822	0.329279
	0.261675	2.250373	0.025701	0.328924
MAP2K5	0.199101	2.250015	0.025725	0.329025
	0.194673	2.250346	0.025703	0.328924
	0.229429	2.245667	0.026008	0.330157
DYNC1LI2	0.208731	2.244506	0.026084	0.330378
	0.228176	2.245589	0.026013	0.33019
	0.24328	2.249866	0.025734	0.32906
FAM83H-AS1;MIR4664;FAM83H;ARHGAP39	0.312196	2.249952	0.025729	0.329038
	0.318118	2.249898	0.025732	0.329054
	0.161176	2.247515	0.025887	0.329589
	-0.13347	-2.24767	0.025877	0.329561
	0.259308	2.25172	0.025614	0.328638
CBFA2T3;PIEZO1;ENSG00000261226;ENSG00000259881;ENSG00000224888;RNF166;DEF8;ANKRD11;ENSG00000260923;ENSG00000260121;ENSG00000260279	-0.32204	-2.23935	0.026424	0.331674
	0.292344	2.246715	0.025939	0.329803
	-0.20179	-2.24742	0.025893	0.329632
ZFP2	0.259386	2.248976	0.025792	0.329212

TEKT2;ADPRHL2;ENSG00000232862;OSCP1;C1orf216;GRIK3	0.205572	2.249782	0.02574	0.329096
	-0.22284	-2.24214	0.026239	0.331134
	0.278111	2.247694	0.025875	0.329561
	-0.24642	-2.24703	0.025918	0.329745
	0.367262	2.24815	0.025846	0.329461
FUOM	0.235336	2.245927	0.025991	0.330077
	-0.27796	-2.24503	0.026049	0.330279
	-0.28901	-2.24646	0.025956	0.3299
	0.191057	2.245158	0.026041	0.330244
	0.212545	2.245246	0.026035	0.330244
	-0.39292	-2.2493	0.025771	0.329212
	0.241711	2.249472	0.02576	0.32916
PPP1R18;GABBR1;DDR1;HLA-F;PPP1R11;HLA-F-AS1	-0.30978	-2.24648	0.025954	0.329897
TMEM87B;PSD4;MERTK	-0.34028	-2.24458	0.026079	0.330367
	-0.28221	-2.24099	0.026315	0.331351
	-0.2191	-2.24872	0.025809	0.329244
EDNRA;ARHGAP10	-0.24203	-2.24913	0.025782	0.329212
	0.241709	2.249286	0.025772	0.329212
	0.297277	2.247991	0.025856	0.329474
	0.206126	2.249362	0.025767	0.329202
	-0.22289	-2.25031	0.025706	0.328924
SPARCL1;MAPK10;KLHL8;ENSG00000261496	-0.39934	-2.24346	0.026153	0.330728
	0.20066	2.247843	0.025866	0.329536
	0.165098	2.243527	0.026148	0.330717
	-0.26184	-2.24923	0.025775	0.329212
	-0.18194	-2.24547	0.026021	0.330226
	-0.17372	-2.24882	0.025802	0.329244
	-0.198	-2.24689	0.025928	0.329783
	0.467752	2.245698	0.026006	0.330151
HOXB6;FAM117A	0.284868	2.245395	0.026025	0.330244
CXCL16;NUP88	0.204569	2.25127	0.025643	0.328734
ANGEL1;CIPC;VASH1	-0.31043	-2.24727	0.025903	0.329702
TMEM214;PREB	0.213877	2.250143	0.025716	0.328948
	-0.36613	-2.24412	0.026109	0.33051
NUAK1;TXNRD1;ENSG00000257438	-0.307	-2.24613	0.025977	0.32997
	-0.34936	-2.25202	0.025595	0.32856
LAX1	-0.30186	-2.24913	0.025782	0.329212
	-0.18241	-2.24804	0.025853	0.329474
UQCC2;HSD17B8	-0.28764	-2.24727	0.025903	0.329702
	0.219231	2.24762	0.02588	0.329561
	0.155678	2.247023	0.025919	0.329745
	0.263237	2.249297	0.025771	0.329212
STAT5B;STAT5A;RUNDC1;ATP6V0A1;CNTD1;FKBP10;VPS25	-0.21547	-2.24903	0.025789	0.329212
SNORA74A;HARS	-0.18202	-2.24114	0.026305	0.331351
DHX16	0.267115	2.250379	0.025701	0.328924

TESPA1;NCKAP1L;PCBP2 NIF3L1;NDUFB3;SUMO1;BZW1	0.125806	2.244999	0.026051	0.330289
	-0.27151	-2.24039	0.026355	0.33149
	-0.16285	-2.25017	0.025715	0.328938
	0.203499	2.238001	0.026513	0.332026
	-0.33951	-2.24352	0.026148	0.330717
	0.262145	2.248454	0.025826	0.32929
	-0.35887	-2.24363	0.026141	0.330717
	0.255269	2.249993	0.025726	0.329029
	-0.22545	-2.24355	0.026146	0.330717
	-0.2784	-2.24361	0.026143	0.330717
RABL2B;ODF3B;DENND6B;SCO2;MAPK11 STIM2;SMIM20;ENSG00000240005	-0.34268	-2.24911	0.025783	0.329212
	0.254788	2.247804	0.025868	0.329551
	0.246629	2.247592	0.025882	0.329561
	0.298914	2.249924	0.02573	0.329052
APOL3	-0.25747	-2.24801	0.025855	0.329474
	0.177919	2.243505	0.026149	0.330717
	0.230536	2.247699	0.025875	0.329561
	-0.29003	-2.24717	0.025909	0.329719
ENSG00000239498	0.179258	2.249519	0.025757	0.32914
	0.239601	2.246172	0.025975	0.32997
	0.2492	2.247638	0.025879	0.329561
	-0.19427	-2.24969	0.025746	0.329096
	0.145022	2.239215	0.026433	0.331741
	-0.1355	-2.2487	0.02581	0.329244
	0.143474	2.244835	0.026062	0.330319
	0.294687	2.244763	0.026067	0.33032
	-0.173	-2.24526	0.026034	0.330244
	0.125583	2.248379	0.025831	0.329329
RBMS2	0.172079	2.248044	0.025853	0.329474
	-0.3405	-2.251	0.025661	0.328775
	0.140221	2.246635	0.025944	0.329812
	-0.2613	-2.24605	0.025983	0.330007
NFKBIE	-0.22745	-2.24891	0.025796	0.329226
	-0.23209	-2.25058	0.025688	0.328924
	-0.2601	-2.24611	0.025979	0.329974
	0.134444	2.241182	0.026303	0.331351
	-0.17902	-2.24613	0.025977	0.32997
	0.171214	2.246626	0.025945	0.329812
	0.305876	2.246728	0.025938	0.329803
	0.291336	2.248587	0.025817	0.329265
	-0.15963	-2.2502	0.025712	0.328938
	0.277294	2.244273	0.026099	0.330433
	0.256735	2.245733	0.026003	0.33015
	-0.38236	-2.24606	0.025982	0.330005
	0.274641	2.24887	0.025799	0.329236
	0.352432	2.242681	0.026204	0.330943
	0.288357	2.249173	0.025779	0.329212

ZNF831;ZBP1	0.145796	2.241356	0.026291	0.331338
	-0.22742	-2.24666	0.025943	0.329812
	0.238254	2.245325	0.02603	0.330244
	-0.30021	-2.24488	0.026059	0.330299
MBP NLRC5;GPR114;ENSG00000261270 CD79B;ERN1;LIMD2;MRC2 ENSG00000250860;GHR	0.199486	2.246245	0.02597	0.32996
	-0.24084	-2.2444	0.026091	0.330387
	0.24346	2.2464	0.02596	0.329911
	0.294993	2.249141	0.025781	0.329212
ENSG00000235131	0.280242	2.237752	0.02653	0.332026
	0.249903	2.247833	0.025866	0.329536
	0.213106	2.24618	0.025974	0.32997
	-0.13629	-2.24849	0.025824	0.329279
MIR4664;FAM83H-AS1;FAM83H	0.101585	2.242801	0.026196	0.330919
	-0.16843	-2.2441	0.02611	0.33051
	0.240685	2.245725	0.026004	0.33015
	0.312084	2.244587	0.026078	0.330367
HIGD1B;EFTUD2;ACBD4;FMNL1;NSF;LRRC37A4P;MAP3K14;ENSG00000267121	0.308765	2.249687	0.025746	0.329096
	-0.17994	-2.24253	0.026214	0.331011
	-0.17021	-2.24575	0.026002	0.33015
	0.213603	2.246708	0.02594	0.329803
PSMC3	0.45541	2.250388	0.0257	0.328924
	0.257852	2.241111	0.026307	0.331351
	0.198934	2.246475	0.025955	0.329897
	-0.28411	-2.2453	0.026032	0.330244
EMILIN1;KRTCAP3;GPN1;KHK;KCNK3;AGBL5;SUPT7L	0.283383	2.242067	0.026244	0.331134
	0.27044	2.24514	0.026042	0.330244
	0.244897	2.248173	0.025844	0.329451
	0.262919	2.247166	0.02591	0.329719
DNAAF1;FAM92B;HSDL1;ENSG00000260228;HSBP1;USP10;ENSG00000262601;ATP2C2;WFDC1;MBTPS1;C16orf74;KIAA0513	0.207528	2.246131	0.025977	0.32997
	0.199421	2.242841	0.026193	0.330919
	-0.36791	-2.24807	0.025851	0.329474
	-0.24461	-2.24209	0.026243	0.331134
OSR1;WDR35	-0.26014	-2.24877	0.025805	0.329244
	-0.31755	-2.24494	0.026055	0.330299
	-0.26411	-2.24761	0.025881	0.329561
	-0.36587	-2.23978	0.026395	0.331157
GPR146 FKBP10;HAP1;KRT23;ACLY;LEPREL4 HOXB-AS2;HOXB4	-0.28822	-2.24439	0.026092	0.330387
	-0.22429	-2.24317	0.026171	0.330858
	0.259653	2.248561	0.025819	0.329267
	-0.32647	-2.23846	0.026483	0.331941
	-0.23198	-2.24723	0.025906	0.329705
	0.186968	2.234214	0.026766	0.333043
	-0.23811	-2.24444	0.026088	0.330387
	0.273109	2.246688	0.025941	0.329804

TMEM14B;SYCP2L;NEDD9;MAK;C6orf52	0.28437	2.245179	0.02604	0.330244
	0.101375	2.239688	0.026401	0.331591
	0.526354	2.242362	0.026225	0.331102
	0.250222	2.245792	0.026	0.330141
	0.254287	2.247043	0.025918	0.329745
RBL1	-0.19146	-2.24003	0.026379	0.331522
	0.195399	2.245189	0.026039	0.330244
	-0.23091	-2.24643	0.025958	0.329904
	0.111196	2.242938	0.026187	0.330919
	0.362722	2.241648	0.026272	0.331223
WDR45B;PCYT2;TBCD;SLC25A10	0.310229	2.244362	0.026093	0.330387
	-0.19359	-2.24485	0.026061	0.330318
	-0.30448	-2.24789	0.025863	0.329532
	-0.18597	-2.24881	0.025803	0.329244
	-0.28783	-2.24204	0.026246	0.331134
CIAPIN1 ASPA;SPNS2;P2RX1;C17orf85;ZZEF1;ALOX15	0.175665	2.248539	0.02582	0.329275
	0.304672	2.247303	0.025901	0.329691
	-0.37794	-2.24437	0.026093	0.330387
	-0.25982	-2.24835	0.025833	0.329343
	-0.23565	-2.2488	0.025803	0.329244
ARID5A;KANSL3 IL32	-0.14865	-2.24633	0.025964	0.329946
	-0.26611	-2.24464	0.026075	0.330358
	0.163834	2.24769	0.025876	0.329561
	-0.24318	-2.24438	0.026092	0.330387
	0.190671	2.244057	0.026113	0.330525
TRGC2	0.154192	2.246214	0.025972	0.32996
	0.213483	2.240187	0.026368	0.33149
	0.202724	2.244406	0.02609	0.330387
	0.195433	2.247717	0.025874	0.329561
	-0.32277	-2.24351	0.026149	0.330717
MAZ	0.33367	2.242589	0.02621	0.33098
	0.224889	2.242323	0.026227	0.331105
	0.23374	2.245086	0.026046	0.330267
	0.18574	2.247014	0.02592	0.329745
	0.140973	2.235467	0.026683	0.33271
PNO1	-0.29777	-2.24715	0.025911	0.329719
	0.280017	2.247051	0.025917	0.329745
	-0.29667	-2.23957	0.026409	0.331621
	0.163933	2.246771	0.025936	0.329803
	0.268214	2.245346	0.026029	0.330244
MARVELD3;AP1G1;PHLPP2;TAT;IST1	-0.21545	-2.2411	0.026308	0.331351
	0.194126	2.246976	0.025922	0.329763
	0.266723	2.242671	0.026204	0.330943
	0.291978	2.244679	0.026072	0.330346
	0.275865	2.242979	0.026184	0.330919
	-0.12545	-2.2412	0.026301	0.331351
	0.23825	2.246963	0.025923	0.329763



H2AFY	-0.2119	-2.24715	0.025911	0.329719
	-0.259	-2.2456	0.026012	0.33019
AIF1L;ABL1;LINC00963	-0.19113	-2.24399	0.026118	0.330562
	-0.2155	-2.24422	0.026103	0.330462
	-0.18666	-2.2468	0.025933	0.329803
	-0.23363	-2.24251	0.026215	0.331021
	0.251477	2.245486	0.02602	0.330226
COL16A1	-0.27465	-2.2415	0.026282	0.331286
	0.265032	2.2413	0.026295	0.331347
	0.356965	2.244772	0.026066	0.33032
MYCT1;SYNE1;AKAP12;VIP	-0.25626	-2.23777	0.026529	0.332026
WDR66;OASL	-0.17328	-2.24769	0.025875	0.329561
	-0.23294	-2.24141	0.026287	0.331321
C4orf19	-0.278	-2.23818	0.026502	0.332026
	-0.21729	-2.24023	0.026366	0.33149
	0.2486	2.24576	0.026002	0.33015
	-0.24692	-2.24091	0.02632	0.331382
NDUFS6	0.195651	2.243735	0.026134	0.330658
	0.212702	2.243546	0.026147	0.330717
	0.21481	2.241736	0.026266	0.331202
	0.278599	2.23857	0.026476	0.331937
	0.200566	2.24529	0.026032	0.330244
	0.238352	2.237975	0.026515	0.332026
PSMB8;BAK1;TAP1	0.314512	2.246012	0.025985	0.330027
	-0.51099	-2.24186	0.026258	0.331188
	-0.23119	-2.24307	0.026178	0.330907
	0.272228	2.24722	0.025906	0.329705
	0.2039	2.245949	0.025989	0.330069
SCOC;ELMOD2;H3F3AP6	-0.29791	-2.24333	0.026161	0.330788
	-0.5283	-2.24436	0.026093	0.330387
SLC26A2	-0.41732	-2.24277	0.026198	0.330919
CD19;KIAA0556;APOBR;XPO6;ENSG00000261329;ENSG00000196927;ENSG00000271699;EIF3C	-0.27655	-2.24688	0.025928	0.329783
	-0.15154	-2.24338	0.026158	0.330764
	-0.19042	-2.24065	0.026338	0.331455
	-0.20806	-2.24585	0.025996	0.330124
	-0.16534	-2.24003	0.026378	0.331522
	0.173919	2.24614	0.025977	0.32997
C1QC	-0.16086	-2.24653	0.025951	0.329868
	0.213984	2.239488	0.026415	0.331621
RALGPS1;SNORA65	0.316505	2.243977	0.026118	0.330562
	0.282861	2.240327	0.026359	0.33149
	-0.16626	-2.24675	0.025937	0.329803
	0.294711	2.245675	0.026007	0.330157
AGBL4;SPATA6;SLC5A9	0.293095	2.244899	0.026058	0.330299
NALCN	-0.33865	-2.24065	0.026337	0.331455
	-0.17079	-2.23568	0.026669	0.332668

SLAMF1;LY9;SLAMF6;CD84;CD48;FCRL6;SLAMF7;HSPA7;ARHG AP30;FCGR2B;SLAMF8;FCGR2C;CD244;USP21	0.322324	2.245188	0.026039	0.330244
GCH1	-0.26525	-2.24494	0.026055	0.330299
NUP210;CHCHD4;FGD5	-0.35074	-2.24533	0.02603	0.330244
	-0.26742	-2.24214	0.026239	0.331134
	-0.21558	-2.24288	0.026191	0.330919
RNF135;COPRS	0.234435	2.245356	0.026028	0.330244
	-0.21068	-2.24542	0.026024	0.330244
RUNX3	0.360654	2.24276	0.026198	0.330919
	0.230058	2.241046	0.026312	0.331351
TMEM255B;F10;GAS6	-0.24404	-2.24187	0.026257	0.331187
	0.274307	2.246646	0.025944	0.329812
	-0.23148	-2.24918	0.025779	0.329212
	0.242655	2.242	0.026249	0.33115
ZNF267	0.268024	2.24548	0.02602	0.330226
	0.289331	2.24491	0.026057	0.330299
	0.213555	2.246896	0.025927	0.329783
	-0.19244	-2.24524	0.026035	0.330244
	-0.14665	-2.2455	0.026019	0.330226
	0.267618	2.244894	0.026058	0.330299
ARHGEF38	-0.2898	-2.23889	0.026455	0.331859
	0.238026	2.237112	0.026573	0.332232
	-0.26428	-2.24191	0.026254	0.331175
	-0.16772	-2.24735	0.025898	0.329673
	0.213427	2.240802	0.026328	0.331429
	0.221122	2.246427	0.025958	0.329904
	0.241269	2.241896	0.026255	0.331178
	0.198262	2.245139	0.026042	0.330244
C2orf54	0.305518	2.244635	0.026075	0.330358
	-0.20811	-2.24127	0.026297	0.331347
POLD3;ARHGEF17;PGM2L1;PDE2A;P4HA3	0.228552	2.245573	0.026014	0.33019
FUOM;TUBGCP2;PWWP2B;LRRC27;TTC40;STK32C	-0.2445	-2.23886	0.026457	0.331863
CPNE5	-0.22184	-2.24475	0.026068	0.33032
	-0.24799	-2.24283	0.026194	0.330919
	-0.32018	-2.24657	0.025949	0.329851
EXOC3L4	-0.27978	-2.24021	0.026367	0.33149
	-0.1562	-2.24032	0.02636	0.33149
MYCBPAP;CACNA1G;ACSF2;TOB1-AS1	-0.3933	-2.238	0.026513	0.332026
	0.135663	2.24528	0.026033	0.330244
COL4A4;COL4A3;IRS1	0.347165	2.244353	0.026094	0.330387
	0.304092	2.241821	0.02626	0.331202
	0.118932	2.245328	0.02603	0.330244
	0.211536	2.243748	0.026134	0.330658
ZBTB9	-0.28811	-2.24475	0.026067	0.33032
	-0.2067	-2.23552	0.026679	0.33271
CAMK4	0.317956	2.247078	0.025916	0.329745
	0.260331	2.242174	0.026237	0.331134

PLEKHA5;RPL7P6 IARS2;HLX;EPRS;MORF4L1P1;BPNT1;DUSP10;HDAC1P2	-0.31762	-2.24583	0.025997	0.330127
	0.338525	2.244492	0.026085	0.330379
	-0.39561	-2.2433	0.026163	0.330788
	0.208799	2.242703	0.026202	0.330943
	0.155796	2.239565	0.02641	0.331621
PUS10	0.179721	2.24422	0.026103	0.330462
	-0.31551	-2.24245	0.026219	0.331053
	0.172009	2.245475	0.02602	0.330226
	0.225874	2.242827	0.026194	0.330919
ANKRD65;RNF223;ENSG00000272106;MXRA8;VWA1;SAMD11; SSU72	-0.24821	-2.24192	0.026254	0.331175
	-0.35846	-2.2458	0.025999	0.330141
	0.172373	2.241707	0.026268	0.331202
	0.263436	2.242829	0.026194	0.330919
	0.189533	2.243867	0.026126	0.330604
TRAF3IP1;ENSG00000232306	0.190067	2.240531	0.026346	0.331464
	0.129634	2.23819	0.026501	0.332026
	-0.4615	-2.24488	0.026059	0.330299
	-0.38888	-2.24632	0.025965	0.329946
	0.241786	2.245321	0.02603	0.330244
MATN2 TMEM59;ORC1	0.287476	2.242888	0.02619	0.330919
	0.186536	2.239704	0.0264	0.331591
	-0.24748	-2.24672	0.025939	0.329803
	0.147448	2.240457	0.026351	0.33149
	0.306229	2.240952	0.026318	0.331358
ITGAL;CORO1A;ZNF629;ZNF720;ZNF768	-0.26188	-2.23951	0.026413	0.331621
	0.247783	2.241406	0.026288	0.331321
	-0.3781	-2.23895	0.026451	0.331846
	0.183913	2.242618	0.026208	0.330967
	-0.26243	-2.24233	0.026227	0.331105
ZMAT2;NDUFA2;CTNNA1;SNORA74A;IK;CYSTM1 STX18	-0.35922	-2.23785	0.026524	0.332026
	-0.38434	-2.23796	0.026516	0.332026
	0.232048	2.239604	0.026407	0.331621
	0.256251	2.245037	0.026049	0.330279
	-0.1503	-2.23982	0.026393	0.33157
ENSG00000260977;LINC01121	-0.35114	-2.23786	0.026523	0.332026
	0.266882	2.239412	0.02642	0.331654
	0.20445	2.243582	0.026144	0.330717
	0.227344	2.243029	0.026181	0.330919
	-0.23639	-2.2403	0.026361	0.33149
RASGRP3	-0.32105	-2.24296	0.026186	0.330919
	0.20634	2.239467	0.026416	0.331628
	-0.41179	-2.22405	0.027456	0.335507
	-0.32835	-2.24403	0.026115	0.330539
	0.229939	2.241642	0.026272	0.331223
FBLIM1;DNAJC16;DDI2;ZBTB17;PLEKHM2	-0.35444	-2.2376	0.02654	0.332084
	-0.21809	-2.24204	0.026246	0.331134

ENSG00000248445;SEMA6A	0.228075	2.244122	0.026109	0.33051
	0.340242	2.244989	0.026052	0.330289
	0.525163	2.241243	0.026299	0.331351
	0.222589	2.241687	0.026269	0.331204
	-0.16604	-2.24146	0.026285	0.3313
	0.271659	2.246956	0.025923	0.329763
	-0.29727	-2.24346	0.026153	0.330728
	0.216743	2.243169	0.026172	0.330858
	0.207227	2.243197	0.02617	0.330858
	0.191541	2.240868	0.026323	0.331398
	-0.37114	-2.24122	0.0263	0.331351
	-0.19864	-2.2411	0.026308	0.331351
	-0.26791	-2.24277	0.026198	0.330919
ENSG00000257829 ST6GALNAC1	0.192326	2.238459	0.026483	0.331941
	-0.2106	-2.24299	0.026183	0.330919
FSTL3;MISP;PPAP2C;SHC2;ARID3A	0.204661	2.243496	0.02615	0.330717
	-0.19477	-2.23803	0.026512	0.332026
	-0.30128	-2.2406	0.026341	0.331461
LIMS2;GPR17;MYO7B;BIN1;ENSG00000236682	0.313266	2.242105	0.026242	0.331134
	-0.34225	-2.23951	0.026413	0.331621
	-0.31812	-2.2407	0.026334	0.331449
HSPH1	0.148041	2.238105	0.026507	0.332026
	-0.30708	-2.24214	0.026239	0.331134
	-0.26684	-2.24042	0.026353	0.33149
	-0.16322	-2.24233	0.026227	0.331105
ATP6V1D	0.213378	2.243554	0.026146	0.330717
	0.225094	2.244505	0.026084	0.330378
	-0.36978	-2.23974	0.026398	0.331591
	0.311066	2.241624	0.026273	0.331227
HLA-DMA;TAPSAR1;HLA-DMB;HLA-DOA	0.277807	2.244562	0.02608	0.330367
	0.202041	2.237358	0.026556	0.332149
	0.264295	2.241799	0.026262	0.331202
	-0.43232	-2.24016	0.02637	0.33149
TNRC6C;ENSG00000178404;TIMP2	0.218864	2.240135	0.026372	0.33149
	-0.18436	-2.24276	0.026199	0.330919
	-0.23538	-2.24061	0.026341	0.331461
BAK1;DAXX;RPS18;SLC39A7	-0.31143	-2.24191	0.026254	0.331175
	-0.28201	-2.24025	0.026364	0.33149
	-0.27685	-2.24477	0.026066	0.33032
CSMD1;ARHGEF10;CLN8	0.207703	2.237805	0.026527	0.332026
	0.244775	2.241111	0.026307	0.331351
	-0.14631	-2.24203	0.026247	0.331134
	0.273683	2.239512	0.026413	0.331621
SHQ1;PDZRN3	0.161187	2.237546	0.026544	0.3321
	-0.27685	-2.24477	0.026066	0.33032
	0.207703	2.237805	0.026527	0.332026
FUT2;TEAD2;HSD17B14	0.244775	2.241111	0.026307	0.331351
	-0.14631	-2.24203	0.026247	0.331134
	0.273683	2.239512	0.026413	0.331621
	0.161187	2.237546	0.026544	0.3321
UNC13B;STOML2;HINT2;CLTA;TLN1;RUSC2;RECK;VCP;DNAJB5; PIGO;TPM2;GLIPR2	-0.25153	-2.24037	0.026356	0.33149
	0.249855	2.242059	0.026245	0.331134

	-0.16933	-2.2429	0.026189	0.330919
	0.201982	2.243827	0.026128	0.330618
	0.277569	2.236231	0.026631	0.332428
	0.189497	2.242096	0.026242	0.331134
	-0.15158	-2.23801	0.026513	0.332026
	0.33818	2.245222	0.026037	0.330244
	0.212797	2.243936	0.026121	0.330566
	0.271374	2.244568	0.02608	0.330367
	0.200508	2.239902	0.026387	0.331561
	-0.24035	-2.24109	0.026309	0.331351
	0.36577	2.244546	0.026081	0.330367
	-0.22751	-2.24292	0.026188	0.330919
	-0.17726	-2.24194	0.026252	0.331175
IRF8	0.398913	2.245207	0.026038	0.330244
	-0.15796	-2.2364	0.02662	0.332347
ENSG00000254111	0.125039	2.237225	0.026565	0.332196
	0.193601	2.242061	0.026245	0.331134
NIF3L1;SGOL2;KCTD18;AOX1	-0.37612	-2.23931	0.026426	0.331689
	-0.20946	-2.239	0.026447	0.331812
	0.204454	2.240385	0.026355	0.33149
CASZ1	-0.3468	-2.23984	0.026391	0.331561
PIK3R5;PIK3R6;USP43	0.241747	2.239649	0.026404	0.331604
WDR45B;LRRC45;MAFG-AS1	-0.20048	-2.24467	0.026073	0.330346
MEG3;RTL1	0.261076	2.241484	0.026283	0.331286
	-0.2704	-2.24316	0.026172	0.330858
	-0.30392	-2.23274	0.026866	0.333328
KIF21B	0.333668	2.244694	0.026071	0.330346
	-0.25252	-2.23849	0.026481	0.331941
KIF26A;C14orf2;INF2	-0.3008	-2.24258	0.02621	0.33098
SH2D2A;PEAR1;LMNA;EFNA1	-0.29029	-2.23917	0.026436	0.331756
	0.207348	2.242075	0.026244	0.331134
	-0.18718	-2.23908	0.026442	0.331798
	-0.25596	-2.24331	0.026162	0.330788
GRIN2B	0.271162	2.244542	0.026081	0.330367
	-0.24809	-2.23786	0.026523	0.332026
GNA12;CHST12;MAD1L1;IQCE	-0.36788	-2.24063	0.026339	0.331461
	-0.20363	-2.23886	0.026456	0.331863
CALHM2;USMG5;MGEA5;ENSG00000269609;NOLC1	-0.38455	-2.23413	0.026772	0.333043
	0.247529	2.237834	0.026525	0.332026
	-0.21084	-2.24205	0.026245	0.331134
	0.264002	2.244156	0.026107	0.330501
ATF7	0.225127	2.239503	0.026414	0.331621
RAE1;PMEPA1;C20orf85;PPP4R1L	0.35499	2.241293	0.026295	0.331347
HS3ST6	0.436363	2.244098	0.026111	0.33051
	0.223426	2.238653	0.02647	0.331894
	0.232321	2.240154	0.026371	0.33149
UACA;THSD4	-0.33626	-2.23798	0.026515	0.332026

	0.353393	2.24005	0.026377	0.331522
	0.375375	2.243593	0.026144	0.330717
	-0.19809	-2.24373	0.026135	0.330658
	0.286777	2.238203	0.0265	0.332026
NOMO3	-0.30458	-2.24395	0.02612	0.330566
	0.172589	2.236678	0.026602	0.332333
	-0.25277	-2.24378	0.026132	0.330649
PDGFRA;LNX1;LNX1-AS1	0.221208	2.23796	0.026516	0.332026
TTC40;PWWP2B;KNDC1	-0.20812	-2.23774	0.026531	0.332026
	-0.17628	-2.24012	0.026373	0.33149
MRPS15	-0.19166	-2.24025	0.026364	0.33149
SIRPG	-0.31687	-2.24338	0.026157	0.330764
	-0.14541	-2.23781	0.026526	0.332026
	-0.24932	-2.24129	0.026296	0.331347
RASGRP1	0.327114	2.241168	0.026304	0.331351
DUOXA1;DUOX2;SQRD;GATM;DUOX1;DUOXA2	-0.38374	-2.23956	0.02641	0.331621
	0.28176	2.243851	0.026127	0.330607
	-0.15683	-2.24299	0.026184	0.330919
	0.268474	2.240657	0.026337	0.331455
	0.235532	2.24152	0.02628	0.331285
	0.148526	2.240136	0.026372	0.33149
CES1;CCDC135;CES1P1;BBS2;KATNB1;MT3;ENSG00000260438; ENSG00000260467;MT1F;MT1X;MT1G	-0.2901	-2.24098	0.026316	0.331351
	0.218243	2.242886	0.02619	0.330919
CD69	-0.35344	-2.23733	0.026558	0.332149
	-0.13806	-2.23999	0.026381	0.33154
	-0.37162	-2.24029	0.026362	0.33149
	0.276327	2.241054	0.026311	0.331351
	0.220464	2.239673	0.026402	0.331593
	0.395539	2.240842	0.026325	0.33141
	0.146823	2.236641	0.026604	0.332334
PDCD6	0.389456	2.240667	0.026337	0.331455
	-0.25547	-2.24078	0.026329	0.331429
	0.300461	2.242218	0.026234	0.331134
	0.206023	2.243324	0.026161	0.330788
	0.324717	2.238022	0.026512	0.332026
	-0.29575	-2.24269	0.026203	0.330943
	0.221387	2.23927	0.026429	0.331704
	-0.14676	-2.24044	0.026352	0.33149
IFT88;MICU2;LATS2	0.403025	2.243668	0.026139	0.330701
	-0.29675	-2.24175	0.026265	0.331202
EIF5;C14orf2	0.217778	2.240713	0.026334	0.331449
	0.203312	2.24025	0.026364	0.33149
NPEPPS;CALCOCO2;HOXB3;MIR10A;HOXB4;ABI3;NXPH3;HOXB 6;SKAP1;HOXB-AS2;TBKBP1	0.408153	2.240171	0.026369	0.33149
	0.194192	2.240958	0.026317	0.331358

TMEM204;ABCA3;ENSG00000262370;HN1L;ZNF213;PRSS22;P AQR4;SRRM2;PKD1;PDPK1;TRAF7;TSC2;TBC1D24 C5orf42	-0.41237	-2.24159	0.026276	0.331246
	0.265736	2.234714	0.026733	0.3329
	-0.15975	-2.23572	0.026665	0.332651
	0.164957	2.237778	0.026528	0.332026
	0.322277	2.237647	0.026537	0.332065
ARHGEF10;ERICH1 CA12;HERC1	-0.32492	-2.24212	0.026241	0.331134
	-0.37551	-2.23928	0.026429	0.331704
	-0.21819	-2.23913	0.026438	0.331778
	0.205082	2.240568	0.026343	0.331461
	0.152486	2.238814	0.026459	0.331864
FAM86JP ITGAL;ZNF629;CORO1A;ZNF48;ZNF768	-0.3031	-2.24502	0.02605	0.330279
	-0.28051	-2.24443	0.026089	0.330387
	-0.1605	-2.24042	0.026353	0.33149
	-0.34833	-2.24302	0.026182	0.330919
SAMD9L CNDP2 PDCD6;NKD2 ZNF141	-0.35421	-2.23986	0.02639	0.331561
	0.281924	2.239876	0.026389	0.331561
	0.276441	2.242721	0.026201	0.330941
	0.404604	2.240563	0.026343	0.331461
	-0.22624	-2.23563	0.026671	0.332684
	0.228908	2.236704	0.0266	0.332326
	0.107846	2.242103	0.026242	0.331134
	0.224359	2.235491	0.026681	0.33271
	-0.32757	-2.24223	0.026233	0.331134
	0.276448	2.240593	0.026342	0.331461
	0.272615	2.237696	0.026534	0.332043
ANKDD1B	-0.43566	-2.24172	0.026267	0.331202
	0.249713	2.243293	0.026163	0.330788
	0.240699	2.242305	0.026228	0.33111
	0.20024	2.239963	0.026383	0.33154
	0.231631	2.240871	0.026323	0.331398
	-0.23157	-2.24074	0.026332	0.331449
	0.236351	2.234851	0.026724	0.3329
	0.303176	2.243624	0.026142	0.330717
	-0.13401	-2.23656	0.026609	0.332337
	-0.29627	-2.23683	0.026592	0.332321
ENSG00000272721;ENSG00000273181 CACNA1G	-0.13354	-2.23901	0.026447	0.331812
	-0.17708	-2.23835	0.02649	0.331985
	0.208308	2.23695	0.026584	0.332304
CTSS;SEMA6C;POGZ	0.248429	2.241351	0.026291	0.331338
	0.2496	2.236602	0.026607	0.332334
CD59;EHF;ABTB2 ENSG00000231057;FLVCR1;LINC00467;NEK2;TATDN3	-0.24123	-2.23415	0.026771	0.333043
	-0.24091	-2.2366	0.026607	0.332334
	0.197772	2.237497	0.026547	0.332105
	0.18375	2.242267	0.026231	0.331133
	-0.14951	-2.24107	0.02631	0.331351
CTSV;HABP4;PTCH1;ZNF367;SLC35D2	-0.57982	-2.24171	0.026267	0.331202

	-0.25431	-2.24031	0.026361	0.33149
	0.276752	2.241766	0.026264	0.331202
	0.110375	2.237948	0.026517	0.332026
HECTD2;KIF11	-0.26741	-2.23515	0.026704	0.332796
FOXA2	-0.3388	-2.23654	0.026611	0.332347
MRPS15	-0.33571	-2.2397	0.0264	0.331591
	-0.28297	-2.2383	0.026494	0.332006
CACNA1A;ASF1B	0.265483	2.239917	0.026386	0.331561
P2RX4;CLIP1;P2RX7	0.321803	2.241561	0.026278	0.33126
	0.197523	2.238521	0.026479	0.331941
LTB;GPSM3;C4A	-0.21841	-2.24345	0.026153	0.330728
SLFN12L;ENSG00000267554;ENSG00000267369;CCL5;ENSG00000267074;GAS2L2	0.271098	2.240546	0.026345	0.331461
	0.217742	2.238472	0.026482	0.331941
GPR124;TACC1;DDHD2;FGFR1;PPAPDC1B;PLEKHA2	-0.253	-2.23849	0.026481	0.331941
	0.216493	2.238634	0.026471	0.331894
	0.303071	2.240038	0.026378	0.331522
	0.253124	2.239843	0.026391	0.331561
	0.147257	2.234139	0.026771	0.333043
	-0.22298	-2.24124	0.026299	0.331351
NBEA	-0.25813	-2.23226	0.026898	0.33345
AHCYL2	-0.18952	-2.2367	0.0266	0.332326
	0.098013	2.239398	0.026421	0.331657
	0.283303	2.240995	0.026315	0.331351
	0.256625	2.237374	0.026555	0.332149
BIN2;ASIC1	-0.29464	-2.24078	0.026329	0.331429
	-0.22558	-2.2392	0.026434	0.331742
	0.171178	2.241938	0.026253	0.331175
	-0.25481	-2.23679	0.026594	0.332326
ENSG00000228878;ANLN	-0.37542	-2.23986	0.02639	0.331561
	0.194096	2.241028	0.026313	0.331351
	-0.18496	-2.24026	0.026363	0.33149
	0.178434	2.241316	0.026294	0.331347
C6orf10	0.182525	2.237063	0.026576	0.33224
	-0.38454	-2.23945	0.026417	0.331632
	0.124638	2.241795	0.026262	0.331202
	0.212801	2.239899	0.026387	0.331561
	-0.16335	-2.23911	0.02644	0.331793
	0.229302	2.240487	0.026349	0.33149
	0.227805	2.241495	0.026282	0.331286
	0.280218	2.237864	0.026523	0.332026
	-0.23842	-2.24077	0.02633	0.331429
BIK;SCUBE1;ARFGAP3;SMDT1;XRCC6;CENPM;MCAT	-0.22044	-2.23938	0.026422	0.331659
DNM1P46	0.35227	2.23996	0.026383	0.33154
	0.172523	2.238757	0.026463	0.331869
	-0.17715	-2.22961	0.027077	0.334168
	-0.20902	-2.23458	0.026742	0.3329



RNF213;BAIAP2	0.314296	2.238068	0.026509	0.332026
	-0.26123	-2.23472	0.026732	0.3329
ARHGEF10	0.209099	2.234421	0.026753	0.332968
	0.23485	2.240718	0.026333	0.331449
	0.222368	2.231299	0.026963	0.333683
ADAMTS9-AS2;ENSG00000224479	-0.33213	-2.2388	0.02646	0.331864
	0.296958	2.240165	0.02637	0.33149
TAP2;HCP5;TAP1;HLA-DMA;HLA-B;HLA-DMB;HLA-DOA;PSMB9;HLA-DPB1;HLA-DPA1;HLA-DRA;HLA-DQA2;RING1;TAPSAR1	0.259188	2.242477	0.026217	0.331036
	0.355842	2.242412	0.026221	0.331071
	0.306529	2.239723	0.026399	0.331591
LSP1;C11orf89;TSPAN32;C11orf21	-0.3512	-2.24293	0.026187	0.330919
	0.126554	2.230014	0.02705	0.334059
CSF1;LAMTOR5	0.279164	2.239498	0.026414	0.331621
	-0.15699	-2.24138	0.02629	0.331335
ADAMTS9-AS2	-0.3565	-2.23512	0.026706	0.332796
	0.35766	2.241132	0.026306	0.331351
MCM5	-0.18488	-2.24033	0.026359	0.33149
	-0.18148	-2.23282	0.02686	0.333305
TMEM255B;GAS6;RASA3	-0.25715	-2.23872	0.026465	0.33188
	PRCP	0.265151	2.239023	0.026446
PPM1H	0.331812	0.196948	2.233355	0.026824
	0.333141	0.17518	2.237888	0.026521
	0.332026	0.16176	2.237622	0.026539
	0.332075	-0.29576	-2.241	0.026315
	0.331351	-0.22549	-2.23501	0.026713
	0.332822	0.250317	2.238786	0.026461
	0.331864	0.27808	2.234536	0.026745
	0.332921	-0.16224	-2.23771	0.026533
	0.332038	0.131464	2.236719	0.026599
	0.332326	0.271037	2.236424	0.026619
	0.332347	-0.25803	-2.23562	0.026672
	0.332684	0.29669	2.236671	0.026602
	0.332333	0.285456	2.240206	0.026367
	0.33149	-0.21208	-2.23951	0.026413
	0.331621	0.164886	2.23486	0.026723
MOB3A;S1PR4	0.3329	0.207448	2.241702	0.026268
	0.331202	0.413939	2.238068	0.026509
ISL1;ENSG00000259663	0.332026	0.154876	2.236067	0.026642
	0.332468	HELLS	-0.29493	-2.23979
HELLS	0.33157	-0.21003	-2.23405	0.026394
	0.333048	0.111444	2.235462	0.026778
	0.33271	0.155704	2.237476	0.02683
	0.332105	-0.29785	-2.23598	0.026548
	0.332514	0.103486	2.235264	0.026648
	0.332796	ELOVL5;LRRC1;PAQR8;TMEM14A	0.221127	2.235226
	0.332796		0.026699	

MALRD1	-0.16877	-2.23522	0.026699	0.332796
	-0.33471	-2.23844	0.026484	0.331941
	-0.16998	-2.23717	0.026569	0.332212
	0.211911	2.237197	0.026567	0.332196
SHE;ATP8B2;TDRD10;NPR1;S100A6;GATAD2B;S100A13;SNAPIN CALM2;EPCAM;LHCGR;ENSG00000260977	-0.2993	-2.23305	0.026845	0.333218
	-0.32117	-2.2389	0.026454	0.331859
	0.240506	2.230469	0.027019	0.333885
	0.128961	2.234601	0.026741	0.3329
	0.209829	2.234058	0.026777	0.333048
	-0.2454	-2.24127	0.026297	0.331347
	0.199993	2.238206	0.0265	0.332026
	0.2463	2.239971	0.026383	0.33154
	0.197219	2.236237	0.026631	0.332428
	0.201826	2.236976	0.026582	0.332293
REV3L IFI16	0.250665	2.232715	0.026867	0.333328
	0.117417	2.236462	0.026616	0.332347
	0.283835	2.237812	0.026526	0.332026
	0.157575	2.235021	0.026712	0.332822
EFHD1;ATG16L1;MSL3P1	0.411922	2.229346	0.027095	0.33423
	-0.19179	-2.2364	0.02662	0.332347
	-0.33408	-2.23205	0.026912	0.333491
KLHL42;PPFIBP1;ENSG00000248100;ENSG00000247934;ENSG 00000256056	0.312061	2.228654	0.027142	0.334341
	0.203653	2.235372	0.026689	0.332737
EPHB4;RABL5;FAM200A;PLOD3;AP1S1	0.153238	2.233088	0.026842	0.333218
	-0.24332	-2.23819	0.026501	0.332026
CDC20B;ENSG00000264281 MFNG;CSF2RB;RAC2;CYTH4;IL2RB;C22orf23;NCF4	0.483961	2.236876	0.026588	0.332321
	0.315039	2.235919	0.026652	0.332543
	-0.23159	-2.23906	0.026443	0.331798
	0.353472	2.23747	0.026549	0.332105
	-0.24862	-2.23246	0.026885	0.333393
	-0.31405	-2.23908	0.026442	0.331798
	-0.19178	-2.22995	0.027054	0.334059
	0.287782	2.240547	0.026345	0.331461
	-0.25132	-2.23949	0.026415	0.331621
	0.141917	2.233744	0.026798	0.333105
	-0.39587	-2.23349	0.026815	0.333141
	0.205789	2.237967	0.026516	0.332026
EMCN;DAPP1;DDIT4L;ADH1B;MTTP;METAP1;TRMT10A CACNA1C	0.267852	2.238762	0.026463	0.331869
	0.199548	2.237948	0.026517	0.332026
	-0.33141	-2.23609	0.026641	0.332459
	0.268561	2.234654	0.026737	0.3329
	-0.2526	-2.23787	0.026522	0.332026
	-0.2036	-2.23869	0.026467	0.331883
RUFY4 FPR3	0.266733	2.241156	0.026304	0.331351
	-0.33917	-2.23366	0.026804	0.333121

	0.252271	2.237112	0.026573	0.332232
	0.242065	2.23462	0.026739	0.3329
	-0.17118	-2.2397	0.026401	0.331591
DEGS2	0.303523	2.23864	0.026471	0.331894
	-0.37248	-2.23467	0.026736	0.3329
MAP3K9;TTC9;SLC8A3;EXD2	0.323446	2.233868	0.02679	0.333095
ATP6V1D	-0.33604	-2.23619	0.026634	0.332439
	-0.1881	-2.23506	0.02671	0.332822
	-0.16993	-2.23641	0.026619	0.332347
ADAM8	0.548737	2.236587	0.026608	0.332334
CLIP1	-0.32761	-2.2357	0.026667	0.332661
	-0.26402	-2.24024	0.026365	0.33149
	0.318204	2.240205	0.026367	0.33149
	-0.20404	-2.23674	0.026598	0.332326
	-0.20388	-2.23644	0.026617	0.332347
	0.315164	2.238701	0.026467	0.331883
	-0.27688	-2.23646	0.026616	0.332347
LINC00578	0.241031	2.231001	0.026983	0.333751
PEG3;ZNF154	0.303131	2.240073	0.026376	0.331522
	-0.36881	-2.23823	0.026499	0.332026
	0.193336	2.23198	0.026917	0.333498
	-0.32682	-2.23934	0.026424	0.331674
	0.294418	2.241747	0.026265	0.331202
	-0.53161	-2.23461	0.02674	0.3329
ENSG00000222489	-0.17877	-2.23694	0.026584	0.332304
	0.309377	2.237802	0.026527	0.332026
	0.235737	2.237751	0.02653	0.332026
	0.277192	2.232828	0.02686	0.333305
SHANK2;SHANK2-AS2;SHANK2-AS3	0.221342	2.238791	0.026461	0.331864
	-0.2345	-2.23475	0.02673	0.3329
COPS6	-0.27947	-2.2398	0.026394	0.33157
PRKCQ;IL2RA;IL15RA;ENSG00000215244	0.313774	2.238541	0.026478	0.331941
	-0.16277	-2.23515	0.026704	0.332796
B3GALT1;HSPH1	-0.2527	-2.22329	0.027508	0.335716
	-0.21556	-2.23845	0.026484	0.331941
	-0.19931	-2.23538	0.026688	0.332737
	0.229847	2.238262	0.026496	0.332026
	-0.20747	-2.23882	0.026459	0.331864
	0.163992	2.236356	0.026623	0.332347
	0.183877	2.235493	0.026681	0.33271
	0.240428	2.240997	0.026315	0.331351
ENSG00000232059	-0.29966	-2.23347	0.026817	0.333141
	-0.23815	-2.23406	0.026777	0.333048
HIST1H2BB;HIST1H4C;HIST1H4H;HMGNA4	0.310739	2.237582	0.026541	0.332089
	-0.20999	-2.23331	0.026827	0.333143
DENND1C;FUT3;PTPRS;FUT6	-0.24308	-2.23748	0.026548	0.332105
	0.263659	2.233355	0.026824	0.333141

IFT20	0.223909	2.236498	0.026614	0.332347
	0.250534	2.238437	0.026484	0.331941
	-0.16068	-2.23602	0.026645	0.332485
	-0.23022	-2.23653	0.026612	0.332347
SEC14L5;UBN1	0.223825	2.237647	0.026537	0.332065
	0.280037	2.233974	0.026783	0.333071
	-0.14758	-2.23704	0.026578	0.332251
	0.218398	2.237205	0.026566	0.332196
ENSG00000272221	-0.2431	-2.22654	0.027285	0.334841
	0.166125	2.235822	0.026659	0.332595
	-0.28481	-2.23866	0.02647	0.331894
	0.221476	2.238311	0.026493	0.332006
CSF1;DRAM2;GSTM5;ENSG00000261654;LAMTOR5;LAMTOR5-AS1	0.238765	2.23679	0.026594	0.332326
	0.16887	2.235131	0.026705	0.332796
	-0.21094	-2.23116	0.026972	0.333717
	-0.35823	-2.23707	0.026576	0.33224
HRH1;TIMP4	-0.27589	-2.23162	0.026941	0.33359
	0.273723	2.233673	0.026803	0.333121
	-0.31932	-2.23671	0.026599	0.332326
	-0.28721	-2.23615	0.026637	0.332439
GALNT16	0.132816	2.237965	0.026516	0.332026
	-0.16035	-2.23382	0.026793	0.333095
	-0.26143	-2.23572	0.026666	0.332651
	0.213745	2.236623	0.026605	0.332334
TM7SF2	-0.21759	-2.24039	0.026355	0.33149
	0.228184	2.237091	0.026574	0.332236
	-0.30287	-2.23268	0.02687	0.333331
	0.175214	2.238553	0.026477	0.331941
STARD9	0.231636	2.236162	0.026636	0.332439
	0.181654	2.237356	0.026556	0.332149
	0.151063	2.236352	0.026623	0.332347
	0.256225	2.236764	0.026596	0.332326
ITGB7	-0.23435	-2.2334	0.026821	0.333141
	0.208966	2.236844	0.026591	0.332321
	0.270216	2.235015	0.026713	0.332822
	0.131271	2.236577	0.026608	0.332334
BUD31;BAIAP2L1;GAL3ST4;ZNF3;ARPC1A;LAMTOR4;ZKSCAN1;ATP5J2	0.254022	2.234409	0.026753	0.332968
	-0.17832	-2.23138	0.026958	0.333662
	0.282918	2.236108	0.02664	0.332453
	0.171691	2.235472	0.026682	0.33271
TPPP;MIR4635	-0.20623	-2.23153	0.026947	0.333609
	0.197154	2.237778	0.026528	0.332026
	-0.22673	-2.23363	0.026805	0.333121
	-0.40622	-2.23884	0.026458	0.331864
CELSR1				
PTCH2				
TSPAN4;IFITM2;LSP1;IFITM3;ATHL1;ENSG00000251661;C11orf89;MRPL23;MOB2;IFITM1;DEAF1				

SPINT2;PSMC4;HNRNPL;ZNF780B;PSMD8;EIF3K;FBXO27 TM6SF1;ENSG00000259328	0.213982	2.237977	0.026515	0.332026
	0.232804	2.23756	0.026543	0.332098
	-0.38815	-2.23889	0.026454	0.331859
	-0.15928	-2.23458	0.026742	0.3329
FAM166A	0.158549	2.233989	0.026782	0.333071
	-0.29272	-2.23872	0.026466	0.33188
BLK;ENSG00000269918	0.173497	2.230161	0.02704	0.33403
	0.290522	2.232496	0.026882	0.333393
	0.174036	2.237255	0.026563	0.332187
	0.174077	2.235863	0.026656	0.33257
	0.235502	2.232459	0.026884	0.333393
	0.165984	2.233031	0.026846	0.333218
COA1	-0.271	-2.23593	0.026652	0.332543
	-0.18906	-2.23323	0.026832	0.333164
RAB3IL1;FADS3;SCGB2A1;TMEM258;TMEM216;EML3;C11orf4 8;DDB1;DAK;LRRN4CL;LRRC10B;INTS5;PPP1R32;FADS2;CYB561 A3;ZBTB3	0.319005	2.234729	0.026732	0.3329
	-0.17138	-2.23686	0.026589	0.332321
INSC IGHG2;KIF26A;IGHA2 FOXF2	0.286209	2.233367	0.026823	0.333141
	-0.27372	-2.23789	0.026521	0.332026
	0.26369	2.233814	0.026793	0.333095
PTPRB;TSPAN8;TMEM19	0.20703	2.239029	0.026445	0.331812
	0.312411	2.232835	0.026859	0.333305
	-0.27654	-2.23636	0.026623	0.332347
MCM5;APOL2;APOL1;APOL6;APOL3	-0.18886	-2.23077	0.026999	0.333843
	-0.27736	-2.23517	0.026702	0.332796
	0.216241	2.234275	0.026762	0.333023
ITGAL;CORO1A;ZNF629;ENSG00000260219 SCRG1	0.312522	2.233606	0.026807	0.333135
	-0.2771	-2.23618	0.026635	0.332439
	-0.38032	-2.23473	0.026732	0.3329
NTF3	-0.21886	-2.23108	0.026978	0.333747
	0.174224	2.236706	0.0266	0.332326
	0.166307	2.230639	0.027007	0.333885
IL8	-0.26559	-2.22436	0.027435	0.33539
	-0.25829	-2.23732	0.026559	0.332149
	0.235245	2.236769	0.026596	0.332326
AKT3;C1orf101;ZBTB18 ENSG00000233178;PGM5;MAMDC2;TMEM252;ENSG0000022 9019;FAM189A2	0.285571	2.23659	0.026607	0.332334
	-0.28029	-2.2275	0.02722	0.334707
	0.291349	2.232912	0.026854	0.333288
CACNA1C;CACNA1C-AS4;ENSG00000250132;ERC1	-0.20292	-2.2384	0.026487	0.331955
	0.22647	2.235221	0.026699	0.332796
	0.351907	2.234147	0.026771	0.333043
	0.18883	2.237288	0.026561	0.332169
	0.216216	2.231214	0.026968	0.333709
C22orf34;MAPK12;ENSG00000235111;SHANK3	0.27897	2.233646	0.026805	0.333121
	-0.23674	-2.23483	0.026725	0.3329

	0.230343	2.236826	0.026592	0.332321
	-0.26006	-2.23208	0.02691	0.333491
	-0.20708	-2.23363	0.026805	0.333121
	0.224842	2.234109	0.026774	0.333048
	-0.24645	-2.23797	0.026515	0.332026
	0.198951	2.236867	0.026589	0.332321
	0.308536	2.237337	0.026558	0.332149
	0.156245	2.233832	0.026792	0.333095
ENSG00000273179;TACC3	-0.29105	-2.23662	0.026606	0.332334
	0.309859	2.237198	0.026567	0.332196
	0.241239	2.233929	0.026786	0.333071
	-0.29586	-2.23332	0.026827	0.333143
	0.268128	2.232953	0.026851	0.333273
	0.194394	2.235451	0.026684	0.33271
	-0.24149	-2.23448	0.026748	0.332954
MARVELD1;LOXL4;MORN4;HPS1;HOGA1;LCOR	-0.32175	-2.23563	0.026672	0.332684
NRROS;ENSG00000224769;ENSG00000227433;SDHAP1	-0.22155	-2.23645	0.026617	0.332347
	0.20667	2.237787	0.026528	0.332026
	0.187594	2.234246	0.026764	0.333027
CSRNP3;SCN7A;GALNT3	-0.35602	-2.23825	0.026497	0.332026
	-0.22458	-2.23523	0.026698	0.332796
DNPEP	-0.65743	-2.23751	0.026546	0.332105
	-0.2933	-2.23351	0.026814	0.333141
	0.225843	2.230857	0.026993	0.333814
RBM33	-0.37049	-2.23688	0.026588	0.332321
	0.192235	2.233577	0.026809	0.333139
HSPH1;LINC00365;UBL3;MEDAG	0.378525	2.234154	0.026771	0.333043
LEMD3	0.169091	2.232102	0.026909	0.333491
	-0.13733	-2.23125	0.026966	0.333701
	0.345719	2.229477	0.027086	0.334201
	-0.59669	-2.23504	0.026711	0.332822
	0.221618	2.235505	0.02668	0.33271
	-0.26261	-2.23321	0.026834	0.333166
C17orf59;PHF23;KDM6B	-0.32328	-2.23603	0.026645	0.332485
SCCPDH	-0.37802	-2.22985	0.02706	0.334059
	-0.30662	-2.23425	0.026764	0.333027
	0.219668	2.228333	0.027164	0.334395
	0.210651	2.235205	0.0267	0.332796
EHF;ENSG00000184566	-0.40474	-2.23392	0.026787	0.333071
	0.208892	2.234712	0.026733	0.3329
FGF2	-0.34661	-2.23376	0.026797	0.333105
	0.134714	2.23778	0.026528	0.332026
	-0.17005	-2.23419	0.026768	0.333043
	-0.1803	-2.23331	0.026827	0.333143
	-0.19781	-2.2322	0.026902	0.333451
	-0.40567	-2.22983	0.027062	0.334059
	0.253219	2.238422	0.026485	0.331943

ESRP1;GEM;ENSG00000253878;TMEM67;INTS8 NME4;ENSG00000196674;TPSB2	-0.3632	-2.23734	0.026558	0.332149
	0.265181	2.234006	0.02678	0.333071
	-0.22881	-2.23396	0.026784	0.333071
	0.196	2.231192	0.02697	0.333709
CAMK2N1;NBL1	0.194011	2.230834	0.026994	0.333816
	-0.30233	-2.23156	0.026945	0.333609
	0.169467	2.232715	0.026867	0.333328
	0.235623	2.232917	0.026854	0.333288
C11orf16;DENND5A	0.238805	2.230547	0.027013	0.333885
	0.283963	2.234097	0.026774	0.333048
	-0.21482	-2.23129	0.026963	0.333683
	0.103887	2.227735	0.027204	0.334623
BNIP1;RPL26L1;STC2 HIST3H2A;CCSAP	-0.26842	-2.23328	0.026829	0.333148
	-0.3073	-2.23278	0.026863	0.333324
	0.140812	2.234435	0.026752	0.332966
	0.270652	2.235474	0.026682	0.33271
FER1L6	-0.32184	-2.23272	0.026867	0.333328
	0.293787	2.236463	0.026616	0.332347
	0.207213	2.232885	0.026856	0.333301
	0.260442	2.232542	0.026879	0.333375
KRT80;ITGB7;KRT18;KRT8 ENSG00000253811;ENSG00000253456;EBF1;RNF145 ENSG00000272008	0.237926	2.235187	0.026701	0.332796
	-0.40607	-2.2346	0.026741	0.3329
	0.249996	2.233766	0.026797	0.333105
	0.118825	2.229038	0.027116	0.33431
PTPN3	-0.22844	-2.23468	0.026736	0.3329
	-0.32371	-2.22858	0.027147	0.334352
	0.332534	2.23428	0.026762	0.333023
	0.249337	2.231417	0.026955	0.333647
RAB20;COL4A2 PLAG1 THYN1 TTYH3	-0.17183	-2.23637	0.026622	0.332347
	-0.18007	-2.23053	0.027014	0.333885
	-0.1531	-2.2326	0.026875	0.333349
	-0.29293	-2.22981	0.027064	0.334059
AAGAB;RAB11A;SMAD6;ZWILCH;SNAPC5;SMAD3	0.497197	2.232454	0.026885	0.333393
	-0.33109	-2.23201	0.026915	0.333491
	0.221585	2.234285	0.026762	0.333023
	0.261372	2.230517	0.027016	0.333885
SPSB1;PGD;PIK3CD SMG7;IVNS1ABP;ENSG00000273004;TRMT1L	-0.39773	-2.23615	0.026637	0.332439
	-0.21972	-2.22756	0.027216	0.334686
	-0.22746	-2.23711	0.026573	0.332232
	-0.25581	-2.23339	0.026822	0.333141
	0.206306	2.230109	0.027043	0.334044
	-0.33985	-2.23515	0.026704	0.332796
	0.28595	2.22885	0.027129	0.334327
	0.29855	2.234652	0.026737	0.3329
	0.5678	2.236515	0.026613	0.332347
	0.264477	2.229682	0.027072	0.334142
	0.191344	2.2334	0.026821	0.333141

HCP5	-0.24869	-2.23613	0.026638	0.332445
CARKD	-0.13484	-2.2338	0.026794	0.333095
HCP5;PPP1R18;LTB;HLA-E;HLA-B;LST1;HCG4;HLA-C;MICB	-0.3414	-2.23223	0.0269	0.33345
	0.289796	2.235865	0.026656	0.33257
	0.272295	2.227601	0.027213	0.334678
	0.170124	2.233357	0.026824	0.333141
	0.151881	2.234676	0.026735	0.3329
	0.295555	2.233073	0.026843	0.333218
SOBP	-0.16222	-2.23099	0.026984	0.333751
KIF21B	0.373024	2.237395	0.026554	0.332149
	0.204061	2.234815	0.026726	0.3329
	0.201814	2.228865	0.027127	0.334327
	0.120301	2.235423	0.026686	0.332724
DIAPH1;PCDHGA2;PCDHB7	0.215963	2.22836	0.027162	0.334395
	-0.26813	-2.23468	0.026736	0.3329
TRPC6;BIRC2;PGR	0.223744	2.234169	0.026769	0.333043
SLFN13	0.270739	2.233566	0.02681	0.333139
	-0.14876	-2.22997	0.027053	0.334059
	-0.26358	-2.23306	0.026844	0.333218
	0.286944	2.233825	0.026793	0.333095
	-0.19218	-2.23393	0.026785	0.333071
GRID1	0.219231	2.231476	0.026951	0.333617
TMEM64	-0.24156	-2.23445	0.026751	0.332965
TLCD2	-0.20223	-2.23191	0.026922	0.333498
	0.223038	2.232311	0.026894	0.33345
	-0.20262	-2.2322	0.026902	0.333451
LPXN;UBE2L6	-0.3777	-2.23749	0.026548	0.332105
METTTL2A;ACE;MRC2;MAP3K3	-0.36017	-2.23364	0.026805	0.333121
	0.224594	2.233187	0.026836	0.333175
	0.282469	2.226907	0.027261	0.334841
	-0.20535	-2.23622	0.026632	0.332429
TRNT1	-0.1859	-2.23242	0.026887	0.333403
CCR5;XCR1;CXCR6;LZTFL1;CCR2	0.304021	2.232553	0.026878	0.333375
	0.129392	2.228774	0.027134	0.334341
MOB3A;S1PR4;ZNF57	0.265884	2.235721	0.026666	0.332651
	-0.24657	-2.2315	0.026949	0.333609
	0.20263	2.234453	0.02675	0.332965
SKI;MXRA8;VWA1;ENSG00000269896;ANKRD65;C1orf222;TTLL10;MORN1;ENSG00000272106;CALML6;TTLL10-AS1;TTC34;ENSG00000271847;FAM213B	-0.25972	-2.23226	0.026898	0.33345
	0.267293	2.23561	0.026673	0.332684
	0.143132	2.227747	0.027203	0.334623
TTC7B;CALM1;FBLN5;TC2N;CCDC88C;NDUFB1	-0.29356	-2.23038	0.027025	0.333922
	0.20371	2.235393	0.026687	0.332737
CTTN;MRGPRF	-0.58352	-2.22937	0.027093	0.33423
ENSG00000205037	-0.18099	-2.22995	0.027054	0.334059



GPNMB;RAPGEF5;ENSG00000228649	0.341935	2.235051	0.02671	0.332822
	-0.3088	-2.23151	0.026949	0.333609
	-0.34344	-2.22568	0.027344	0.335052
RUNX1;CLIC6;ENSG00000221398	-0.30512	-2.23286	0.026857	0.333305
ENSG00000180672;NRP2;ENSG00000225216	-0.23675	-2.23391	0.026787	0.333071
TAP2	0.276041	2.231821	0.026927	0.333503
	0.306905	2.233235	0.026832	0.333164
EFCAB4B	0.235062	2.228825	0.02713	0.334338
	-0.24871	-2.23249	0.026882	0.333393
	-0.17497	-2.22572	0.027342	0.335042
	0.174996	2.235147	0.026704	0.332796
	-0.43207	-2.23316	0.026838	0.333192
EGFL7;GPSM1;SETP5;UAP1L1;LCNL1	0.233149	2.232678	0.02687	0.333331
	0.193062	2.226799	0.027268	0.334841
	-0.19352	-2.23063	0.027008	0.333885
ALG1L;UMPS	0.219778	2.230706	0.027003	0.333875
	-0.23414	-2.22804	0.027184	0.334503
GPATCH8	-0.2581	-2.23348	0.026816	0.333141
	0.212137	2.235542	0.026678	0.33271
TEX41;ZEB2	-0.30551	-2.22911	0.027111	0.33431
	-0.2914	-2.23091	0.026989	0.333787
	0.205114	2.231688	0.026936	0.333556
	0.31122	2.233747	0.026798	0.333105
	0.228647	2.233811	0.026794	0.333095
	-0.22754	-2.23206	0.026911	0.333491
	-0.1691	-2.23236	0.026891	0.333424
	0.152409	2.234969	0.026716	0.33285
KLF4	-0.44905	-2.23286	0.026858	0.333305
SHE;ASH1L;TDRD10;ATP8B2;SYT11;MTX1;C1orf43;SLC50A1;HAX1;TPM3;ARHGEF2;FAM189B;DAP3;CKS1B;UBE2Q1;HCN3;FLAD1	-0.27209	-2.22838	0.02716	0.334395
	0.242591	2.225384	0.027365	0.33513
	0.302507	2.234091	0.026775	0.333048
UBE2G2;C21orf33	-0.48461	-2.23557	0.026676	0.332709
	-0.16175	-2.2273	0.027234	0.33475
	0.405513	2.23158	0.026944	0.333609
	-0.18319	-2.22928	0.027099	0.334254
	0.246352	2.23224	0.026899	0.33345
DNAH6;RNF181;DUXAP1;CAPG;TRABD2A;RETSAT;LDHAP7	0.148592	2.231646	0.026939	0.333581
	-0.21679	-2.23459	0.026742	0.3329
TCP11L2	-0.25157	-2.22823	0.027171	0.334442
	-0.17001	-2.23684	0.026591	0.332321
	0.229389	2.230992	0.026983	0.333751
NRROS;KIAA0226;BDH1	0.458248	2.231451	0.026952	0.333628
RN7SKP71	-0.16121	-2.23489	0.026721	0.332897
WNK2	0.269005	2.229443	0.027088	0.33421

ENSG00000264198;IKZF3;ERBB2;RARA FAM111A	0.161927	2.22927	0.0271	0.334254
	0.165669	2.229898	0.027057	0.334059
	-0.68654	-2.22925	0.027101	0.334254
	-0.28798	-2.23477	0.026729	0.3329
	0.15462	2.225582	0.027351	0.335072
HMGA2 ATM SORBS1;ENSG00000231829	-0.24494	-2.23203	0.026913	0.333491
	0.315636	2.232713	0.026867	0.333328
	-0.37515	-2.23513	0.026705	0.332796
	-0.33592	-2.23437	0.026756	0.332994
	0.350796	2.229049	0.027115	0.33431
	-0.24639	-2.23134	0.02696	0.333668
	-0.16784	-2.22992	0.027056	0.334059
	0.234573	2.231545	0.026946	0.333609
	-0.2977	-2.23268	0.026869	0.333331
	0.297204	2.231048	0.02698	0.33375
CBFA2T3;ENSG00000261226;ENSG00000259881;RNF166;ENS G00000224888;SPIRE2;PIEZO1;ENSG00000260923	0.20438	2.233378	0.026823	0.333141
	-0.24701	-2.23195	0.026919	0.333498
	-0.38028	-2.22807	0.027181	0.334493
	-0.31533	-2.23355	0.026811	0.333141
	0.278316	2.225373	0.027365	0.33513
HNRNPA1P14;C9orf47;S1PR3	-0.21546	-2.23184	0.026926	0.333498
PLXND1;ENSG00000244300;GATA2;RPN1	-0.19818	-2.2299	0.027057	0.334059
	0.249213	2.233437	0.026819	0.333141
HBB	0.260034	2.223599	0.027487	0.335584
	-0.22232	-2.23139	0.026957	0.333662
PPM1M;SFMBT1;POC1A;NEK4;PCBP4;SEMA3G;STAB1	-0.33506	-2.23525	0.026697	0.332796
	0.305812	2.23049	0.027017	0.333885
CERK;ENSG00000234869	-0.26127	-2.23134	0.02696	0.333668
	0.154509	2.225414	0.027363	0.33513
ENSG00000223528;DOCK1 HIF3A;NOVA2;DACT3	-0.23177	-2.22539	0.027364	0.33513
	0.184729	2.228159	0.027175	0.334456
FAM86JP;ALG1L	0.271144	2.234889	0.026721	0.332897
	0.13712	2.227245	0.027238	0.334764
	-0.34541	-2.23126	0.026965	0.333701
CYP2W1;PSMG3	-0.19785	-2.23185	0.026926	0.333498
	-0.31469	-2.23406	0.026777	0.333048
SULT1A1;NUPR1;NPIP6	0.272949	2.233592	0.026808	0.333137
	-0.37026	-2.23047	0.027019	0.333885
	-0.24006	-2.2312	0.02697	0.333709
CCM2L	0.122018	2.230338	0.027028	0.333941
	-0.19176	-2.23177	0.026931	0.333524
	-0.15511	-2.23303	0.026846	0.333218
SNCG	0.210082	2.229888	0.027058	0.334059
	-0.19491	-2.22794	0.02719	0.334519
LAPTM4B;C8orf47	0.198796	2.220041	0.027732	0.336699
	-0.28637	-2.22987	0.027059	0.334059

ENSG00000272005 MTHFSD	-0.18825	-2.2305	0.027017	0.333885
	-0.28153	-2.22836	0.027162	0.334395
	-0.20912	-2.23457	0.026743	0.332904
	-0.22237	-2.23185	0.026926	0.333498
	0.315312	2.23179	0.02693	0.333519
ENSG00000272079;CLDN9;ZNF213;SLC9A3R2 ASAP1	0.217753	2.22611	0.027315	0.334916
	0.17035	2.228625	0.027144	0.334341
	-0.1656	-2.22826	0.027169	0.334442
	-0.25394	-2.23203	0.026913	0.333491
	-0.20631	-2.23373	0.026799	0.333105
NLRC5	0.231631	2.232273	0.026897	0.33345
	0.201399	2.232642	0.026872	0.333339
	-0.30973	-2.23427	0.026762	0.333023
	0.226334	2.231745	0.026933	0.333524
	-0.26755	-2.22734	0.027231	0.33475
TBCAP2	0.149763	2.229487	0.027085	0.334201
	-0.23505	-2.22893	0.027123	0.334321
	0.184678	2.231029	0.026981	0.33375
	0.289411	2.234616	0.02674	0.3329
	-0.17441	-2.23202	0.026914	0.333491
	-0.22937	-2.22833	0.027164	0.334395
	-0.23979	-2.23114	0.026974	0.333717
	-0.28087	-2.22802	0.027185	0.33451
	0.22239	2.219837	0.027746	0.336722
	-0.43497	-2.23237	0.026891	0.333422
	-0.15899	-2.23152	0.026948	0.333609
	-0.17881	-2.23098	0.026984	0.333751
	0.45679	2.233131	0.026839	0.333202
	-0.13346	-2.22989	0.027058	0.334059
	-0.1814	-2.23042	0.027022	0.333914
	0.289221	2.233438	0.026819	0.333141
	-0.32347	-2.23329	0.026829	0.333148
	0.233194	2.233934	0.026785	0.333071
	-0.35082	-2.22644	0.027293	0.334841
	0.137942	2.229804	0.027064	0.334059
	0.276667	2.226372	0.027297	0.334841
	0.178323	2.222141	0.027587	0.336052
	0.253116	2.232628	0.026873	0.333342
	-0.2652	-2.22957	0.02708	0.334168
HIVEP1	0.095244	2.226802	0.027268	0.334841
	0.244118	2.232608	0.026874	0.333349
	0.242409	2.228856	0.027128	0.334327
BAIAP2;NPLOC4 SLBP	0.149752	2.22579	0.027337	0.335032
	0.267974	2.231883	0.026923	0.333498
	0.285064	2.227792	0.0272	0.334595
KLF2;RASAL3;MYO9B;BRD4	-0.38762	-2.22864	0.027143	0.334341
	0.247887	2.229472	0.027086	0.334201

	0.178527	2.226427	0.027293	0.334841
	-0.19587	-2.23265	0.026871	0.333339
	-0.22722	-2.23038	0.027025	0.333922
	0.239812	2.228187	0.027173	0.334447
	0.285961	2.227358	0.02723	0.33475
STRBP	-0.26477	-2.23344	0.026818	0.333141
	0.298032	2.230464	0.027019	0.333885
	0.32091	2.232017	0.026914	0.333491
MICAL1	0.294519	2.232057	0.026912	0.333491
	0.146014	2.226926	0.027259	0.334841
	0.24256	2.232012	0.026915	0.333491
DCLK1	0.304253	2.230622	0.027008	0.333885
	-0.27412	-2.2309	0.02699	0.33379
	-0.24829	-2.23008	0.027045	0.334046
	0.300517	2.231573	0.026944	0.333609
	-0.15518	-2.22889	0.027126	0.334327
	0.222623	2.232439	0.026886	0.333393
	0.269175	2.23192	0.026921	0.333498
PPP1R18	0.259654	2.228442	0.027156	0.334379
ANKRD35	0.344371	2.23431	0.02676	0.333023
SEC14L3	-0.25754	-2.23085	0.026993	0.333814
MAP4K1;GMFG;RINL	0.187903	2.231858	0.026925	0.333498
	0.226671	2.233393	0.026822	0.333141
	0.308015	2.228641	0.027143	0.334341
ENSG00000257270	0.196083	2.226783	0.027269	0.334841
	-0.1451	-2.22478	0.027406	0.335302
	0.207261	2.22733	0.027232	0.33475
	-0.36391	-2.23033	0.027028	0.333941
	0.194145	2.229032	0.027116	0.33431
BAI1;FAM83H-AS1;PSCA;MIR4664;LY6D;FAM83H	-0.2091	-2.22915	0.027108	0.334304
	0.223498	2.230223	0.027035	0.334017
TPPP	0.258473	2.233705	0.026801	0.33312
	0.116832	2.2297	0.027071	0.334136
	-0.26043	-2.23224	0.026899	0.33345
	0.257903	2.228234	0.02717	0.334442
	0.209104	2.228514	0.027151	0.334376
	0.323749	2.231032	0.026981	0.33375
SLC44A4;NELFE;HSPA1A;TNXB;NOTCH4;TAP2;LY6G5C;HSPA1L; AGPAT1;HCP5;VWA7;C6orf10;HSPA1B;CLIC1	-0.30911	-2.22754	0.027218	0.334686
RIMS3	-0.19398	-2.22766	0.027209	0.334658
NDUFS3	-0.29826	-2.22793	0.027191	0.334519
	0.13278	2.229355	0.027094	0.33423
	-0.16152	-2.22635	0.027299	0.334841
	0.33137	2.231894	0.026923	0.333498
	-0.15922	-2.2319	0.026922	0.333498
	-0.36442	-2.22794	0.02719	0.334519
	-0.28699	-2.2301	0.027044	0.334044

	0.273485	2.232215	0.026901	0.333451
	0.251699	2.229572	0.02708	0.334168
F13A1	-0.31655	-2.23333	0.026826	0.333143
	-0.27422	-2.23076	0.026999	0.333843
	0.240014	2.226628	0.02728	0.334841
C6orf211	0.269	2.230031	0.027048	0.334059
IPP	-0.19375	-2.23245	0.026885	0.333393
	-0.13316	-2.23211	0.026908	0.333491
	0.253431	2.228457	0.027155	0.334379
	-0.2473	-2.23036	0.027026	0.333932
	-0.21763	-2.22747	0.027222	0.33472
	-0.24843	-2.23047	0.027018	0.333885
	0.219176	2.226595	0.027282	0.334841
	-0.2049	-2.23185	0.026926	0.333498
	-0.25493	-2.23175	0.026932	0.333524
PDK1;ENSG00000225205	-0.38251	-2.23321	0.026834	0.333166
RNF224	0.264115	2.234843	0.026724	0.3329
INTS5;RARRES3	0.157278	2.226734	0.027272	0.334841
PDCD6;LPCAT1;TPPP;TRIP13;MRPL36;NKD2;SDHA	-0.26008	-2.22558	0.027351	0.335072
	-0.17065	-2.23059	0.02701	0.333885
	-0.17715	-2.23307	0.026844	0.333218
	-0.1643	-2.22845	0.027156	0.334379
ENSG00000264198;IKZF3;ERBB2;KRT20	-0.29107	-2.23228	0.026896	0.33345
	0.249879	2.23018	0.027038	0.334025
RSG1;C1orf134;NECAP2	-0.26947	-2.22997	0.027053	0.334059
GPR133	-0.29443	-2.22509	0.027384	0.335239
TRIM9	0.189495	2.225739	0.02734	0.335035
	0.224437	2.229835	0.027062	0.334059
	0.15927	2.225429	0.027362	0.33513
PTPN7;KIF21B	0.259497	2.229126	0.02711	0.33431
	0.215174	2.226126	0.027314	0.334913
	-0.19609	-2.2233	0.027507	0.335716
	-0.16613	-2.22812	0.027178	0.334465
KCNN4;PINLYP;XRCC1	-0.22568	-2.2288	0.027132	0.334341
	0.204601	2.232371	0.02689	0.333422
TMEM255B;MCF2L;TFDP1;TMCO3;PCID2	0.234957	2.224831	0.027402	0.335292
	0.256829	2.230944	0.026987	0.333772
	-0.10636	-2.22392	0.027465	0.335562
	0.176011	2.226172	0.027311	0.334912
	0.245041	2.225755	0.027339	0.335035
	-0.34787	-2.23337	0.026823	0.333141
ENSG00000255029	-0.3561	-2.22574	0.02734	0.335035
	0.269223	2.231976	0.026917	0.333498
	0.198793	2.221669	0.02762	0.336184
	-0.31811	-2.22561	0.027349	0.335072
	0.131184	2.228727	0.027137	0.334341
	0.164199	2.225927	0.027328	0.334997

CASQ2	0.28522	2.221233	0.02765	0.336367
	0.287764	2.22619	0.02731	0.334907
MTTP	-0.22238	-2.22895	0.027121	0.334321
TRPV3;ASPA;ENSG00000263050;HIC1;RTN4RL1;ENSG00000225084	-0.4202	-2.22726	0.027237	0.334764
	-0.17504	-2.2244	0.027432	0.335384
	0.199379	2.228209	0.027172	0.334447
	0.226372	2.231335	0.02696	0.333668
	-0.25507	-2.2289	0.027125	0.334327
	0.182977	2.228198	0.027173	0.334447
	-0.19039	-2.2306	0.02701	0.333885
	-0.19798	-2.23116	0.026972	0.333717
	0.240478	2.231508	0.026949	0.333609
ENSG00000232454	-0.28271	-2.22963	0.027075	0.334162
	0.207417	2.228753	0.027135	0.334341
	0.304733	2.227853	0.027196	0.334553
	0.228818	2.226924	0.027259	0.334841
	-0.2086	-2.22586	0.027332	0.335016
	-0.2113	-2.22715	0.027244	0.334809
ENSG00000231980;PTPRN2;WDR60	0.230651	2.223474	0.027496	0.335619
	-0.19827	-2.23046	0.027019	0.333885
ABCC5	-0.2818	-2.23053	0.027014	0.333885
OFD1P17	-0.20151	-2.23112	0.026975	0.333723
	0.208242	2.224449	0.027429	0.335384
	0.142673	2.229064	0.027114	0.33431
	0.141326	2.227547	0.027217	0.334686
	-0.17305	-2.22865	0.027142	0.334341
GPR153;ACOT7;RPL22	0.176941	2.230638	0.027007	0.333885
	0.235727	2.22687	0.027263	0.334841
SH2D2A	-0.29107	-2.2328	0.026861	0.333313
	0.197857	2.230017	0.027049	0.334059
	-0.1866	-2.22592	0.027328	0.334997
	-0.33903	-2.2291	0.027112	0.33431
	-0.1777	-2.22805	0.027183	0.334503
	-0.12711	-2.21966	0.027758	0.336785
ENSG00000235997;EHD3	0.23394	2.221579	0.027626	0.336221
ADPRHL1;CDC16;TMCO3;GAS6;TMEM255B;RASA3;DCUN1D2	-0.3237	-2.22486	0.027401	0.335292
HMGN3-AS1	-0.3139	-2.22843	0.027157	0.334379
	-0.21741	-2.21937	0.027778	0.336888
EPB41L2;ENPP1	-0.26869	-2.22668	0.027276	0.334841
	0.194677	2.229192	0.027105	0.334282
CLEC1A;A2M;PZP;MFAP5	-0.32211	-2.22027	0.027716	0.33662
	0.305183	2.227191	0.027241	0.334798
	0.180765	2.227092	0.027248	0.334825
	-0.3079	-2.22733	0.027232	0.33475
HSPA1A;HCP5;HSPA1B;CLIC1;DDR1;GPSM3;SLC44A4	-0.29765	-2.22895	0.027122	0.334321

SNORA74A;CTNNA1 SNTB1	0.112586	2.222004	0.027597	0.336084
	-0.2249	-2.22686	0.027264	0.334841
	-0.30479	-2.22588	0.027331	0.335015
	0.196296	2.22906	0.027114	0.33431
	-0.14998	-2.22367	0.027482	0.335579
CLSPN	0.224903	2.225793	0.027337	0.335032
	0.256085	2.227555	0.027216	0.334686
	0.283019	2.229013	0.027117	0.334312
	0.19858	2.22703	0.027252	0.334839
	0.153601	2.229006	0.027118	0.334312
KAZN;DNAJC16;ENSG00000228140;FHAD1;RSG1	0.308017	2.226816	0.027267	0.334841
	-0.12677	-2.22849	0.027153	0.334379
	0.282031	2.229544	0.027081	0.33418
MAD1L1;PSMG3;CHST12;HEATR2;TTYH3;GPR146;IQCE;GPER1 ACACB	-0.21326	-2.22843	0.027157	0.334379
	0.356606	2.230682	0.027004	0.333884
	-0.26499	-2.22863	0.027143	0.334341
	-0.25893	-2.23081	0.026996	0.333826
	-0.28702	-2.22385	0.02747	0.335579
LOXL2;POLR3D	0.200036	2.225698	0.027343	0.33505
	-0.30531	-2.22741	0.027227	0.334737
	0.224249	2.229348	0.027095	0.33423
	0.331149	2.226368	0.027297	0.334841
	0.227351	2.222878	0.027537	0.33585
	0.222283	2.224882	0.027399	0.335292
	-0.23547	-2.22742	0.027226	0.334737
	-0.40881	-2.22369	0.027481	0.335579
	-0.41659	-2.22994	0.027055	0.334059
	-0.28373	-2.22658	0.027283	0.334841
	-0.18373	-2.22058	0.027695	0.336559
	-0.27689	-2.22789	0.027194	0.334532
	-0.20013	-2.22501	0.02739	0.335282
	0.293531	2.231137	0.026974	0.333717
	-0.17157	-2.22636	0.027298	0.334841
	-0.1751	-2.22985	0.027061	0.334059
	0.17066	2.230559	0.027013	0.333885
	0.154019	2.221788	0.027612	0.336145
ANKRD42	-0.27291	-2.22357	0.027489	0.335586
	0.218081	2.228519	0.027151	0.334376
	0.296763	2.226733	0.027272	0.334841
	-0.23394	-2.22925	0.027101	0.334254
	-0.20905	-2.22923	0.027103	0.33426
FAM185A	0.170655	2.227016	0.027253	0.33484
	0.182636	2.226498	0.027289	0.334841
TACR1	-0.26498	-2.2262	0.027309	0.334907
	0.305764	2.22692	0.02726	0.334841
	0.178587	2.230198	0.027037	0.334025

THEMIS2;CD52	-0.19348	-2.22957	0.02708	0.334168
	0.183991	2.226736	0.027272	0.334841
THBS2	-0.38364	-2.22515	0.02738	0.335233
	-0.14974	-2.22583	0.027334	0.335026
AES	-0.20194	-2.22987	0.027059	0.334059
	-0.33843	-2.22942	0.02709	0.33421
	0.193495	2.226299	0.027302	0.334854
	0.275627	2.224324	0.027437	0.335404
IFLTD1;CASC1	-0.32836	-2.23015	0.02704	0.33403
	-0.26756	-2.22911	0.027111	0.33431
	0.224032	2.231954	0.026919	0.333498
	-0.18387	-2.2239	0.027467	0.335562
	-0.13846	-2.22872	0.027137	0.334341
	0.425828	2.231202	0.026969	0.333709
	0.20011	2.220807	0.027679	0.336509
DBNDD2	0.204631	2.22739	0.027228	0.334739
	0.421042	2.223594	0.027487	0.335584
	-0.2976	-2.224	0.027459	0.33553
TCAIM	-0.22133	-2.22363	0.027485	0.335579
	0.275574	2.229317	0.027097	0.334244
	-0.28712	-2.22741	0.027226	0.334737
PPAP2C;ARID3A;FSTL3;SHC2;MISP;GPX4;PALM;MOB3A;REEP6; TCF3;HMHA1;MIER2;DOT1L;ATP8B3;ABHD17A;ENSG00000129 951;ADAMTSL5;MBD3;ENSG00000267161	-0.3344	-2.22225	0.027579	0.335995
	0.25938	2.226476	0.02729	0.334841
	0.270907	2.227029	0.027252	0.334839
	-0.26474	-2.23018	0.027038	0.334025
	-0.19272	-2.22265	0.027552	0.335891
	0.221529	2.224276	0.02744	0.335427
	0.514781	2.22847	0.027154	0.334379
	0.227377	2.228754	0.027135	0.334341
	0.251229	2.226748	0.027272	0.334841
	-0.19201	-2.22566	0.027346	0.335055
TNS1;SPEG;STK11IP;RQCD1;PNKD;TTLL4	0.313534	2.224565	0.027421	0.335375
TMEM123	-0.22919	-2.2273	0.027234	0.33475
	-0.17275	-2.2274	0.027227	0.334737
	0.304444	2.225853	0.027333	0.335016
	-0.29912	-2.23057	0.027012	0.333885
	0.225578	2.220978	0.027667	0.336458
SEMA7A	-0.35982	-2.23075	0.026999	0.333843
	0.205013	2.228937	0.027123	0.334321
	-0.20968	-2.23174	0.026933	0.333524
GABBR1;SCAND3;ENSG00000272009;HCG14	-0.24725	-2.22704	0.027252	0.334839
	-0.2281	-2.22646	0.027291	0.334841
LYST;NID1;RYR2;LGALS8	-0.3576	-2.22068	0.027688	0.336509
ZNF721;SLBP	0.193816	2.230126	0.027042	0.33404
	-0.18865	-2.22531	0.02737	0.335165



	-0.22242	-2.22307	0.027523	0.335775
	-0.14947	-2.22669	0.027275	0.334841
	0.170843	2.227257	0.027237	0.334764
ARMC4;MKX;LRRC37A6P;MPP7;LINC00202-1	0.278596	2.219972	0.027737	0.336709
DSTYK	0.254814	2.226616	0.02728	0.334841
	0.340941	2.226795	0.027268	0.334841
	0.233007	2.226456	0.027291	0.334841
SCARF1;INPP5K;MYO1C;RAP1GAP2	-0.31051	-2.22527	0.027372	0.335186
CEP55	0.288352	2.224872	0.0274	0.335292
BAIAP2;WDR45B;SLC25A10;OXLD1;NOTUM;ARL16	-0.29451	-2.22067	0.027689	0.336509
ENSG00000271204;ENSG00000233559	0.140237	2.228926	0.027123	0.334321
	0.241024	2.22823	0.027171	0.334442
	0.269976	2.223639	0.027484	0.335579
	-0.2325	-2.22259	0.027557	0.335891
	0.262161	2.226493	0.027289	0.334841
ACTN1	-0.27131	-2.22799	0.027187	0.334519
	0.177454	2.22668	0.027276	0.334841
	0.189623	2.223895	0.027467	0.335562
HTRA3;AFAP1;ACOX3	0.419433	2.229528	0.027082	0.334183
	-0.22111	-2.21902	0.027803	0.337001
	-0.37911	-2.22942	0.02709	0.33421
	-0.30319	-2.23106	0.026979	0.333749
SPEG	0.193558	2.224585	0.027419	0.335368
	0.325199	2.226135	0.027313	0.334913
COLGALT1	-0.17162	-2.22997	0.027053	0.334059
LRRC43;DNAH10;ZNF664;TCTN2;KNTC1;DNAH10OS;CCDC92;CLIP1	0.382075	2.22925	0.027101	0.334254
	0.182263	2.223739	0.027477	0.335579
PHLDB2;WDR52;C3orf52;CD200;ENSG00000261488;ABHD10;TMPRSS7;SLC9C1;TAGLN3;BOC;ENSG00000239482	-0.30809	-2.22566	0.027346	0.335055
	0.189048	2.223844	0.02747	0.335579
ADAMTS9-AS2;ADAMTS9;LRIG1;MAGI1	-0.32027	-2.21592	0.028018	0.337741
	-0.17924	-2.22102	0.027665	0.336444
	0.308161	2.229642	0.027075	0.334162
SLCO5A1	-0.25411	-2.22859	0.027146	0.334352
TRPV2;ADORA2B;TBC1D27;PMP22;ZSWIM7;TRIM16	-0.27513	-2.22303	0.027526	0.335779
	-0.27412	-2.22906	0.027114	0.33431
	0.238639	2.223502	0.027494	0.335619
	0.154847	2.228349	0.027162	0.334395
	-0.26544	-2.22943	0.027089	0.33421
	-0.53174	-2.22868	0.02714	0.334341
	0.169261	2.227534	0.027218	0.334686
HOXB-AS2;HOXB4	0.230659	2.222062	0.027593	0.336083
	0.251088	2.226048	0.027319	0.334935
	0.227221	2.227907	0.027193	0.334528
FMNL3;SPATS2;KMT2D	-0.32696	-2.22762	0.027212	0.33467
	-0.19686	-2.22542	0.027362	0.33513

	0.25126	2.225598	0.02735	0.335072
GOLGA8B	-0.17593	-2.22303	0.027526	0.335779
ABI3;SKAP1;GNGT2	-0.27641	-2.22869	0.027139	0.334341
	0.268485	2.226949	0.027258	0.334841
	-0.23556	-2.22449	0.027426	0.335381
FLT4	0.287687	2.22649	0.027289	0.334841
FAM174B	-0.26164	-2.2235	0.027494	0.335619
	0.386029	2.228849	0.027129	0.334327
	0.304702	2.228582	0.027147	0.334352
	0.158973	2.227962	0.027189	0.334519
	-0.24081	-2.22614	0.027313	0.334913
	0.203799	2.228752	0.027135	0.334341
	0.195651	2.229604	0.027077	0.334168
FAM135A;RIMS1	-0.27895	-2.22314	0.027519	0.335757
	-0.31035	-2.2226	0.027556	0.335891
HELB	0.267869	2.229844	0.027061	0.334059
PEAR1;KIRREL-IT1;KIRREL	-0.31946	-2.22472	0.02741	0.335311
	-0.24153	-2.22489	0.027398	0.335292
	-0.35706	-2.2263	0.027302	0.334854
	-0.38733	-2.22606	0.027318	0.334935
	0.177665	2.227659	0.027209	0.334658
SUV420H2	0.284266	2.228154	0.027176	0.334456
BAIAP2;SLC25A10;RNF213	0.279054	2.225113	0.027383	0.335233
SHH	-0.27283	-2.22262	0.027555	0.335891
LOXL2;ENSG00000253837;STC1;ENSG00000254272	-0.37653	-2.22227	0.027578	0.335995
	0.188544	2.224146	0.027449	0.335501
	-0.33716	-2.22795	0.02719	0.334519
	0.332613	2.226097	0.027316	0.334917
	0.323621	2.226435	0.027293	0.334841
	0.263282	2.223793	0.027474	0.335579
PHF10;THBS2	-0.23249	-2.2228	0.027542	0.335879
	-0.15791	-2.2264	0.027295	0.334841
	0.315147	2.227312	0.027233	0.33475
	0.204204	2.21607	0.028008	0.337699
	0.368446	2.22687	0.027263	0.334841
	-0.24488	-2.22629	0.027303	0.334854
	0.257702	2.223649	0.027483	0.335579
	0.217074	2.226413	0.027294	0.334841
	-0.43423	-2.226	0.027323	0.334956
TMC8;TMC6	0.211726	2.228697	0.027139	0.334341
	0.282179	2.223654	0.027483	0.335579
	0.199041	2.222798	0.027542	0.335879
FGFR1;TACC1;IDO1;DDHD2;PPAPDC1B;ENSG00000272092	0.283578	2.224009	0.027459	0.33553
	0.215938	2.223473	0.027496	0.335619
	-0.28066	-2.22647	0.02729	0.334841
	0.296857	2.224052	0.027456	0.335507

	0.273731	2.218885	0.027812	0.33703
	0.292131	2.226519	0.027287	0.334841
	0.257859	2.224992	0.027391	0.335286
TAX1BP1;CHN2;HIBADH	-0.37724	-2.22383	0.027471	0.335579
FOXN4	-0.28286	-2.22588	0.02733	0.335015
	0.317391	2.223214	0.027513	0.335744
	-0.22788	-2.21856	0.027835	0.337078
	0.294682	2.21428	0.028133	0.338255
	0.130589	2.224676	0.027413	0.33533
	-0.2248	-2.22684	0.027265	0.334841
	0.307344	2.228563	0.027148	0.334355
WDR45B;PCYT2;METRNL;MAFG-AS1	-0.33799	-2.2208	0.027679	0.336509
	0.213598	2.22448	0.027427	0.335381
	0.304265	2.221547	0.027628	0.336224
ENSG00000176593	0.174577	2.220736	0.027684	0.336509
	0.161113	2.224844	0.027402	0.335292
B3GNT6	-0.29898	-2.22372	0.027478	0.335579
	-0.23598	-2.22899	0.027119	0.334314
	-0.19993	-2.22599	0.027323	0.334956
TNXB;NRM;NOTCH4	0.218171	2.227133	0.027245	0.334809
	0.297707	2.226501	0.027288	0.334841
	0.212191	2.228139	0.027177	0.334459
	-0.1823	-2.22718	0.027242	0.334798
	0.213037	2.227952	0.027189	0.334519
	-0.16772	-2.22412	0.027451	0.335501
SLC5A4	0.202175	2.219534	0.027767	0.336833
	-0.20268	-2.22769	0.027208	0.334654
GALNT16;EXD2;SLC39A9;ERH	-0.30069	-2.22194	0.027601	0.336106
	0.259704	2.224746	0.027408	0.335311
	-0.19819	-2.22305	0.027525	0.335779
USHBP1;PLVAP	-0.2676	-2.22546	0.02736	0.33513
	0.196113	2.226127	0.027314	0.334913
	0.225643	2.228759	0.027135	0.334341
ESYT2	0.164897	2.220741	0.027684	0.336509
WSCD2;ACACB;KCTD10;TMEM119;CORO1C;FOXN4	0.322884	2.225401	0.027363	0.33513
LAMB2;SEMA3B;DOCK3;BSN;CACNA2D2;C3orf18;RASSF1;GPX1	-0.47434	-2.22637	0.027297	0.334841
	0.228483	2.224591	0.027419	0.335368
	-0.28218	-2.22418	0.027447	0.335492
	-0.1811	-2.2271	0.027248	0.334825
	-0.23665	-2.22644	0.027292	0.334841
	-0.14454	-2.22514	0.027381	0.335233
	0.25739	2.223572	0.027489	0.335586
	-0.21002	-2.221	0.027666	0.336448
ENSG00000272604	0.265371	2.223222	0.027513	0.335744
	0.214746	2.22217	0.027585	0.336051
	0.244907	2.225319	0.027369	0.335165

	0.253187	2.224892	0.027398	0.335292
	0.163209	2.221326	0.027643	0.33634
	0.277837	2.227637	0.027211	0.334667
	-0.19903	-2.22111	0.027659	0.336413
	-0.25604	-2.22068	0.027688	0.336509
	0.235653	2.220674	0.027688	0.336509
	-0.20474	-2.22326	0.02751	0.335731
BMP6	0.20344	2.225426	0.027362	0.33513
	-0.138	-2.22512	0.027382	0.335233
	0.314714	2.226981	0.027256	0.334841
	0.345193	2.22841	0.027158	0.334386
	-0.31751	-2.22319	0.027515	0.335744
MAP3K9;TTC9;KIAA0247	0.272782	2.218038	0.027871	0.337224
CRTC3;SEMA4B	-0.23185	-2.22714	0.027245	0.334809
	-0.15099	-2.22564	0.027347	0.335063
PCDH12;PCDH1	-0.21742	-2.2264	0.027295	0.334841
	0.277057	2.225014	0.02739	0.335282
	0.194186	2.22258	0.027557	0.335891
	0.502691	2.226938	0.027259	0.334841
	0.217978	2.222315	0.027575	0.335995
	0.340579	2.224813	0.027404	0.335292
KMT2A;PHLDB1;PCSK7;MPZL3;IFT46;FXVD2;UBE4A;IL10RA;ENS				
G00000255176;TAGLN;ATP5L	-0.36178	-2.22168	0.027619	0.336184
	0.325	2.225207	0.027377	0.335201
TNFSF12;ELP5;ACAP1;CLDN7;ARHGEF15;KCTD11;MPDU1;VAM				
P2;CTC1	-0.27668	-2.22225	0.02758	0.335995
	0.128456	2.224147	0.027449	0.335501
ARFIP1	0.223484	2.226371	0.027297	0.334841
	0.16003	2.226213	0.027308	0.334907
	0.404165	2.222304	0.027576	0.335995
	-0.16235	-2.22188	0.027606	0.336131
	0.195497	2.217794	0.027888	0.337311
CTTN;SHANK2	0.205419	2.222678	0.02755	0.335891
	0.294684	2.226678	0.027276	0.334841
	0.229003	2.220742	0.027684	0.336509
	0.123165	2.22493	0.027396	0.335292
	-0.16006	-2.22292	0.027534	0.335834
RN7SK	0.209597	2.225249	0.027374	0.335186
	-0.28328	-2.22472	0.02741	0.335311
	0.259065	2.224109	0.027452	0.335501
TRIM16L;LGALS9C;MPRIIP;TBC1D27;ENSG00000264885;RASD1	-0.22492	-2.2267	0.027275	0.334841
	-0.20757	-2.22635	0.027298	0.334841
CEP68	0.277952	2.225742	0.02734	0.335035
ENSG00000225670;AIM2;DARC;ENSG00000213080;CADM3;E				
NSG00000227741;PYHIN1;SLAMF1;PEX19;FCRL6	-0.44513	-2.22298	0.027529	0.335808
CDKN2B;CDKN2B-AS1;DMRTA1	0.319667	2.2217	0.027618	0.336184

TSTA3	0.284994	2.22692	0.02726	0.334841
	-0.29805	-2.21396	0.028155	0.33832
	-0.26634	-2.22675	0.027272	0.334841
	-0.2476	-2.22283	0.02754	0.335877
	0.232685	2.219878	0.027743	0.336722
	-0.21978	-2.22461	0.027418	0.335368
	0.260797	2.224094	0.027453	0.335501
TBX2;TBX4;ENSG00000267280;ENSG00000267137	0.352965	2.224481	0.027426	0.335381
	0.286278	2.223901	0.027466	0.335562
C6orf10;STK19	0.200321	2.219335	0.027781	0.3369
BCL10	-0.48788	-2.21668	0.027966	0.337622
	-0.25386	-2.22448	0.027427	0.335381
	-0.26316	-2.2244	0.027432	0.335384
	0.229632	2.222488	0.027563	0.335898
	0.141831	2.221153	0.027655	0.336402
	-0.27496	-2.22631	0.027301	0.334854
RYR1	0.185956	2.222095	0.02759	0.336065
	0.259429	2.224722	0.02741	0.335311
	-0.13744	-2.22281	0.027541	0.335879
	0.242776	2.225453	0.02736	0.33513
C14orf2	0.268753	2.227046	0.027251	0.334839
	0.280248	2.223986	0.02746	0.335534
PWWP2B;TTC40	-0.32255	-2.21929	0.027784	0.3369
RPL7AP6	0.239858	2.214151	0.028142	0.338282
	0.175131	2.226042	0.02732	0.334935
SP140;SP110	-0.23572	-2.22309	0.027522	0.33577
	0.228298	2.224871	0.0274	0.335292
	0.231381	2.224127	0.027451	0.335501
NUSAP1;STARD9	-0.22935	-2.21605	0.028009	0.337699
PSMB8;TAP1	0.154485	2.222376	0.027571	0.335964
	0.243306	2.222878	0.027536	0.33585
	0.159298	2.219511	0.027769	0.336833
	0.222303	2.223124	0.02752	0.335758
	-0.38087	-2.22249	0.027563	0.335898
NWD1;ENSG00000267275;OCEL1;C19orf44;TPM4;USHBP1;PLV				
AP;MYO9B;ANO8;SIN3B;NR2F6;CYP4F12;SLC27A1	-0.39459	-2.21912	0.027796	0.336994
PAQR7;ENSG00000229162	0.121149	2.222669	0.027551	0.335891
	0.20214	2.216678	0.027966	0.337622
TAL1;CMPK1	0.214291	2.22258	0.027557	0.335891
	-0.172	-2.22351	0.027493	0.335619
ICT1;FDXR;MRPS7;SLC9A3R1	0.23445	2.226681	0.027276	0.334841
ANGPTL7;CASZ1;APITD1	0.316874	2.225788	0.027337	0.335032
	0.227622	2.215859	0.028023	0.337743
	-0.23371	-2.2204	0.027707	0.336614
	0.226948	2.223354	0.027504	0.335699
LATS2;IFT88;MPHOSPH8;MIPEPP3;ZMYM2	0.228472	2.223187	0.027515	0.335744
	0.206122	2.223706	0.02748	0.335579

NXPH3;HOXB-AS3;HOXB1	-0.31031	-2.22163	0.027623	0.336199
	-0.32972	-2.22243	0.027567	0.335924
TAP1;HLA-DMB;HLA-DOA;TAP2;HLA-DPB1;HLA-DMA;PSMB9;HLA-DRA;TAPSAR1;HLA-DPA1;GPSM3;PSMB8;SYNGAP1;TAPBP;RPL32P1	0.42747	2.225541	0.027354	0.335095
	0.323215	2.224519	0.027424	0.335381
USP43;PIK3R6;WDR16	0.286143	2.22406	0.027455	0.335507
	-0.18421	-2.21963	0.027761	0.336796
ATG7	-0.23011	-2.22317	0.027516	0.335745
	0.227065	2.217957	0.027877	0.337231
	-0.29137	-2.21861	0.027831	0.337078
	-0.28477	-2.22392	0.027465	0.335562
	0.267808	2.224689	0.027412	0.335328
	0.236994	2.224851	0.027401	0.335292
	0.224036	2.220047	0.027732	0.336699
	-0.32598	-2.22494	0.027395	0.335292
	-0.22475	-2.22112	0.027658	0.336413
	0.238298	2.220202	0.027721	0.336633
	-0.26545	-2.22542	0.027362	0.33513
	0.264986	2.224273	0.027441	0.335427
	-0.18428	-2.22525	0.027374	0.335186
	0.213195	2.222591	0.027556	0.335891
	0.224267	2.223777	0.027475	0.335579
	0.234618	2.220047	0.027732	0.336699
	-0.21593	-2.22453	0.027423	0.335381
	0.279916	2.224861	0.0274	0.335292
	0.183159	2.221865	0.027606	0.336131
	0.211185	2.226533	0.027286	0.334841
	-0.28707	-2.22172	0.027616	0.336178
	-0.31242	-2.21987	0.027744	0.336722
	-0.24271	-2.22372	0.027479	0.335579
	0.182337	2.217214	0.027928	0.337461
	0.260187	2.224646	0.027415	0.335345
	-0.17475	-2.22117	0.027654	0.336399
	0.230147	2.213473	0.02819	0.33844
	0.225029	2.222258	0.027579	0.335995
POLR3D;TNFRSF10D;GFRA2;CHMP7;NUDT18 APBA2	-0.33503	-2.22441	0.027431	0.335384
	0.218096	2.220637	0.027691	0.336524
INPP5D	0.199101	2.216269	0.027994	0.337663
	0.184387	2.223304	0.027507	0.335716
PSD4;MERTK RASSF1;CDHR4;IP6K1	0.105509	2.216504	0.027978	0.337658
	0.118514	2.223636	0.027484	0.335579
	-0.31621	-2.22294	0.027532	0.335822
	0.152261	2.220706	0.027686	0.336509
F10;TMCO3	0.206843	2.222141	0.027587	0.336052
	0.157509	2.220863	0.027675	0.336496
	0.25917	2.222677	0.02755	0.335891

DOK2;NPM2;CHMP7	-0.33724	-2.21949	0.02777	0.336834
	-0.35564	-2.22674	0.027272	0.334841
	0.228672	2.223803	0.027473	0.335579
GSS	0.119226	2.222947	0.027532	0.335822
	-0.24618	-2.22167	0.02762	0.336184
GNL2	0.17695	2.222653	0.027552	0.335891
	0.239273	2.224482	0.027426	0.335381
CARS;NAP1L4;IGF2;MRPL23;TSPAN32;ENSG00000255367;TSSC 2	-0.17266	-2.22259	0.027557	0.335891
	-0.25878	-2.22226	0.027579	0.335995
MCM2	-0.14562	-2.22188	0.027605	0.336131
IFT88;MPHOSPH8;LATS2;SAP18	0.36903	2.220711	0.027686	0.336509
IL32;CCDC64B;ENSG00000205890;HS3ST6;PRSS22;CLUAP1	0.312758	2.223689	0.027481	0.335579
	0.351457	2.2197	0.027756	0.336779
	0.162476	2.221543	0.027628	0.336224
	0.223944	2.219506	0.027769	0.336833
	0.268685	2.22072	0.027685	0.336509
	-0.22927	-2.22506	0.027387	0.335256
	-0.32363	-2.22193	0.027602	0.336106
	0.337694	2.224102	0.027452	0.335501
	0.253759	2.224442	0.027429	0.335384
BNIP1;THEM4;SELENBP1;S100A11;HRNR;CGN	-0.36752	-2.22478	0.027406	0.335302
	0.197453	2.224415	0.027431	0.335384
	0.227172	2.223653	0.027483	0.335579
	0.283398	2.220146	0.027725	0.336659
	0.239685	2.220199	0.027721	0.336633
ST6GALNAC1;TNRC6C	-0.37922	-2.22439	0.027432	0.335384
SLC5A4;CPSF1P1	0.30382	2.21722	0.027928	0.337461
	0.230892	2.221253	0.027648	0.336361
	0.245296	2.217834	0.027885	0.337293
	0.243286	2.22197	0.027599	0.336093
	0.237208	2.222515	0.027561	0.335898
	0.259322	2.218293	0.027853	0.337127
HSPA1A;NOTCH4;SLC44A4;CLIC1;NELFE	0.207095	2.222655	0.027552	0.335891
SOS1-IT1	0.215843	2.220174	0.027723	0.336645
STARD9	-0.28606	-2.21929	0.027784	0.3369
	0.255309	2.225222	0.027376	0.335198
ENSG00000272005	0.296511	2.217651	0.027898	0.337338
	-0.21101	-2.21995	0.027738	0.336714
	-0.22722	-2.22276	0.027545	0.335891
	0.152626	2.213074	0.028218	0.338539
SHANK2;SHANK2-AS2	-0.22282	-2.21888	0.027812	0.33703
SEPT11;SOWAHB	-0.33704	-2.21843	0.027844	0.337078
	-0.27838	-2.21897	0.027807	0.337014
	0.222273	2.221818	0.027609	0.336145
	0.325701	2.223309	0.027507	0.335716

ENSG00000225885 EGFL7;GPSM1	0.307948	2.221728	0.027616	0.336178
	-0.36918	-2.22031	0.027714	0.33662
	0.222717	2.222577	0.027557	0.335891
	-0.33332	-2.21935	0.02778	0.3369
OSBPL2	0.330912	2.225117	0.027383	0.335233
	-0.14554	-2.2231	0.027521	0.335767
	-0.29943	-2.22078	0.027681	0.336509
RAMP1	-0.30736	-2.222	0.027597	0.336084
	0.123431	2.217034	0.027941	0.337507
	-0.18969	-2.21719	0.02793	0.337463
STARD9;TMEM87A;LRRC57;NDUFAF1	0.248346	2.217957	0.027877	0.337231
	-0.20475	-2.21766	0.027898	0.337338
	-0.15805	-2.2157	0.028034	0.337804
	0.131352	2.221084	0.02766	0.336416
HLF;STXBP4;TOM1L1 THAP11;ACD;CES3 CARS;NAP1L4	-0.2646	-2.21605	0.02801	0.337699
	-0.35021	-2.22213	0.027588	0.336052
	0.185563	2.219831	0.027747	0.336722
	-0.27593	-2.22246	0.027565	0.33591
MTSS1;ENSG00000254286;ZNF572	-0.19009	-2.21666	0.027967	0.337622
	-0.15865	-2.22028	0.027716	0.33662
	-0.29963	-2.22484	0.027402	0.335292
	-0.30694	-2.222	0.027597	0.336084
RASGEF1B	0.126989	2.221783	0.027612	0.336145
	0.159146	2.219677	0.027757	0.336785
	-0.39328	-2.21929	0.027784	0.3369
	-0.25283	-2.21895	0.027808	0.337014
NUMB;PAPLN;RGS6;ENSG00000258376;DPF3	0.290059	2.219996	0.027735	0.336708
	-0.23222	-2.22133	0.027643	0.33634
	0.312369	2.220083	0.027729	0.336699
	0.253901	2.223189	0.027515	0.335744
TRAF3IP1 HSPA1B;NELFE;HLA-DOA;CSNK2B;MICB;HLA-DMA;BAG6;ABHD16A;HSPA1A HLA-A;HLA-B;OR2I1P;HLA-F	0.170517	2.218801	0.027818	0.337064
	0.194396	2.223782	0.027474	0.335579
	-0.30183	-2.22199	0.027597	0.336084
	-0.19685	-2.21986	0.027745	0.336722
PTP4A3	0.266161	2.220283	0.027715	0.33662
	0.221309	2.214573	0.028113	0.338159
	-0.26293	-2.21769	0.027895	0.337338
	0.186411	2.222022	0.027595	0.336084
	-0.28057	-2.22162	0.027623	0.336199
	-0.20249	-2.22093	0.027671	0.336481
	0.203377	2.214199	0.028139	0.338282
	0.194061	2.215436	0.028052	0.337887
	0.207898	2.220886	0.027674	0.336486
	0.180129	2.22139	0.027639	0.336312
	0.193643	2.209043	0.028502	0.339411
	-0.24003	-2.2203	0.027714	0.33662



HEG1;MYLK RPL39P3	0.396828	2.220533	0.027698	0.336592
	-0.16983	-2.21905	0.027801	0.336997
	0.277874	2.22026	0.027717	0.33662
	-0.22603	-2.2225	0.027563	0.335898
	-0.3995	-2.22036	0.02771	0.33662
VWF;ANO2;NTF3 RDH10	-0.25021	-2.21546	0.028051	0.337887
	0.32278	2.220339	0.027712	0.33662
	-0.19109	-2.22435	0.027435	0.33539
	0.186407	2.223362	0.027503	0.335699
	-0.17065	-2.21952	0.027768	0.336833
C11orf49;AGBL2 KDM7A;SLC37A3;RAB19;JHDM1D-AS1	0.292814	2.221177	0.027654	0.336399
	0.30899	2.216205	0.027999	0.337663
	-0.19901	-2.22178	0.027612	0.336145
	-0.27089	-2.21902	0.027803	0.337001
	-0.43775	-2.22254	0.02756	0.335898
SPI1;C11orf49;ENSG00000255197;CRY2	-0.31164	-2.21963	0.02776	0.336796
	-0.4048	-2.21653	0.027976	0.337645
	0.339361	2.223778	0.027475	0.335579
	0.248973	2.220923	0.027671	0.336481
	-0.2603	-2.21417	0.028141	0.338282
FCHSD2;RELT	-0.37635	-2.22362	0.027485	0.335579
	0.255338	2.2213	0.027645	0.33634
ZHX2;TBC1D31;HAS2;DERL1	-0.3329	-2.21855	0.027836	0.337078
	-0.13978	-2.22435	0.027435	0.33539
	-0.29715	-2.22004	0.027732	0.336699
ENSG00000257489;GAS2L3	0.283517	2.218799	0.027818	0.337064
	-0.2402	-2.21848	0.02784	0.337078
	0.187702	2.220237	0.027719	0.33663
	0.257826	2.219908	0.027741	0.336722
ICAM3;ICAM1	0.26172	2.222533	0.02756	0.335898
	-0.23658	-2.21434	0.028129	0.338252
	-0.18675	-2.21957	0.027765	0.336828
	-0.21884	-2.22163	0.027622	0.336199
	0.250432	2.218506	0.027839	0.337078
	0.241639	2.219423	0.027775	0.336875
	-0.58106	-2.2215	0.027631	0.33624
	0.266724	2.212777	0.028239	0.338607
	0.269742	2.211418	0.028334	0.338985
	0.219727	2.220483	0.027702	0.336605
HSPB11;TMEM59	-0.23348	-2.22154	0.027629	0.336224
	0.268823	2.218459	0.027842	0.337078
	0.15525	2.214648	0.028108	0.338125
	0.260549	2.21842	0.027845	0.337078
	0.509623	2.222764	0.027544	0.335891
	0.230506	2.22035	0.027711	0.33662
	0.217494	2.205775	0.028735	0.340287
	0.151742	2.216631	0.027969	0.337633

	0.170473	2.222731	0.027547	0.335891
	0.230538	2.2163	0.027992	0.337663
	-0.28063	-2.22482	0.027403	0.335292
	-0.18139	-2.21805	0.02787	0.337224
	-0.58872	-2.22131	0.027645	0.33634
WDR45B;PCYT2;TBCD;MAFG-AS1	-0.30317	-2.21717	0.027932	0.337467
	-0.32552	-2.22027	0.027716	0.33662
	0.184525	2.220899	0.027673	0.336485
SKI	-0.2263	-2.21587	0.028022	0.337743
	-0.18257	-2.21429	0.028133	0.338255
	0.296721	2.220497	0.027701	0.336605
	0.153058	2.218785	0.027819	0.337066
CYTH3;RNF216	-0.42667	-2.21763	0.027899	0.337338
ADCY7;ZNF423;SNX20	-0.30951	-2.22115	0.027656	0.336402
	-0.15156	-2.21893	0.027809	0.337014
FGFR4;RGS14;ARL10;GRK6	0.194345	2.216568	0.027973	0.337645
	-0.29152	-2.21592	0.028018	0.337741
LINC00578	-0.32038	-2.21954	0.027767	0.336833
	-0.30285	-2.22316	0.027517	0.335745
	-0.31493	-2.22255	0.027559	0.335898
	0.28228	2.219601	0.027763	0.33681
	0.231836	2.218631	0.02783	0.337078
	-0.34046	-2.21494	0.028087	0.338043
	0.288676	2.216178	0.028001	0.337663
	0.236783	2.220448	0.027704	0.336605
NRROS;CEP19	-0.2182	-2.2164	0.027985	0.337663
PHLDB1;IL10RA;FXD2;DPAGT1;MPZL3	0.241985	2.214909	0.028089	0.338043
HLA-L	-0.19393	-2.22179	0.027611	0.336145
	0.134754	2.21641	0.027984	0.337663
	-0.26732	-2.21771	0.027894	0.337337
	-0.26491	-2.22045	0.027704	0.336605
	0.17886	2.222022	0.027595	0.336084
PPP1R18;GABBR1;DDR1;PPP1R11;PPP1R10;DHX16;HLA-F-AS1;NRM	0.322923	2.21897	0.027806	0.337014
	-0.24137	-2.21922	0.027789	0.336933
	0.325431	2.221099	0.027659	0.336413
	-0.3043	-2.22068	0.027688	0.336509
	-0.22242	-2.21998	0.027737	0.336709
	0.224805	2.221858	0.027607	0.336131
	0.203194	2.220916	0.027672	0.336481
GRASP;KRT18;KRT80;MFSD5;ACVR1B;MAP3K12;KRT8;TENC1;KRT7;ACVRL1;PFDN5	-0.31352	-2.21985	0.027746	0.336722
	0.39044	2.216144	0.028003	0.337665
	-0.29175	-2.22072	0.027685	0.336509
ZDHC4P1	0.220452	2.217215	0.027928	0.337461
	-0.22232	-2.2203	0.027714	0.33662
	-0.21178	-2.21325	0.028206	0.338481

	-0.33667	-2.21931	0.027783	0.3369
	0.235446	2.220279	0.027716	0.33662
	-0.23482	-2.21645	0.027982	0.337663
	0.222071	2.213249	0.028206	0.338481
	-0.28401	-2.21838	0.027847	0.337078
	0.271082	2.221485	0.027632	0.336243
ABTB1	0.185772	2.215337	0.028059	0.337887
	-0.18649	-2.21696	0.027946	0.337536
	0.258845	2.216331	0.02799	0.337663
LMOD1;CSRP1;PPP1R12B;ELF3;C1orf106	-0.28452	-2.21842	0.027845	0.337078
ENSG00000251076	-0.17361	-2.21941	0.027776	0.336875
	-0.37141	-2.21565	0.028037	0.337826
	0.151302	2.214392	0.028125	0.338235
	-0.22612	-2.22211	0.027589	0.336064
ZAP70	-0.2686	-2.22131	0.027644	0.33634
ANXA6;SPARC	-0.31869	-2.21418	0.02814	0.338282
	-0.16755	-2.21907	0.0278	0.336997
PCNX;GALNT16;TTC9	-0.26839	-2.21762	0.0279	0.337342
ABCA8;PITPNC1;ENSG00000267659;ABCA6;ABCA9	0.282352	2.213035	0.028221	0.338539
NPLOC4;LINC00482;BAIAP2;SECTM1;SIRT7;NOTUM;TMEM105	-0.38791	-2.21853	0.027837	0.337078
OAS2;OAS1;OAS3;TRAFFD1;PLBD2	-0.30611	-2.21847	0.027841	0.337078
TRAF4;CORO6;TLCD1;KIAA0100	0.287133	2.220436	0.027705	0.336606
BNIP1;CGN;CTSK	-0.30707	-2.21799	0.027874	0.337228
	0.237291	2.219198	0.027791	0.336939
	0.142871	2.218402	0.027846	0.337078
ARHGAP29;ABCD3;ABCA4;FBNP1L;ENSG00000233129	0.373126	2.216204	0.027999	0.337663
	0.298828	2.218415	0.027845	0.337078
	-0.18483	-2.21776	0.027891	0.337311
	-0.30082	-2.22229	0.027577	0.335995
	0.249658	2.219876	0.027744	0.336722
ZNF232;USP6;ENSG00000234327;ZFP3	-0.2504	-2.21801	0.027873	0.337224
SORBS2;FAM149A	-0.28831	-2.21037	0.028409	0.339188
	0.260126	2.216282	0.027993	0.337663
TXNDC9	0.304974	2.212488	0.028259	0.338674
PTPRH	-0.1597	-2.22104	0.027663	0.336438
	-0.19402	-2.22104	0.027663	0.336438
	0.249211	2.217577	0.027903	0.337356
	-0.31577	-2.22263	0.027554	0.335891
	0.231032	2.215359	0.028058	0.337887
ENSG00000236510	0.166572	2.218169	0.027862	0.337174
	0.148891	2.219258	0.027786	0.336917
ENSG00000223704	0.184072	2.21971	0.027755	0.336779
C1QTNF1	0.239763	2.219372	0.027778	0.336888
ENSG00000227775	0.233749	2.214829	0.028095	0.338053
	0.186696	2.220222	0.02772	0.336633
IGHG3;IGHG2;IGHGP	0.221103	2.219787	0.02775	0.33674

PSMG3	-0.1611	-2.21806	0.027869	0.337224
	0.179566	2.217035	0.027941	0.337507
	0.170308	2.218014	0.027873	0.337224
	-0.32965	-2.21722	0.027928	0.337461
	-0.26082	-2.21906	0.0278	0.336997
CYTH3;ENSG00000198580;RSPH10B;ENSG00000244167;EIF2A				
K1;CCZ1;ENSG00000239696;RPA3;USP42	0.312859	2.214267	0.028134	0.338255
THBS2	0.20216	2.221514	0.02763	0.336237
	0.178078	2.218076	0.027868	0.337224
	0.259751	2.216988	0.027944	0.337518
NME4;SOX8;RGS11;TMEM204;HN1L;ENSG00000261659;MSLN				
;HBA1;MSRB1	-0.24845	-2.21168	0.028316	0.338951
TMED11P	0.595934	2.219806	0.027748	0.336734
ATP1B1	-0.19299	-2.21901	0.027804	0.337004
	-0.21537	-2.21877	0.02782	0.337066
SARDH;ADAMTSL2;GTF3C5;SLC2A6;GBGT1;SURF2;VAV2;CEL;AK				
8;GTF3C4;LINC00094	-0.30304	-2.22126	0.027648	0.336361
C11orf30	0.178104	2.218025	0.027872	0.337224
	-0.21068	-2.22077	0.027682	0.336509
SLC16A1-				
AS1;DENND2C;ENSG00000232450;PHTF1;MAGI3;HIPK1;OLFML				
3	0.261096	2.217227	0.027927	0.337461
METRNL	-0.4093	-2.21873	0.027823	0.337078
SLBP	-0.35886	-2.21272	0.028243	0.338618
ZNF503	0.2889	2.212198	0.028279	0.338769
	0.176735	2.214307	0.028131	0.338255
PPP1R2;LINC00885;TNK2;UBXN7-AS1	0.174589	2.217024	0.027942	0.337507
GRK5;GRK5-IT1	0.268613	2.217661	0.027897	0.337338
	0.228347	2.210053	0.028431	0.339217
	-0.28225	-2.21668	0.027965	0.337622
ENSG00000174093	0.261723	2.217906	0.02788	0.337242
	-0.21082	-2.21795	0.027877	0.337231
PARG;TIMM23	-0.23653	-2.22047	0.027703	0.336605
	-0.34755	-2.21068	0.028387	0.339168
	0.171146	2.217505	0.027908	0.337407
	-0.27536	-2.21801	0.027873	0.337224
	0.247779	2.217189	0.02793	0.337463
	0.210863	2.219054	0.027801	0.336997
GNG2	0.232663	2.214129	0.028144	0.338286
RCSD1;TBX19;MPC2;CD247	-0.34572	-2.21631	0.027992	0.337663
	0.158246	2.215969	0.028015	0.337727
	-0.19083	-2.22049	0.027701	0.336605
ZNF536	0.273921	2.216686	0.027965	0.337622
GRIN1;ENTPD8;NRARP	-0.21627	-2.21193	0.028298	0.338844
	0.153399	2.218927	0.027809	0.337014
ZNF366;ENSG00000261269	-0.24473	-2.21524	0.028066	0.337898
	0.256451	2.21734	0.02792	0.337461

	0.272385	2.216297	0.027992	0.337663
	0.202121	2.220001	0.027735	0.336708
	0.217991	2.218579	0.027833	0.337078
	-0.13	-2.21837	0.027848	0.337078
LPP	-0.31394	-2.21237	0.028267	0.338711
	0.222456	2.215254	0.028065	0.337898
	0.174377	2.217922	0.027879	0.337238
	0.257305	2.216573	0.027973	0.337645
	0.156086	2.216377	0.027987	0.337663
DENND6A;ABHD6;SLMAP;IL17RD;FLNB	-0.2748	-2.21472	0.028102	0.338092
	0.255777	2.215377	0.028056	0.337887
	-0.23328	-2.21533	0.02806	0.337887
	-0.20956	-2.21736	0.027918	0.337461
	0.241137	2.220004	0.027735	0.336708
	0.231342	2.219927	0.02774	0.336718
	-0.20728	-2.21678	0.027959	0.337622
ZSCAN23;HIST1H4K;HIST1H4J	0.242077	2.218639	0.027829	0.337078
C1orf216	-0.17637	-2.21416	0.028142	0.338282
ZBTB9	0.203756	2.218513	0.027838	0.337078
ENSG00000214198;GLT8D2;TXNRD1	-0.29563	-2.21298	0.028224	0.338539
	0.144587	2.213353	0.028198	0.338452
	-0.34923	-2.2187	0.027825	0.337078
LAMTOR5	0.198265	2.214205	0.028139	0.338282
	0.20568	2.216169	0.028001	0.337663
	0.149301	2.213765	0.028169	0.338422
	0.282931	2.21463	0.028109	0.338131
	-0.2687	-2.21041	0.028405	0.339188
	0.138868	2.217245	0.027926	0.337461
	0.227882	2.218239	0.027857	0.337143
	-0.1524	-2.21643	0.027983	0.337663
FBXW9;CACNA1A	0.455932	2.212076	0.028288	0.338819
	-0.34739	-2.21631	0.027991	0.337663
	0.258683	2.21941	0.027776	0.336875
	0.217033	2.218481	0.02784	0.337078
	0.233597	2.219695	0.027756	0.336779
	-0.20418	-2.21296	0.028226	0.338539
	0.221458	2.217928	0.027879	0.337238
RSG1;DNAJC16;DDI2	-0.35593	-2.21243	0.028263	0.338692
	-0.23528	-2.21734	0.027919	0.337461
	-0.36473	-2.21258	0.028252	0.338664
	-0.19491	-2.21501	0.028082	0.338026
	-0.21938	-2.21655	0.027975	0.337645
	-0.3186	-2.21844	0.027843	0.337078
	-0.17642	-2.21688	0.027952	0.337579
VAMP8;MRPL35	-0.29813	-2.21868	0.027826	0.337078
	-0.14482	-2.21722	0.027928	0.337461
	0.404763	2.217462	0.027911	0.337425

RAD51	0.232699	2.216286	0.027993	0.337663
UBE2H;COPG2	-0.315	-2.21873	0.027823	0.337078
CEP44	-0.43112	-2.21218	0.02828	0.338769
RERE	-0.2424	-2.21159	0.028322	0.338953
GNL3	-0.21639	-2.21686	0.027953	0.337585
	0.184015	2.216941	0.027947	0.337538
	-0.33514	-2.21482	0.028096	0.338053
	0.17115	2.218449	0.027842	0.337078
	-0.2623	-2.21565	0.028038	0.337826
	0.236803	2.217226	0.027928	0.337461
	-0.1907	-2.21552	0.028047	0.337887
	0.195089	2.217067	0.027939	0.337507
	0.243629	2.216237	0.027996	0.337663
	-0.26114	-2.21587	0.028022	0.337743
	0.211094	2.218703	0.027825	0.337078
	-0.34338	-2.21579	0.028028	0.337766
STAT5B;CNTD1;STAT5A;ATP6V0A1;FKBP10;COASY	-0.34205	-2.2191	0.027797	0.336997
	0.159894	2.217779	0.027889	0.337311
ENSG00000260977;EPCAM;SOCS5	0.259724	2.215835	0.028025	0.33775
	-0.22104	-2.2146	0.028111	0.338149
C1QTNF1;TIMP2;TMC8;ENSG00000178404;TNRC6C	-0.19338	-2.21666	0.027967	0.337622
TSTA3;GPIHBP1	-0.20584	-2.21546	0.02805	0.337887
	-0.1586	-2.21738	0.027917	0.337461
	-0.35103	-2.21994	0.027739	0.336714
	0.110487	2.217236	0.027927	0.337461
EIF4E2;SCARNA5;SCARNA6	0.260551	2.21619	0.028	0.337663
	0.34472	2.219704	0.027755	0.336779
SPOCK2;PRF1	0.281817	2.218534	0.027837	0.337078
THBS2	-0.3503	-2.21736	0.027918	0.337461
	0.215862	2.211302	0.028343	0.339016
TMC8	0.196254	2.215321	0.02806	0.337887
	0.169418	2.217764	0.02789	0.337311
	-0.1144	-2.21442	0.028124	0.338227
CCDC167;SRPK1;PI16;MAPK13	0.177338	2.212157	0.028282	0.33877
	0.412803	2.219049	0.027801	0.336997
	0.219505	2.214414	0.028124	0.338227
ENSG00000244300;GATA2;COPG1;RPN1;RUVBL1	-0.35769	-2.20902	0.028504	0.339411
	-0.16213	-2.21443	0.028123	0.338227
	-0.21837	-2.21269	0.028245	0.338623
	0.118658	2.218953	0.027808	0.337014
TAPBP;GPSM3;TAP1	-0.25826	-2.21922	0.027789	0.336933
	-0.17901	-2.21199	0.028294	0.338824
	0.183036	2.217469	0.027911	0.337425
	0.278671	2.217118	0.027935	0.337485
	-0.33953	-2.20965	0.028459	0.339272
	0.23347	2.20815	0.028566	0.339706
	0.270302	2.216756	0.02796	0.337622

AKR7A2;ARHGEF10L;KLHDC7A

0.380566	2.209967	0.028437	0.339235
0.121671	2.218379	0.027847	0.337078
-0.14401	-2.21849	0.027839	0.337078
0.310271	2.216625	0.027969	0.337633
-0.27012	-2.21737	0.027918	0.337461
-0.21627	-2.20205	0.029002	0.341328
0.261956	2.217658	0.027898	0.337338
-0.28806	-2.2185	0.027839	0.337078
-0.27974	-2.216	0.028013	0.337711
0.275533	2.213729	0.028172	0.33843
-0.30266	-2.21819	0.027861	0.337167
-0.23331	-2.21573	0.028032	0.337783

RASAL3;ENSG00000141854

0.396118	2.220404	0.027707	0.336614
0.207215	2.215384	0.028056	0.337887
-0.171	-2.21394	0.028157	0.338324

DIP2C;PRR26;IDI1

0.262003	2.211517	0.028327	0.338981
0.275923	2.217161	0.027932	0.337467
-0.2613	-2.21489	0.02809	0.338043
-0.16411	-2.21324	0.028206	0.338481
0.250447	2.218815	0.027817	0.337064
0.206848	2.218256	0.027856	0.337138
0.202477	2.214912	0.028089	0.338043
0.119655	2.213851	0.028163	0.338368
-0.26643	-2.21822	0.027858	0.33715
0.171164	2.210918	0.02837	0.339112

TRPM2

-0.2975	-2.21478	0.028099	0.338074
0.261811	2.216014	0.028012	0.337711
0.129214	2.218873	0.027813	0.33703
-0.17941	-2.21732	0.027921	0.337461
-0.37034	-2.21372	0.028173	0.33843

TMPRSS3;SLC37A1;LINC00111;RSPH1;ENSG00000237989;LINC00479;ENSG00000225431;ENSG00000235772;UMODL1;TMPRSS2;C21orf128;CBS;TFF3;ZNF295-AS1  
ENSG00000272841

-0.32335	-2.21726	0.027925	0.337461
0.339608	2.209027	0.028503	0.339411
0.128606	2.216	0.028013	0.337711

RPRD1B

-0.32125	-2.21418	0.02814	0.338282
0.193864	2.213151	0.028213	0.338511

RNU7-101P

0.174891	2.218276	0.027855	0.337131
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PSMB8;TAP1

0.176167	2.216192	0.028	0.337663
-0.16993	-2.21536	0.028058	0.337887
0.294023	2.215859	0.028023	0.337743
0.261458	2.218039	0.027871	0.337224
0.172051	2.212956	0.028226	0.338539
0.227766	2.212058	0.028289	0.338822
0.235583	2.217243	0.027926	0.337461
0.186322	2.212688	0.028245	0.338623
0.190024	2.216585	0.027972	0.337645

LYPD5	-0.22575	-2.21615	0.028002	0.337665	
	0.218317	2.214049	0.02815	0.338314	
	-0.30821	-2.21381	0.028167	0.338397	
	-0.25221	-2.21586	0.028023	0.337743	
	-0.44207	-2.21776	0.02789	0.337311	
	0.262117	2.211634	0.028319	0.338951	
	0.178658	2.21158	0.028323	0.338953	
	-0.24314	-2.21853	0.027837	0.337078	
	0.1218	2.209894	0.028442	0.339247	
	-0.24354	-2.21575	0.02803	0.337777	
ZDHC13;TSG101	0.278731	2.215433	0.028053	0.337887	
PNP	-0.20307	-2.2156	0.028041	0.33783	
C14orf79;ENSG00000260285;ADSSL1;INF2;KIF26A;CKB;ENSG0000258534	-0.22427	-2.20775	0.028594	0.339845	
SPINT1;RHOV;DLL4;C15orf52;RPUUSD2;SRP14;GPR176;C15orf56	-0.32315	-2.21154	0.028326	0.338975	
	0.142734	2.217129	0.027934	0.337485	
	0.273347	2.215281	0.028063	0.337887	
B4GALT4;ARHGAP31;TMEM39A;ADPRH	-0.24123	-2.21298	0.028225	0.338539	
	0.249314	2.216335	0.02799	0.337663	
	0.166636	2.214858	0.028093	0.338052	
TMEM80	0.19866	2.216667	0.027967	0.337622	
KL	0.335523	2.216677	0.027966	0.337622	
NECAP2;PADI1	-0.35065	-2.20619	0.028705	0.340229	
THBS2;PHF10	0.306179	2.214005	0.028153	0.338314	
	-0.15251	-2.21832	0.027851	0.337111	
	0.357783	2.214924	0.028088	0.338043	
	0.271081	2.215332	0.02806	0.337887	
	0.365629	2.216113	0.028005	0.337682	
	0.174503	2.208417	0.028547	0.339604	
	0.278002	2.214659	0.028107	0.338125	
	0.242238	2.216366	0.027987	0.337663	
	0.286297	2.215438	0.028052	0.337887	
	-0.12988	-2.21563	0.028039	0.337828	
	0.235755	2.214959	0.028086	0.338043	
	-0.21192	-2.21671	0.027963	0.337622	
	COLCA1	-0.18325	-2.21136	0.028339	0.338995
	IGSF9B	-0.1798	-2.21646	0.027981	0.337663
		-0.27991	-2.21705	0.02794	0.337507
ZNF542;EPS8L1	-0.20033	-2.21522	0.028067	0.337907	
	0.167086	2.211419	0.028334	0.338985	
	-0.2202	-2.21707	0.027938	0.337507	
TOP2A;THRA	-0.39635	-2.21481	0.028096	0.338053	
	-0.26445	-2.21353	0.028186	0.33844	
	0.185134	2.203723	0.028881	0.340825	
GRASP;ACVRL1;ACVR1B	0.220898	2.213601	0.028181	0.33844	
EMR2;ENSG00000267582	-0.14794	-2.21669	0.027965	0.337622	



NOS2;LYRM9;SLC13A2	-0.29987	-2.21231	0.028272	0.338728
	-0.49117	-2.21404	0.02815	0.338314
	-0.25592	-2.21301	0.028223	0.338539
	-0.32258	-2.21871	0.027825	0.337078
	-0.17775	-2.21625	0.027995	0.337663
GJC1;MPP2;GPATCH8;PLCD3;FZD2	0.185595	2.213193	0.02821	0.338495
	0.200247	2.214145	0.028143	0.338282
	-0.25823	-2.21428	0.028133	0.338255
COTL1;ATP2C2;IRF8;ENSG00000261471;USP10 BLM	-0.29144	-2.2167	0.027964	0.337622
	-0.26814	-2.21685	0.027954	0.337589
	0.250417	2.214047	0.02815	0.338314
	-0.27905	-2.21489	0.02809	0.338043
	0.278749	2.213531	0.028186	0.33844
TAP2;C6orf10	0.234344	2.213419	0.028194	0.33845
	0.191871	2.212344	0.028269	0.338726
	-0.25752	-2.2075	0.028612	0.339928
DYRK1B	-0.34784	-2.21576	0.02803	0.337777
	-0.18372	-2.21013	0.028425	0.339206
GSK3A	0.153153	2.206782	0.028663	0.34016
	0.229452	2.209865	0.028444	0.33925
	0.211784	2.214531	0.028116	0.338178
	0.189983	2.213579	0.028182	0.33844
	0.176843	2.214752	0.0281	0.338085
EFCAB11;CALM1;TDP1;TTC7B;GPR68 ITGA11;PIAS1;AAGAB	0.291304	2.216534	0.027976	0.337645
	-0.28181	-2.21626	0.027995	0.337663
	-0.26634	-2.21349	0.028188	0.33844
	0.256908	2.214006	0.028152	0.338314
	0.170608	2.217597	0.027902	0.337349
CAMTA1;HES2;ESPN;GPR153	0.202768	2.20938	0.028478	0.339339
	0.163796	2.211208	0.028349	0.339046
	-0.22126	-2.21404	0.02815	0.338314
	-0.15373	-2.21449	0.028118	0.338198
	0.130948	2.212937	0.028228	0.338539
	-0.12207	-2.20896	0.028508	0.339413
	-0.32453	-2.21335	0.028199	0.338452
	-0.32577	-2.21518	0.02807	0.337923
	0.265087	2.210885	0.028372	0.339131
	-0.19032	-2.21348	0.028189	0.33844
AZIN1 WDR24;LMF1;PIGQ;FBXL16	0.118665	2.210178	0.028422	0.339206
	-0.29503	-2.21764	0.027899	0.337338
	0.282938	2.213428	0.028193	0.33845
	-0.25217	-2.21583	0.028025	0.33775
	-0.23574	-2.21354	0.028185	0.33844
PHLPP1;BCL2	-0.23485	-2.21592	0.028019	0.337741
	0.135939	2.214355	0.028128	0.338252
	0.15879	2.215441	0.028052	0.337887
	-0.36162	-2.2156	0.028041	0.33783

	-0.30741	-2.21866	0.027828	0.337078
	-0.19912	-2.20666	0.028672	0.340179
	-0.19954	-2.21579	0.028028	0.337766
	0.154621	2.216047	0.02801	0.337699
	0.20664	2.211048	0.028361	0.339097
	0.320572	2.21512	0.028074	0.337965
	-0.16271	-2.20729	0.028627	0.339991
SLC7A5	0.212701	2.213571	0.028183	0.33844
	-0.17128	-2.2136	0.028181	0.33844
ADAM23;INO80D	0.267114	2.210622	0.028391	0.339168
TRBC2;FAM115C;KEL	0.220593	2.212208	0.028279	0.338769
MISP;MOB3A;HMHA1;ARID3A;MEX3D;ABHD17A;C19orf25;SHC 2	-0.37831	-2.21204	0.028291	0.338822
TTC39A;DMRTA2	0.332441	2.213484	0.028189	0.33844
	0.127147	2.212309	0.028272	0.338728
DNMBP;ERLIN1;ENTPD7	0.163753	2.212384	0.028266	0.338711
SECTM1	0.209424	2.213977	0.028155	0.338319
	0.230503	2.212461	0.028261	0.338674
	-0.3634	-2.21498	0.028084	0.338039
IKZF3	-0.16997	-2.2116	0.028321	0.338951
	0.186919	2.21316	0.028212	0.338511
	0.488185	2.205287	0.02877	0.340374
TBC1D10C;PTPRCAP;ADRBK1;FAM86C2P	0.242145	2.2151	0.028076	0.337972
	-0.19167	-2.21542	0.028054	0.337887
SEPT4;LPO;VEZF1;MRPS23;ENSG00000263004	-0.28874	-2.21387	0.028162	0.338368
	-0.16954	-2.21337	0.028197	0.338452
ENSG00000233936;LINC00094	0.213415	2.212939	0.028227	0.338539
	-0.17054	-2.21367	0.028176	0.33844
SNX29;TXNDC11	-0.33709	-2.21529	0.028063	0.337887
	-0.16092	-2.20928	0.028485	0.339373
	-0.19783	-2.21348	0.028189	0.33844
PPP1R18;GABBR1;PPP1R10;DHX16;PPP1R11	-0.37196	-2.21151	0.028328	0.338981
	0.322514	2.215291	0.028063	0.337887
	0.158497	2.207551	0.028608	0.339919
	-0.4256	-2.20946	0.028472	0.339325
	0.124812	2.210644	0.028389	0.339168
SCEL	0.312408	2.207371	0.028621	0.339982
	0.22897	2.213282	0.028203	0.338481
	0.258769	2.215186	0.02807	0.337923
IL1RN;SLC20A1	0.197782	2.214528	0.028116	0.338178
HIST1H2BB;HIST1H3A;HIST1H2AB	0.269671	2.216197	0.027999	0.337663
	0.269755	2.21163	0.028319	0.338951
	-0.24075	-2.21216	0.028282	0.33877
	0.223664	2.207324	0.028624	0.339983
	0.260245	2.213119	0.028215	0.338528
SMOC2;DACT2;MLLT4;FGFR1OP	-0.2061	-2.21248	0.02826	0.338674
	-0.24455	-2.21485	0.028094	0.338052

SDHB	-0.13183	-2.21465	0.028107	0.338125
	0.100439	2.21083	0.028376	0.339149
	-0.09645	-2.21041	0.028405	0.339188
	-0.12429	-2.20644	0.028687	0.340179
	-0.40045	-2.21289	0.028231	0.338557
	0.224832	2.21268	0.028246	0.338623
	0.224284	2.209909	0.028441	0.339247
	0.21409	2.206658	0.028672	0.340179
	TTC5;CCNB1IP1;ENSG00000258768;SALL2;RPPH1;APEX1;NDRG2;ANG			
	-0.24424	-2.20486	0.0288	0.34052
ENSG00000260604;BPHL;ENSG00000272320;SLC22A23;ENSG0000228793;SERPINB6	-0.34096	-2.21218	0.028281	0.338769
	0.184936	2.211662	0.028317	0.338951
	0.223518	2.209223	0.02849	0.339385
	0.249138	2.211926	0.028299	0.338844
	0.192903	2.211349	0.028339	0.338995
	0.233777	2.212838	0.028234	0.338588
	0.201914	2.216459	0.027981	0.337663
	0.272426	2.213415	0.028194	0.33845
	0.19829	2.214035	0.02815	0.338314
	CLDN7;BCL6B;ALOX12P2;ACAP1;POLR2A;TNFSF12;MYH10			
GNG7;GNA15;ZNF57;SCAMP4;OAZ1;AES RHOH;NSUN7	-0.2514	-2.21187	0.028303	0.338871
	-0.187	-2.20809	0.02857	0.339713
	-0.4115	-2.21129	0.028344	0.339018
	0.288453	2.213613	0.02818	0.33844
	-0.27307	-2.21562	0.028039	0.337828
	0.428663	2.213512	0.028187	0.33844
	0.228978	2.216246	0.027996	0.337663
	-0.30406	-2.21701	0.027943	0.337509
	0.195331	2.213376	0.028197	0.338452
	-0.26057	-2.21118	0.028351	0.339055
PCYT1A	0.105025	2.210062	0.02843	0.339217
	0.219106	2.212759	0.02824	0.338607
	-0.34429	-2.21101	0.028363	0.339097
	-0.21877	-2.21394	0.028157	0.338324
	-0.30826	-2.21402	0.028152	0.338314
	SRD5A1;KIAA0947;ENSG00000272520			
	ITGAL;ITGAX			
	KIF21B;PTPN7;TMEM9			
	TBC1D10C;GSTP1;TCIRG1;ADRBK1;UNC93B1;ALDH3B1;PTPRCA			
	P;PPP6R3			
AIM1	-0.30969	-2.21528	0.028063	0.337887
	-0.31298	-2.20961	0.028462	0.33929
	0.145082	2.210714	0.028384	0.339163
	-0.18959	-2.21033	0.028411	0.339188
	0.170612	2.214728	0.028102	0.338092
	0.279764	2.208591	0.028534	0.339504
	0.224074	2.208972	0.028507	0.339413
	0.174485	2.205238	0.028773	0.340379
	0.296438	2.214976	0.028085	0.338039
	-0.25998	-2.21145	0.028332	0.338985
SRSF9;OASL;COX6A1;TRIAP1;CCDC64				

RIN3	-0.31493	-2.21054	0.028396	0.339168
	0.252325	2.209031	0.028503	0.339411
	0.14889	2.210946	0.028368	0.339104
	0.151559	2.209442	0.028474	0.339329
SCNN1A;NTF3;IFFO1;ENSG00000257084;C1R	-0.23146	-2.21259	0.028252	0.338664
	-0.17872	-2.21188	0.028302	0.338871
	-0.11617	-2.2093	0.028484	0.339367
	0.25951	2.215281	0.028063	0.337887
BIN1;MYO7B;ENSG00000236682	-0.26949	-2.20914	0.028496	0.339396
	0.204494	2.20879	0.02852	0.339441
	0.361707	2.213557	0.028184	0.33844
	0.11663	2.216414	0.027984	0.337663
	0.180358	2.210013	0.028434	0.339232
	0.179231	2.211832	0.028305	0.338878
	-0.29265	-2.21434	0.028129	0.338252
	0.263646	2.21399	0.028154	0.338318
	0.269481	2.204329	0.028838	0.340685
	-0.39426	-2.20715	0.028637	0.34006
	0.179681	2.210719	0.028384	0.339163
TBC1D10C;CTSW;GSTP1;ALDH3B2;PITPNM1;RBM14;SPTBN2	-0.34977	-2.20979	0.028449	0.339266
	-0.25898	-2.21053	0.028397	0.339168
BAK1;HLA-DOB	-0.15219	-2.20672	0.028667	0.340178
	0.135344	2.213193	0.02821	0.338495
CERCAM;PKN3;DNM1;ODF2	0.214759	2.210078	0.028429	0.339217
	0.126431	2.202203	0.028991	0.341322
KLHDC7A;PADI2	-0.2838	-2.21115	0.028353	0.339059
	0.176194	2.208232	0.02856	0.339682
	0.257271	2.209437	0.028474	0.339329
	-0.26172	-2.20838	0.028549	0.339616
SP140	0.280959	2.2036	0.02889	0.340864
	0.23235	2.206573	0.028678	0.340179
	0.123534	2.208296	0.028555	0.339668
	0.154112	2.212971	0.028225	0.338539
SLC9A3;ENSG00000188242;CEP72	0.355078	2.210655	0.028388	0.339168
ABCA8;ABCA6;ABCA10	-0.31731	-2.21323	0.028207	0.338481
	0.270491	2.209571	0.028465	0.339301
	0.235608	2.214268	0.028134	0.338255
	0.190782	2.215051	0.028079	0.338005
	-0.13314	-2.21146	0.028331	0.338985
	0.150138	2.210545	0.028396	0.339168
	0.230527	2.208634	0.028531	0.339495
	0.196543	2.210319	0.028412	0.339188
NEU3	0.426491	2.216544	0.027975	0.337645
	0.410877	2.213622	0.028179	0.33844
	0.242038	2.210401	0.028406	0.339188
	0.221264	2.208648	0.02853	0.339494

LCNL1;RNF208;ENSG00000235117;UAP1L1	-0.24465	-2.20903	0.028503	0.339411
	-0.20018	-2.20444	0.02883	0.340669
	-0.34607	-2.20654	0.02868	0.340179
	0.403353	2.21533	0.02806	0.337887
	-0.21537	-2.2106	0.028392	0.339168
PANK2;RASSF2;ENSG00000233578	-0.25879	-2.2105	0.028399	0.339173
	0.329927	2.21057	0.028394	0.339168
	0.193984	2.210537	0.028397	0.339168
	0.443669	2.214447	0.028122	0.338227
	0.347264	2.210229	0.028418	0.339206
EGFLAM;DAB2;LIFR;OSMR	0.146335	2.20878	0.028521	0.339441
	-0.15545	-2.20538	0.028763	0.340374
MAP3K13	-0.25812	-2.21386	0.028163	0.338368
VN2R11P;HMHA1	0.277497	2.211422	0.028334	0.338985
TMEM219	0.292246	2.210831	0.028376	0.339149
TRMT10A	0.393782	2.213037	0.02822	0.338539
SEC61G;CCT6A;CHCHD2	0.249184	2.213729	0.028172	0.33843
IGFBP4;KRT23;MIEN1;ERBB2;THRA;MED24;NR1D1	-0.29901	-2.21308	0.028218	0.338539
	0.303664	2.212807	0.028237	0.338601
	-0.16028	-2.21486	0.028093	0.338052
	0.253156	2.212027	0.028292	0.338822
	0.192522	2.209615	0.028462	0.33929
RBM23;CDH24;ADCY4;GMPR2;RIPK3;DHRS4-AS1;EFS	-0.14229	-2.20971	0.028455	0.339272
	-0.16659	-2.20422	0.028846	0.340695
	-0.17667	-2.20574	0.028737	0.340298
KIAA0125;AHNAK2;GPR132;IGHJ3P;IGHG1;IGHA1;IGHG2;IGHV3-21;IGHG4;IGHM;IGHV1-2;IGHG3;IGHV4-34;IGHV3-23;C14orf79;IGHA2;INF2;IGHGP;ADSSL1;IGHV3-15	-0.318	-2.21069	0.028386	0.339168
	0.148475	2.212758	0.02824	0.338607
	0.295322	2.21101	0.028363	0.339097
	0.38961	2.213345	0.028199	0.338452
	0.154976	2.213543	0.028185	0.33844
ENSG00000229951;SUPT7L;EMILIN1;KRTCAP3	-0.22939	-2.21165	0.028318	0.338951
	0.251135	2.20938	0.028478	0.339339
	-0.16487	-2.20892	0.028511	0.339415
	-0.25086	-2.2121	0.028286	0.338808
	0.265086	2.212903	0.02823	0.338557
LCK	0.225486	2.205762	0.028736	0.340289
IQCE;HEATR2;PRKAR1B;SUN1				
MFNG;C22orf23				
ADAMTSL2;SARDH;AK8;GBGT1;LINC00094;C9orf171;C9orf9;SLC2A6;CACFD1;SURF2;RALGDS;GTF3C5;MED22;SURF6	-0.17245	-2.20682	0.02866	0.340141
	0.210576	2.210378	0.028408	0.339188
	-0.16523	-2.20887	0.028515	0.339435
	0.272248	2.208059	0.028572	0.339722
	-0.32274	-2.21176	0.028311	0.338909
PHLPP2;ST3GAL2;COG4;NQO1;MARVELD3;CMTR2;IL34	-0.25474	-2.21182	0.028306	0.338878
PIWIL4				

	-0.19455	-2.21192	0.028299	0.338844
	0.172623	2.21023	0.028418	0.339206
	-0.21164	-2.21283	0.028235	0.338588
	-0.15891	-2.20583	0.028731	0.34027
SP140;SP110;SP100;GPR55;SP140L	0.341862	2.212992	0.028224	0.338539
	0.340664	2.207326	0.028624	0.339983
	0.199438	2.213014	0.028222	0.338539
	0.215466	2.211814	0.028306	0.338878
	0.332341	2.210012	0.028434	0.339232
LCK;SDC3;DCDC2B;TINAGL1;MTMR9LP;ZBTB8A	-0.25199	-2.20809	0.02857	0.339713
NOVA2	-0.20443	-2.21324	0.028207	0.338481
	0.617571	2.21105	0.02836	0.339097
	-0.32826	-2.21058	0.028394	0.339168
	0.096787	2.205526	0.028752	0.340374
ZNRD1	0.255864	2.209549	0.028466	0.339301
	-0.13275	-2.20299	0.028934	0.341072
	0.265382	2.206947	0.028651	0.340087
CARD8;HRC;RASIP1;PLA2G4C	0.201935	2.210727	0.028383	0.339163
	0.260891	2.212036	0.028291	0.338822
	-0.12943	-2.21232	0.028271	0.338728
	0.212299	2.20763	0.028603	0.339891
	-0.35503	-2.21037	0.028408	0.339188
	-0.28165	-2.21344	0.028192	0.33845
	-0.22171	-2.21247	0.028261	0.338674
LCK	0.190734	2.211983	0.028295	0.338824
	-0.16842	-2.21161	0.028321	0.338951
	0.245065	2.21177	0.02831	0.338906
	-0.20408	-2.21109	0.028357	0.339096
	0.27352	2.210993	0.028364	0.339097
ING2	0.376205	2.210758	0.028381	0.339163
	-0.21999	-2.21027	0.028415	0.339206
	-0.20766	-2.21013	0.028426	0.339206
SIRPG;NSFL1C	0.215624	2.210121	0.028426	0.339206
	0.219963	2.206191	0.028705	0.340229
	-0.25537	-2.21063	0.02839	0.339168
	-0.15194	-2.20936	0.02848	0.339339
	-0.22356	-2.20885	0.028516	0.339435
	-0.29905	-2.21361	0.02818	0.33844
	-0.5497	-2.2125	0.028258	0.338674
PTP4A3;DENND3;AGO2	-0.24199	-2.20431	0.028839	0.340685
	0.234413	2.205394	0.028762	0.340374
MAP7;IL20RA;MYB;PEX7;BCLAF1	-0.32743	-2.20878	0.028521	0.339441
	0.408779	2.209543	0.028467	0.339301
	0.289616	2.206751	0.028665	0.34016
	0.328149	2.212744	0.028241	0.338607
	0.189328	2.200639	0.029103	0.341682
	-0.31175	-2.21106	0.028359	0.339097

	0.173223	2.210984	0.028365	0.339097
ATRN	0.268232	2.208606	0.028533	0.339501
	0.258118	2.212554	0.028254	0.338664
GNG7;ZNF57;GIPC3;GNA15;S1PR4;MATK;AES;TJP3	-0.30777	-2.21239	0.028266	0.338711
BTG4;POU2AF1;C11orf88;ENSG00000255208;ENSG00000255093;ENSG00000254980;ENSG00000255428;MIR34C;COLCA1;C				
OLCA2	-0.22858	-2.20992	0.02844	0.339247
ASS1P1	0.379714	2.211979	0.028295	0.338824
	0.232123	2.206014	0.028718	0.340234
PTPRG	0.272995	2.204934	0.028795	0.3405
	0.194068	2.209661	0.028459	0.339272
SNORA74A	0.257601	2.210123	0.028426	0.339206
	0.261309	2.213288	0.028203	0.338481
EXOC3L4;TNFAIP2	-0.28808	-2.21045	0.028402	0.339188
	-0.29681	-2.20978	0.02845	0.339266
	-0.18274	-2.20775	0.028594	0.339845
	-0.41608	-2.21025	0.028417	0.339206
	0.257917	2.210634	0.02839	0.339168
	-0.31856	-2.21226	0.028275	0.33876
	-0.29498	-2.21256	0.028254	0.338664
MYO1F;PRAM1	-0.24725	-2.20074	0.029096	0.341671
	0.232947	2.212193	0.02828	0.338769
APBA2;RPL41P2;OCA2	0.250132	2.211691	0.028315	0.338951
	0.14223	2.211161	0.028353	0.339059
	0.132995	2.20918	0.028493	0.339392
	0.258437	2.213639	0.028178	0.33844
	0.165369	2.208384	0.028549	0.339616
	0.341338	2.208165	0.028565	0.339706
	-0.29483	-2.21161	0.028321	0.338951
	-0.24021	-2.20968	0.028457	0.339272
	-0.26279	-2.21125	0.028346	0.339024
CACNA1I;FAM227A;CBY1	-0.44168	-2.20722	0.028632	0.340036
	0.119473	2.207319	0.028625	0.339983
	-0.27287	-2.20992	0.02844	0.339247
	0.300869	2.206819	0.02866	0.340141
	-0.18378	-2.20581	0.028732	0.340275
IDH1;KLF7;PLEKHM3	-0.27814	-2.21247	0.028261	0.338674
	-0.20097	-2.2114	0.028336	0.338985
ZDHC4	-0.13821	-2.20917	0.028493	0.339392
TNRC6C;C1QTNF1;TIMP2;TMC8;ENSG00000178404;TK1	-0.61397	-2.21275	0.028241	0.338607
	-0.22355	-2.21222	0.028278	0.338769
	0.239422	2.209896	0.028442	0.339247
	0.140969	2.207769	0.028593	0.339845
PPP1R15A	0.151846	2.209223	0.02849	0.339385
	0.203726	2.210988	0.028365	0.339097
TRAP1	-0.3129	-2.21079	0.028379	0.339161
	0.179155	2.208122	0.028568	0.339706

	0.253734	2.197994	0.029295	0.342384
TMEM17;MDH1;B3GNT2	0.291213	2.205271	0.028771	0.340374
HCP5;HLA-B;MICB;PPP1R10;HLA-				
DRA;HSPA1A;PPP1R18;GPSM3;HLA-C;HSPA1B	0.318834	2.212578	0.028253	0.338664
	-0.18029	-2.20927	0.028486	0.339373
	0.215444	2.210341	0.02841	0.339188
	0.243844	2.211842	0.028305	0.338878
IL32;HN1L;HAGH;HS3ST6;IFT140;CCDC64B;ENSG00000205890;				
ENSG00000262370;ENSG00000272079	-0.33764	-2.21264	0.028248	0.338644
	-0.31778	-2.21301	0.028222	0.338539
	-0.25049	-2.20658	0.028677	0.340179
	-0.23167	-2.20389	0.02887	0.340771
	0.186881	2.210856	0.028374	0.339146
LYAR	0.160725	2.197774	0.029311	0.342402
	0.264277	2.210498	0.028399	0.339173
	-0.1343	-2.20983	0.028446	0.33925
37681	-0.20209	-2.2073	0.028626	0.339988
	0.297154	2.210243	0.028417	0.339206
	-0.22732	-2.20947	0.028472	0.339325
	0.20891	2.208667	0.028529	0.339494
	-0.2446	-2.20972	0.028454	0.339272
SLC39A7;PSMB8;HLA-DMB;PSMB9;HLA-DMA;HLA-				
DRA;TAP1;TAPSAR1	0.226467	2.202359	0.028979	0.341285
PLBD2;TBX3;TBX5;IQCD;DTX1	-0.32025	-2.19687	0.029377	0.342662
TICRR;HMGB1P8;FANCI;HAPLN3	-0.35558	-2.20467	0.028814	0.340593
	-0.24703	-2.20794	0.028581	0.339791
EPB41L4B;IKBKAP	0.298154	2.212541	0.028255	0.338664
SYT5;ZNF471	0.478165	2.203476	0.028899	0.340913
C1QTNF2;FABP6;EBF1;ENSG00000247699;ENSG00000253811	0.181667	2.203323	0.02891	0.340966
	0.123294	2.208242	0.028559	0.339682
	-0.17245	-2.20904	0.028503	0.339411
	0.218028	2.208438	0.028545	0.339595
	0.263579	2.210125	0.028426	0.339206
	-0.34386	-2.21071	0.028384	0.339163
	-0.15643	-2.2078	0.02859	0.339845
	-0.12015	-2.1994	0.029193	0.34207
	-0.20811	-2.21125	0.028346	0.339024
	0.254238	2.211332	0.02834	0.339
FES;PEX11A	-0.30658	-2.2039	0.028868	0.340767
	-0.40741	-2.21339	0.028196	0.338452
	0.18583	2.211426	0.028334	0.338985
	0.140769	2.207632	0.028602	0.339891
	0.231807	2.209758	0.028452	0.339266
	0.218584	2.209963	0.028437	0.339235
ENSG00000231826;PLEKHH2;HAAO	-0.28798	-2.20998	0.028436	0.339235
PKDREJ;CERK	0.633665	2.212551	0.028255	0.338664



SPOCK2 LAMA2;EPB41L2;SAMD3	-0.20362	-2.20882	0.028518	0.339441
	-0.16367	-2.20443	0.028831	0.340669
	0.274294	2.2095	0.02847	0.339324
	-0.37634	-2.20913	0.028496	0.339396
ZDHHC11	0.283227	2.209834	0.028446	0.33925
	-0.14273	-2.20112	0.029068	0.341624
	0.291883	2.210179	0.028422	0.339206
	0.255321	2.20636	0.028693	0.340179
PIGU;ERGIC3;DYNLRB1	0.269573	2.209848	0.028445	0.33925
	0.238598	2.210939	0.028368	0.339104
	0.230723	2.202021	0.029004	0.341328
	0.202112	2.211275	0.028345	0.33902
C17orf58	0.21908	2.206956	0.02865	0.340087
	-0.30405	-2.20659	0.028677	0.340179
	-0.31831	-2.21353	0.028186	0.33844
	0.223684	2.211199	0.02835	0.339046
GJC1;MEOX1;TMEM106A	-0.26475	-2.20935	0.028481	0.339339
	0.192612	2.208318	0.028554	0.339659
	-0.14941	-2.20896	0.028509	0.339413
	0.347597	2.209013	0.028504	0.339411
	0.243199	2.208931	0.02851	0.339415
	-0.22239	-2.21054	0.028396	0.339168
	-0.23073	-2.20913	0.028496	0.339396
	0.12835	2.208136	0.028567	0.339706
	-0.18503	-2.20976	0.028452	0.339266
	0.239964	2.205971	0.028721	0.340244
	-0.22276	-2.20694	0.028652	0.340087
	0.275722	2.207951	0.02858	0.339789
	0.151996	2.206498	0.028683	0.340179
	0.217029	2.210362	0.028409	0.339188
	-0.26729	-2.2078	0.02859	0.339845
	-0.33829	-2.20918	0.028492	0.339392
ELP5;KCTD11;ARHGEF15;CTC1;ACAP1 ENSG00000213080;FCGR3B;USF1;MPZ;SDHC;HSPA6;F11R;OLF ML2B;PVRL4;NCSTN;COPA;FCER1G	-0.31114	-2.20655	0.028679	0.340179
	-0.2149	-2.20709	0.028641	0.340064
	-0.22366	-2.21103	0.028362	0.339097
	0.248057	2.206328	0.028695	0.340197
GBP1	0.224007	2.210714	0.028384	0.339163
	0.202286	2.210399	0.028406	0.339188
	0.218871	2.210052	0.028431	0.339217
	0.230646	2.20627	0.028699	0.340213
HCP5	-0.31896	-2.21008	0.028429	0.339217
	-0.15571	-2.20588	0.028727	0.340247
SPG20	0.180141	2.209537	0.028467	0.339301
	-0.25843	-2.20856	0.028536	0.339517
	-0.2281	-2.20895	0.028509	0.339413
	-0.29276	-2.20879	0.02852	0.339441

	-0.2265	-2.20054	0.02911	0.341703
	-0.28066	-2.21199	0.028294	0.338824
	0.215485	2.206925	0.028653	0.340087
	-0.24423	-2.20968	0.028457	0.339272
	0.1578	2.210797	0.028378	0.339161
	0.198785	2.207671	0.0286	0.339891
	-0.30221	-2.20405	0.028858	0.340753
	0.317626	2.209671	0.028458	0.339272
	0.247782	2.209868	0.028444	0.33925
	0.208814	2.207659	0.028601	0.339891
	0.187227	2.204941	0.028794	0.3405
	-0.2579	-2.20711	0.02864	0.340064
HES2;KCNAB2	-0.31313	-2.21096	0.028367	0.339104
	-0.2274	-2.20543	0.02876	0.340374
	-0.27113	-2.21148	0.02833	0.338985
	0.18488	2.204015	0.02886	0.340753
	-0.2078	-2.20886	0.028515	0.339435
	-0.23318	-2.20793	0.028582	0.339791
	0.242431	2.20907	0.0285	0.339411
	0.234582	2.208648	0.02853	0.339494
ASS1;TOR1A;TOR1B	0.167469	2.207052	0.028644	0.340064
	0.220252	2.20589	0.028726	0.340247
	0.189664	2.20912	0.028497	0.339398
	0.19229	2.201255	0.029059	0.341588
GTF2E2;GSR;RBPMS;KIF13B;HMBOX1;DUSP4	0.294721	2.209988	0.028435	0.339235
	-0.24155	-2.20663	0.028674	0.340179
	0.235062	2.211395	0.028336	0.338985
	0.237282	2.207621	0.028603	0.339891
ENSG00000259901	-0.24812	-2.20568	0.028741	0.340308
	-0.30139	-2.20967	0.028458	0.339272
SNAI2	0.226345	2.207895	0.028584	0.339799
	0.182954	2.208648	0.02853	0.339494
GRIN2C	-0.28864	-2.20614	0.028709	0.340231
	0.243435	2.205319	0.028767	0.340374
	-0.16131	-2.209	0.028505	0.339411
RASAL3;MYO9B	0.274726	2.209592	0.028463	0.339293
	-0.34112	-2.20947	0.028472	0.339325
	0.296065	2.210161	0.028423	0.339206
	0.198894	2.207032	0.028645	0.340064
NFASC;MDM4	-0.2424	-2.20552	0.028753	0.340374
	0.306525	2.204583	0.02882	0.340616
	0.105597	2.2067	0.028669	0.340179
C17orf62	-0.23875	-2.2079	0.028583	0.339799
TSPAN32;NAP1L4;CARS;C11orf21	-0.37189	-2.21019	0.028421	0.339206
MOK;WDR20;MEG3	-0.30631	-2.20938	0.028479	0.339339
	-0.24571	-2.20701	0.028646	0.34007
ARID5A;CNNM4	-0.29231	-2.2055	0.028754	0.340374

	0.241295	2.208476	0.028543	0.339573
	0.238492	2.207365	0.028621	0.339982
COL6A3;RAB17;RBM44;HES6	0.318818	2.206542	0.02868	0.340179
SERPINB1;WRNIP1;SERPINB6;SLC22A23	-0.29984	-2.20753	0.028609	0.339924
FANCA	-0.23773	-2.20235	0.02898	0.341285
	0.142876	2.206031	0.028716	0.340234
RHOH	-0.33838	-2.21141	0.028335	0.338985
	-0.31822	-2.19998	0.029151	0.341936
ISCA2	-0.34221	-2.21098	0.028365	0.339097
EPX;MSI2;MKS1;GDPD1	0.339194	2.204759	0.028807	0.340552
MAPK15	0.155513	2.207618	0.028603	0.339891
CCDC40;TMC8	-0.20698	-2.20644	0.028687	0.340179
ENSG00000225205	0.214249	2.206151	0.028708	0.340231
KXD1;COPE;CCDC124;JUND	0.220906	2.208193	0.028563	0.339698
	-0.16381	-2.20704	0.028645	0.340064
	0.345593	2.20295	0.028937	0.341074
	-0.21881	-2.20646	0.028686	0.340179
	0.161619	2.205894	0.028726	0.340247
EBF3	0.23626	2.207412	0.028618	0.339977
RNPEP;KIF21B;PTPN7;ELF3;CYB5R1;PPP1R12B;CSRP1;LMOD1;N				
AV1;TMEM183A;KDM5B;LGR6;ADIPOR1;SHISA4	-0.19849	-2.20482	0.028803	0.340521
	0.185999	2.210723	0.028383	0.339163
SLC17A9	0.253053	2.211349	0.028339	0.338995
	0.212554	2.209654	0.028459	0.339272
	0.270169	2.208733	0.028524	0.339469
	0.384582	2.20278	0.028949	0.341081
HLA-F;HLA-F-AS1	-0.26876	-2.20776	0.028593	0.339845
	0.194729	2.207514	0.028611	0.339928
	0.27088	2.20339	0.028905	0.340954
DKK3;MICALCL;TEAD1	-0.26888	-2.20364	0.028888	0.340861
CPXM2;CTBP2;GPR26;LHPP;OAT	-0.28631	-2.20637	0.028692	0.340179
	0.290649	2.204929	0.028795	0.3405
SLC7A5	0.214029	2.201696	0.029027	0.341406
	-0.22492	-2.2043	0.02884	0.340685
	0.243015	2.205141	0.02878	0.340433
	-0.18774	-2.20496	0.028793	0.3405
STAB1;SEMA3G;PPM1M;ABHD14B;PBRM1;DOCK3;PCBP4	-0.24153	-2.20524	0.028773	0.340379
ABI3	-0.35314	-2.21055	0.028395	0.339168
TNFRSF14;MEGF6	0.131617	2.207661	0.0286	0.339891
SCARF1;FAM101B;FAM57A;INPP5K	-0.29974	-2.20866	0.028529	0.339494
	-0.21523	-2.20221	0.02899	0.341322
	0.312006	2.206905	0.028654	0.340087
	0.202279	2.205423	0.02876	0.340374
	-0.24582	-2.20852	0.02854	0.339547
STK17A	0.156154	2.210345	0.02841	0.339188
ARHGEF10;MYOM2;CSMD1	0.342487	2.202976	0.028935	0.341072

	0.165946	2.209214	0.02849	0.339385
CD93	0.360597	2.204702	0.028811	0.340581
RASAL3;EMR2	-0.26298	-2.20926	0.028487	0.339376
PRKCQ;IL2RA	-0.33723	-2.20481	0.028804	0.340521
	0.158878	2.20483	0.028802	0.34052
	0.287274	2.210311	0.028413	0.339188
ENSG00000259881;RNF166	0.198821	2.206302	0.028697	0.340204
ZNF334	0.153036	2.205374	0.028763	0.340374
	0.288097	2.206071	0.028714	0.340234
	0.174099	2.201803	0.029019	0.341369
	-0.14181	-2.20785	0.028587	0.339828
EPPIN;CD40;HSPD1P21;WFDC3	0.201152	2.208269	0.028557	0.339677
	-0.17631	-2.20605	0.028715	0.340234
HSH2D;RASAL3	-0.18489	-2.20594	0.028723	0.340247
	-0.20072	-2.20457	0.028821	0.34062
AGAP2;ARHGAP9	0.285072	2.207332	0.028624	0.339983
HTRA1	-0.24106	-2.20707	0.028642	0.340064
SLMO2	-0.35207	-2.20338	0.028906	0.340954
EFHC1;GCLC;TRAM2;GSTA1;TMEM14A;ENSG00000216775;GSTA7P;PAQR8;GSTA2	-0.41432	-2.2057	0.02874	0.340302
	0.279321	2.206509	0.028682	0.340179
EVL	-0.22976	-2.20314	0.028923	0.341014
	0.210958	2.206509	0.028682	0.340179
	-0.20318	-2.20589	0.028727	0.340247
HCP5;HLA-B;TAP1;TAP2;HLA-DMA;HLA-DOA;MICB;HLA-DMB;TAPSAR1;HSPA1A;PSMB9	0.251346	2.208262	0.028558	0.339677
	0.275679	2.204255	0.028843	0.340695
	-0.14318	-2.19735	0.029341	0.34251
	-0.28154	-2.2074	0.028619	0.339977
	0.205686	2.204113	0.028853	0.340731
ARHGAP26	0.290109	2.2094	0.028477	0.339339
	0.230699	2.209808	0.028448	0.339262
	0.136588	2.19887	0.029231	0.342154
	0.108395	2.206993	0.028648	0.340078
	-0.19037	-2.20465	0.028815	0.340599
	0.217021	2.208898	0.028513	0.339424
	-0.25057	-2.20636	0.028693	0.340179
	-0.17416	-2.20432	0.028839	0.340685
	0.16398	2.202641	0.028959	0.341129
	-0.20048	-2.20513	0.02878	0.340433
PARP14	-0.20174	-2.20623	0.028702	0.340229
	0.202136	2.207041	0.028644	0.340064
	-0.28348	-2.19848	0.029259	0.342287
	-0.27894	-2.20313	0.028924	0.34102
	0.246573	2.198968	0.029224	0.342154
	0.325393	2.209351	0.02848	0.339339
	0.245379	2.204995	0.02879	0.340494

BAIAP2;RNF213;SLC25A10	0.338221	2.203757	0.028879	0.340825
	0.214468	2.208825	0.028518	0.339441
	-0.17945	-2.20462	0.028817	0.340599
	0.221004	2.207188	0.028634	0.340046
	-0.28399	-2.20814	0.028566	0.339706
	0.200302	2.205905	0.028725	0.340247
	0.344309	2.203104	0.028926	0.341029
	-0.1989	-2.20617	0.028707	0.340231
	0.226963	2.202512	0.028968	0.341201
	0.184429	2.204267	0.028842	0.340695
	0.100323	2.203268	0.028914	0.340987
CTTN;MRGPRF;TPCN2;ENSG00000256508	-0.49883	-2.20486	0.0288	0.34052
	-0.25465	-2.20293	0.028939	0.341074
	-0.18476	-2.21034	0.02841	0.339188
HMBOX1	0.207694	2.203623	0.028889	0.340863
	0.184491	2.205922	0.028724	0.340247
ADCY4;PSME1;PSME2;NEDD8;GMPR2;SLC22A17;GZMB;EFS	-0.25779	-2.20657	0.028678	0.340179
	-0.17193	-2.20444	0.02883	0.340669
	0.318537	2.210191	0.028421	0.339206
KCNA3	-0.25715	-2.20799	0.028577	0.339762
	0.276529	2.207766	0.028593	0.339845
TMEM14B;SYCP2L;TMEM14C;NEDD9;C6orf52	-0.33434	-2.2025	0.028969	0.341202
	0.255236	2.207484	0.028613	0.339928
	0.272843	2.206761	0.028664	0.34016
	-0.33219	-2.20712	0.028639	0.340064
FBLIM1;DNAJC16;KAZN;FHAD1;SPEN;EFHD2	0.237757	2.203784	0.028877	0.340825
	0.186141	2.207501	0.028612	0.339928
	-0.22283	-2.20602	0.028717	0.340234
LRRC31	0.209112	2.206297	0.028697	0.340204
	-0.39524	-2.20592	0.028724	0.340247
	-0.27647	-2.20275	0.028951	0.341083
	0.345597	2.206419	0.028689	0.340179
EGFL7;PTGDS;LCNL1;UAP1L1;TUBB4B	0.23519	2.207211	0.028632	0.340036
GATA2;ENSG00000244300;RUVBL1;COPG1;RPN1;KIAA1257;H1 FX-AS1;IFT122;ENSG00000187695;EFCAB12	-0.32042	-2.20614	0.028709	0.340231
	0.208121	2.203677	0.028885	0.340845
C6orf120;PSMB1	0.253023	2.200998	0.029077	0.341656
	-0.20255	-2.2057	0.02874	0.340302
SQRDL	0.287499	2.204851	0.028801	0.34052
	-0.29321	-2.20812	0.028568	0.339706
CARS;MRPL23;MOB2;TSPAN32;NAP1L4;IGF2 TGFB1I1;ZNF688;SETD1A;C16orf93;PHKG2	-0.18799	-2.19206	0.029728	0.344052
	0.231484	2.206005	0.028718	0.340234
	0.219669	2.207061	0.028643	0.340064
	0.253424	2.20677	0.028664	0.34016
	0.267238	2.202725	0.028953	0.341083
	0.173206	2.205333	0.028766	0.340374

	-0.18406	-2.20064	0.029103	0.341682
	0.278872	2.199644	0.029175	0.341988
STRA13	-0.21121	-2.20665	0.028672	0.340179
	-0.29258	-2.2009	0.029084	0.341665
	0.202216	2.206621	0.028674	0.340179
	0.089072	2.199471	0.029188	0.342043
	0.228522	2.205543	0.028751	0.340374
CASP8;ENSG00000182329;ICA1L;ALS2CR12;ALS2;FZD7;ENSG0000222035;ENSG00000236047;NDUFB3;SUMO1;ENSG00000238770;CASP10	-0.23334	-2.20182	0.029018	0.341368
	0.182951	2.204353	0.028836	0.340685
	0.211976	2.207373	0.028621	0.339982
	0.261838	2.205843	0.02873	0.340268
	0.283856	2.207584	0.028606	0.339909
	0.341323	2.204066	0.028857	0.340752
	0.195375	2.204947	0.028794	0.3405
RIPK1	-0.19093	-2.20691	0.028654	0.340087
	-0.238	-2.20895	0.028509	0.339413
	0.219073	2.203596	0.028891	0.340864
	0.187375	2.20501	0.028789	0.340494
	0.204827	2.204614	0.028818	0.340599
	0.306922	2.205789	0.028734	0.340285
ITGAL;CORO1A	-0.28012	-2.20609	0.028713	0.340234
	0.174481	2.201665	0.029029	0.341417
	-0.22124	-2.20416	0.02885	0.340719
	0.191544	2.205976	0.02872	0.340244
GPSM3;LST1;AIF1	0.256697	2.204126	0.028853	0.34073
	-0.40937	-2.20315	0.028922	0.341014
	-0.175	-2.20523	0.028774	0.340379
	0.150451	2.207171	0.028635	0.340051
	-0.39382	-2.20177	0.029022	0.341391
ENSG00000248441;NR2F2;ENSG00000259763	-0.42939	-2.20531	0.028768	0.340374
	0.208423	2.206456	0.028686	0.340179
RBM33	-0.37486	-2.20655	0.02868	0.340179
LINC00702;PFKP	-0.34141	-2.20644	0.028687	0.340179
	-0.14477	-2.20601	0.028718	0.340234
	-0.37791	-2.20626	0.0287	0.340213
	0.238692	2.203766	0.028878	0.340825
	0.203238	2.206367	0.028692	0.340179
KRT18;ITGB7;KRT7;KRT4;ATP5G2;MAP3K12;KRT8	-0.20658	-2.20637	0.028692	0.340179
	-0.28229	-2.20533	0.028766	0.340374
	0.197797	2.204383	0.028834	0.340685
TMEM14B;MAK;SYCP2L;NEDD9	-0.27113	-2.19701	0.029366	0.342631
	0.234968	2.204666	0.028814	0.340593
	-0.41478	-2.20805	0.028573	0.339722
	-0.34231	-2.20527	0.028771	0.340374
SNTB2;ESRP2;SMPD3;FAM65A	-0.38967	-2.20124	0.02906	0.341588

RCAN3;STPG1;IL22RA1	0.250798	2.208224	0.02856	0.339682
	0.19884	2.202626	0.02896	0.341133
	0.201659	2.201215	0.029062	0.341595
	0.806843	2.203965	0.028864	0.340753
	-0.23323	-2.2054	0.028761	0.340374
	0.293489	2.20621	0.028704	0.340229
	0.332973	2.2064	0.02869	0.340179
	-0.19021	-2.20277	0.02895	0.341081
	-0.17129	-2.20089	0.029085	0.341665
	-0.32608	-2.20348	0.028899	0.340913
PITPNM2;HCAR2;HCAR3	-0.38231	-2.20065	0.029102	0.341682
PLEKHB2	-0.18001	-2.19507	0.029508	0.343298
ADM2	-0.24958	-2.20284	0.028945	0.341081
ZCCHC24;PIIF;ZMIZ1	0.262544	2.205445	0.028758	0.340374
LRRC31	0.244644	2.204368	0.028835	0.340685
TTLL4;RUFY4;STK36	0.277002	2.206067	0.028714	0.340234
	-0.23625	-2.20214	0.028995	0.341328
	0.201972	2.208625	0.028532	0.339495
	0.128223	2.2062	0.028704	0.340229
	0.202441	2.203579	0.028892	0.340864
	0.144454	2.203909	0.028868	0.340767
	-0.23527	-2.19764	0.02932	0.342429
	0.230356	2.199928	0.029155	0.341946
	0.24046	2.203552	0.028894	0.340867
	-0.24749	-2.20357	0.028893	0.340864
THSD7A	-0.23936	-2.20306	0.028929	0.341058
	-0.17427	-2.20398	0.028863	0.340753
	0.242062	2.206075	0.028713	0.340234
	0.200393	2.195284	0.029492	0.343229
KCND3;ENSG00000231246;RAP1A;SLC16A4;ENSG0000025983 4;ENSG00000261654;WDR77;C1orf162;LAMTOR5;KCNA3	0.269808	2.204211	0.028846	0.340695
	-0.12385	-2.20059	0.029106	0.341688
	0.301031	2.202019	0.029004	0.341328
	0.191737	2.204314	0.028839	0.340685
	-0.29411	-2.20424	0.028845	0.340695
LAT2;WBSCR22	-0.15448	-2.20205	0.029002	0.341328
ENSG00000176593	-0.23392	-2.20706	0.028643	0.340064
	0.173468	2.205314	0.028768	0.340374
	-0.12119	-2.19684	0.029378	0.342662
	0.171861	2.205156	0.028779	0.340433
	0.135043	2.201903	0.029012	0.341355
UBXN11	-0.17337	-2.20023	0.029133	0.341834
	-0.15201	-2.20335	0.028908	0.340966
	-0.25542	-2.20225	0.028987	0.341305
	-0.24514	-2.20118	0.029064	0.341596
	0.334881	2.203697	0.028883	0.340838
ZNF876P;ZNF732;PDE6B				

C11orf49	0.200454	2.203209	0.028918	0.340997
	0.253113	2.205363	0.028764	0.340374
	-0.2656	-2.20613	0.028709	0.340231
DCDC2B;TINAGL1;FNDC5;COL16A1;SYNC;IQCC;ZBTB8A;TMEM39B;MTMR9LP;TMEM234;FABP3	-0.22628	-2.19766	0.029319	0.342429
TMC4;HSPBP1;DNAAF3;BRSK1;PPP1R12C	-0.31731	-2.20692	0.028653	0.340087
	0.17562	2.203965	0.028864	0.340753
TRIM27	0.227332	2.200117	0.029141	0.341886
FBXO25	0.347554	2.205578	0.028749	0.340374
GYPC	-0.36991	-2.20757	0.028607	0.339909
PPP1R18;DDR1;TNXB;SLC44A4;CLIC1;NELFE;PPP1R11;MRPS18B;MDC1;HSPA1A	-0.24209	-2.19592	0.029445	0.342982
	0.190902	2.201514	0.02904	0.341436
	0.245876	2.20384	0.028873	0.340802
	0.279256	2.195252	0.029494	0.343233
	0.170767	2.19264	0.029685	0.343947
	-0.16544	-2.19967	0.029173	0.341988
	0.118644	2.203189	0.02892	0.341004
	0.402798	2.205519	0.028753	0.340374
	-0.27086	-2.20163	0.029032	0.341417
FAM201A;ENSG00000198416	-0.26639	-2.19908	0.029216	0.342129
	-0.19992	-2.20374	0.02888	0.340825
	0.205604	2.202868	0.028943	0.341078
	0.1796	2.206669	0.028671	0.340179
CALD1;FAM180A;EXOC4;LRGUK;C7orf73;CNOT4	0.38282	2.201072	0.029072	0.34165
GABBR1;DHX16;DDR1;TRIM26;TRIM31;HLA-A	0.442803	2.203964	0.028864	0.340753
MRPL33	0.252004	2.206066	0.028714	0.340234
	-0.32158	-2.20642	0.028689	0.340179
SSBP3;ENSG00000272091;ENSG00000197015	-0.32905	-2.20366	0.028886	0.340851
HAAO;OXER1;MTA3;COX7A2L;FTOP1	0.325472	2.199513	0.029185	0.342043
DDX54;SDS;ENSG00000199899;CCDC42B;RITA1;IQCD;PLBD2	0.223218	2.204096	0.028855	0.340736
RARRES3	-0.29845	-2.2008	0.029092	0.341671
	-0.25437	-2.20324	0.028916	0.340994
ZDHC1;TSNAXIP1;CES4A;TPPP3;GFOD2;RRAD;ENKD1;SMPD3;LRRC36;RANBP10;ZFP90;CDH3;CMTM4;PLEKHG4;ATP6V0D1;HSD11B2;SLC12A4;EXOC3L1;DUS2;E2F4;SLC7A6	-0.23915	-2.19823	0.029277	0.342321
XPNPEP1	0.31345	2.205039	0.028787	0.340494
NUP37	0.343221	2.203975	0.028863	0.340753
	0.22844	2.201169	0.029065	0.341596
	-0.36588	-2.2021	0.028998	0.341328
	0.157124	2.197947	0.029298	0.342395
	-0.22159	-2.20563	0.028745	0.340341
	0.148108	2.200102	0.029142	0.341889
	-0.35384	-2.19827	0.029274	0.34232
	0.594491	2.199155	0.02921	0.342111



BTBD9	-0.35571	-2.19985	0.02916	0.341954
	0.299267	2.199667	0.029173	0.341988
	0.129773	2.198281	0.029274	0.34232
	0.224992	2.199263	0.029203	0.342076
	-0.17912	-2.1991	0.029214	0.342118
	0.150064	2.190204	0.029865	0.344638
	0.15181	2.204895	0.028798	0.340513
	-0.17055	-2.19984	0.029161	0.341954
	-0.20163	-2.20437	0.028835	0.340685
	-0.15869	-2.20119	0.029064	0.341596
	-0.24878	-2.19928	0.029201	0.342076
RNF223;PRKCZ;ENSG00000223764	0.132518	2.197935	0.029299	0.342396
	0.271728	2.204505	0.028825	0.340654
	0.157516	2.205717	0.028739	0.340302
	-0.16965	-2.20287	0.028942	0.341078
	0.260498	2.204999	0.02879	0.340494
DRD2;NXPE2;ENSG00000270179;TMPRSS5	-0.34582	-2.19899	0.029223	0.342154
	0.16187	2.2015	0.029041	0.341436
	-0.31051	-2.20543	0.02876	0.340374
	0.225462	2.202735	0.028952	0.341083
	-0.16833	-2.198	0.029294	0.342384
ATP5O	-0.15737	-2.20214	0.028995	0.341328
	0.286762	2.202572	0.028964	0.341169
RAMP3;CCM2	0.271485	2.20096	0.02908	0.341656
	0.262426	2.20337	0.028907	0.340954
	0.229208	2.199309	0.029199	0.342076
	0.158049	2.204623	0.028817	0.340599
	-0.33406	-2.20418	0.028849	0.34071
LAMC2;LAMC1;NCF2;COLGALT2 RNU1-4	-0.35994	-2.20089	0.029085	0.341665
	-0.16812	-2.20173	0.029024	0.341406
	0.170717	2.202661	0.028958	0.341122
	-0.28558	-2.20103	0.029075	0.341656
	-0.16161	-2.20298	0.028935	0.341072
	0.264258	2.202293	0.028984	0.341293
	0.249181	2.201984	0.029006	0.341333
	-0.28541	-2.19921	0.029207	0.342101
	-0.33071	-2.20357	0.028892	0.340864
	-0.28624	-2.19786	0.029304	0.342401
IDH3B	0.104396	2.202995	0.028934	0.341072
PAM	-0.2195	-2.20156	0.029037	0.341428
	-0.21382	-2.2051	0.028783	0.340448
TAL1	-0.23783	-2.20215	0.028995	0.341328
	-0.24838	-2.2053	0.028769	0.340374
	0.157957	2.203323	0.02891	0.340966
	-0.26142	-2.20533	0.028766	0.340374
	-0.30415	-2.2019	0.029012	0.341355
TAP2;HLA-DMA;HSD17B8;TAP1;RING1;TAPSAR1;ZBTB9 TRMT12;FER1L6	-0.28338	-2.20543	0.028759	0.340374

DNMBP;ERLIN1	-0.26756	-2.20317	0.028921	0.341014
RNF6;MTMR6	0.2011	2.203937	0.028866	0.340757
	0.155136	2.203769	0.028878	0.340825
	0.25251	2.191898	0.02974	0.3441
PTPN7	0.18389	2.204433	0.028831	0.340669
	0.16169	2.202976	0.028935	0.341072
	0.2333	2.200728	0.029097	0.341671
HEBP1;C12orf36;BCL2L14;ETV6;LRP6	0.232737	2.20022	0.029133	0.341834
SNORA74A;ANKHD1;UBE2D2	-0.23215	-2.19538	0.029485	0.343229
	0.140628	2.199955	0.029153	0.341939
	-0.17067	-2.20228	0.028985	0.341294
PML	-0.18756	-2.2044	0.028833	0.340685
AIF1L;FAM78A;ABL1;PPAPDC3	-0.2071	-2.20185	0.029016	0.341367
WISP1;NDRG1	-0.41501	-2.20484	0.028802	0.34052
	-0.27264	-2.2064	0.02869	0.340179
PSMB8;PSMB9;TAP1;RPL32P1;HCP5;TAPSAR1;HLA-DRA;HLA-DMB;HLA-B;PRRC2A	-0.20168	-2.20149	0.029042	0.341436
AOC3;RAMP2;FKBP10;STAT5B	0.354206	2.203983	0.028863	0.340753
	0.337039	2.204484	0.028827	0.340662
	-0.22776	-2.19911	0.029213	0.342118
CEP170B	0.152768	2.195897	0.029447	0.342984
KRT80;KRT7	0.188094	2.201218	0.029061	0.341595
	-0.22902	-2.19399	0.029586	0.343598
	-0.15779	-2.20295	0.028937	0.341074
PPP1R18;CLIC1;HCP5;HLA-E;LTB;HLA-C;HSPA1A;PPP1R11;MICB;DDR1	-0.26193	-2.20128	0.029057	0.341578
COL14A1;ENPP2;MAL2	-0.24144	-2.19906	0.029217	0.342132
	0.212681	2.191404	0.029776	0.344163
LRRC37BP1	0.257103	2.204531	0.028824	0.340641
	0.208115	2.199228	0.029205	0.342096
ANTXR1;CNRIP1	0.149951	2.195999	0.02944	0.342958
	-0.24708	-2.19872	0.029242	0.342201
	0.279926	2.204279	0.028842	0.340694
	0.16326	2.199774	0.029166	0.341954
	0.280279	2.205491	0.028755	0.340374
	0.111171	2.202264	0.028986	0.341298
	0.223025	2.194971	0.029515	0.343304
	-0.1865	-2.1951	0.029505	0.343298
ENSG00000213222;PLEKHB2;CCDC74A	0.279183	2.198087	0.029288	0.342372
	-0.16038	-2.2028	0.028948	0.341081
BIK;SCUBE1;MCAT;CENPM;ARFGAP3;ACO2;SMDT1;XRCC6;PHF5A;TTLL1;RNU12;CSDC2	-0.26024	-2.20327	0.028914	0.340987
ARHGAP32;TMEM45B;TP53AIP1;ST14;ADAMTS8	-0.35315	-2.20278	0.028949	0.341081
	-0.29538	-2.19639	0.029411	0.342932
SAMD5;SASH1	0.233282	2.191656	0.029758	0.344115
GSTK1	0.205047	2.202047	0.029002	0.341328
	0.249107	2.201712	0.029026	0.341406

NCS1	0.316742	2.19506	0.029508	0.343298
	0.295294	2.203802	0.028876	0.340824
	-0.17206	-2.20029	0.029128	0.341834
	-0.12243	-2.19811	0.029286	0.342372
CIITA;EMP2	-0.35112	-2.20014	0.02914	0.34188
	0.384171	2.202718	0.028954	0.341083
GUCY1A3 ENSG00000260977	-0.18664	-2.20546	0.028757	0.340374
	0.311017	2.198238	0.029277	0.342321
	-0.35395	-2.20292	0.028939	0.341074
	0.22603	2.201614	0.029033	0.341417
TNXB	-0.16155	-2.20208	0.028999	0.341328
	0.208047	2.200764	0.029094	0.341671
	-0.26097	-2.20321	0.028918	0.340997
	0.220474	2.204149	0.028851	0.340719
	0.17456	2.198974	0.029224	0.342154
	0.133823	2.198287	0.029273	0.34232
	-0.27152	-2.20555	0.028751	0.340374
	0.247019	2.202027	0.029003	0.341328
	0.321406	2.198905	0.029229	0.342154
	-0.18301	-2.2023	0.028984	0.341293
	-0.19214	-2.20472	0.02881	0.340573
	-0.20935	-2.20423	0.028845	0.340695
	0.208189	2.200765	0.029094	0.341671
	0.247773	2.201584	0.029035	0.341417
	-0.12444	-2.20095	0.029081	0.341656
GOLGA3	0.22628	2.205023	0.028788	0.340494
	0.216528	2.200581	0.029107	0.34169
	0.292129	2.196992	0.029367	0.342631
	0.214768	2.201017	0.029076	0.341656
JAM3 AAK1;ADD2	-0.14279	-2.20325	0.028916	0.340993
	0.242067	2.202818	0.028946	0.341081
	-0.18721	-2.20395	0.028865	0.340754
	-0.28686	-2.20158	0.029035	0.341417
PTP4A3;ENSG00000261655 MFNG TNXB;SLC44A4	0.1361	2.200324	0.029126	0.341834
	0.170765	2.202778	0.028949	0.341081
	0.197251	2.202907	0.02894	0.341074
	0.201807	2.200932	0.029082	0.341656
	-0.14369	-2.19693	0.029372	0.342647
	-0.20257	-2.20071	0.029098	0.341671
	-0.31277	-2.19731	0.029344	0.342516
	-0.30495	-2.20111	0.02907	0.34163
	0.210308	2.202075	0.029	0.341328
	0.153154	2.199674	0.029173	0.341988
EDNRA;ARHGAP10	0.322406	2.197135	0.029357	0.342588
	0.185836	2.200557	0.029109	0.341701
	-0.29078	-2.20078	0.029093	0.341671
RPL41	-0.22019	-2.20152	0.02904	0.341436

CENPU;CASP3	0.287988	2.196476	0.029405	0.342895
	-0.15604	-2.19733	0.029343	0.342513
	0.193147	2.202809	0.028947	0.341081
	0.134708	2.201493	0.029042	0.341436
FER1L5;FAM178B;LINC01125	-0.21403	-2.19951	0.029185	0.342043
PSMG3	0.144929	2.203266	0.028914	0.340987
ENSG00000230063	0.15815	2.200736	0.029096	0.341671
	0.143934	2.193001	0.029659	0.343848
	-0.30085	-2.19947	0.029188	0.342043
	0.132945	2.202076	0.029	0.341328
HMG2	-0.2341	-2.20291	0.028939	0.341074
	-0.16168	-2.19917	0.029209	0.342111
	0.200836	2.201847	0.029016	0.341367
	-0.3081	-2.20373	0.028881	0.340825
BAIAP2	0.237423	2.199925	0.029155	0.341946
	0.271303	2.200405	0.02912	0.341793
	-0.28677	-2.20036	0.029123	0.341821
	0.310452	2.198666	0.029246	0.342206
MYCBP2	-0.17179	-2.19782	0.029307	0.342401
	-0.33792	-2.19841	0.029264	0.34231
	-0.24328	-2.20023	0.029133	0.341834
	-0.25566	-2.19927	0.029202	0.342076
PSORS1C3;PPP1R18	0.305525	2.200606	0.029106	0.341688
SAMD4A	0.363029	2.202346	0.02898	0.341285
INTS5	0.272048	2.196242	0.029422	0.342958
	0.282034	2.198385	0.029266	0.342314
	-0.22023	-2.20004	0.029146	0.3419
	0.162515	2.199796	0.029164	0.341954
WBSCR22;ELN;ABHD11;WBSCR27;CLIP2;CLDN4	0.260716	2.198683	0.029245	0.342202
	0.361426	2.200724	0.029097	0.341671
	0.255363	2.20243	0.028974	0.341243
	-0.23538	-2.19986	0.029159	0.341954
PMP2;PAG1	0.289402	2.199516	0.029184	0.342043
	0.244958	2.198895	0.029229	0.342154
	0.251719	2.198007	0.029294	0.342384
	0.263215	2.200413	0.02912	0.341793
INPP5A;ECHS1;LRRC27	-0.16018	-2.19145	0.029773	0.344156
MAPK12;RABL2B;C22orf34;SHANK3;MAPK11;DENND6B;ENSG0000213279;ODF3B	-0.22225	-2.20287	0.028942	0.341078
EVC;S100P;STK32B	-0.31984	-2.20399	0.028862	0.340753
GSTO1	0.188361	2.20148	0.029043	0.341436
	0.334931	2.200236	0.029132	0.341834
	0.200276	2.199347	0.029197	0.342076
	-0.34526	-2.19515	0.029502	0.343292
MAPK12	0.193014	2.199157	0.02921	0.342111
	0.244662	2.199817	0.029163	0.341954
	-0.35801	-2.20285	0.028944	0.341081

LRRC61	-0.20863	-2.20339	0.028905	0.340954
	0.153628	2.20095	0.029081	0.341656
	0.167811	2.201704	0.029026	0.341406
	0.224058	2.197488	0.029331	0.342462
ERBB2;MIEN1;ENSG00000264198;NR1D1;IGFBP4	-0.22975	-2.20214	0.028995	0.341328
	0.137414	2.198323	0.029271	0.342314
	-0.16095	-2.199	0.029222	0.342154
CLEC10A;ACAP1	-0.32612	-2.2021	0.028998	0.341328
	-0.14771	-2.20202	0.029004	0.341328
	-0.16297	-2.19433	0.029561	0.343471
	0.303545	2.190901	0.029813	0.344313
	0.291608	2.200249	0.029131	0.341834
	0.146767	2.203003	0.028933	0.341072
	0.247241	2.198822	0.029235	0.342177
	-0.27688	-2.19528	0.029492	0.343229
	0.209471	2.18973	0.0299	0.344788
	0.311351	2.202293	0.028984	0.341293
	0.181214	2.199964	0.029152	0.341939
	-0.16958	-2.20023	0.029133	0.341834
	-0.45587	-2.19966	0.029174	0.341988
	-0.25691	-2.20342	0.028903	0.340954
TMEM87B	-0.2763	-2.1989	0.029229	0.342154
	0.330365	2.201838	0.029017	0.341367
	0.172589	2.20245	0.028973	0.341235
	0.112377	2.201897	0.029013	0.341355
	0.208458	2.201962	0.029008	0.341337
	-0.15031	-2.19363	0.029613	0.343621
LIFR	-0.34292	-2.20067	0.029101	0.341682
	0.324455	2.201582	0.029035	0.341417
	0.326305	2.202512	0.028968	0.341201
	0.141448	2.19736	0.029341	0.34251
	0.293638	2.202005	0.029005	0.341329
TBC1D10C;RBM14;RBM4B;ACY3	0.29795	2.202314	0.028983	0.341293
BAI1;RHPN1-AS1;GPIHBP1	-0.27292	-2.20117	0.029065	0.341596
	-0.20151	-2.19779	0.029309	0.342402
	-0.13419	-2.1992	0.029207	0.342101
DNAAF2;KLHDC1;ATP5S;PYGL ENSG00000256745	-0.31294	-2.20198	0.029007	0.341333
	-0.32265	-2.19893	0.029227	0.342154
	0.206197	2.200213	0.029134	0.341834
	-0.16435	-2.20094	0.029082	0.341656
	0.22252	2.201815	0.029018	0.341368
SYNPO2;MYOZ2	-0.17411	-2.19375	0.029604	0.343614
	0.229367	2.199444	0.02919	0.342044
	0.228722	2.194602	0.029542	0.343365
VAMP5;DNAH6	0.220052	2.201377	0.02905	0.341505
	-0.249	-2.19766	0.029319	0.342429
	-0.27146	-2.19952	0.029184	0.342043

KIAA1755;MYL9;RPRD1B;VSTM2L;SOGA1;TGIF2;SAMHD1;RALG APB	-0.25065	-2.19763	0.029321	0.342429
	0.213268	2.201383	0.02905	0.341505
	0.174929	2.194917	0.029519	0.343331
	0.138909	2.198472	0.02926	0.342287
GTF3C3	-0.30398	-2.19684	0.029379	0.342662
	0.219493	2.197577	0.029325	0.342456
	-0.21884	-2.1999	0.029157	0.341951
	0.383283	2.201935	0.02901	0.341351
CRYM;METTL9	-0.27165	-2.19934	0.029197	0.342076
	-0.3563	-2.20095	0.029081	0.341656
	-0.2451	-2.19843	0.029263	0.34231
SLC4A11;ADAM33;HSPA12B;CDC25B;FASTKD5;PANK2 ITGAX	-0.14089	-2.20077	0.029094	0.341671
EYA4;TBPL1	-0.16936	-2.2016	0.029034	0.341417
	-0.36256	-2.19751	0.02933	0.342462
	0.212594	2.200415	0.029119	0.341793
	0.387267	2.198985	0.029223	0.342154
SEPT1;ITGAL;SPN;CORO1A ENSG00000271020;FBXL2	0.267077	2.196002	0.029439	0.342958
	0.276105	2.199297	0.0292	0.342076
	-0.15987	-2.19894	0.029226	0.342154
	-0.40134	-2.19624	0.029422	0.342958
	-0.19543	-2.19832	0.029271	0.342314
	0.240302	2.199643	0.029175	0.341988
	-0.16848	-2.1976	0.029323	0.342449
FAM159A	0.158828	2.197093	0.02936	0.342602
ACACB	-0.24495	-2.19987	0.029158	0.341954
	-0.22208	-2.19508	0.029507	0.343298
EMR2;CACNA1A;IL27RA;DNAJB1;TECR	0.34916	2.194816	0.029526	0.343352
	-0.61651	-2.19871	0.029243	0.342201
	0.49038	2.204921	0.028796	0.3405
SYNE3;CLMN;AK7;ENSG00000260806;BDKRB1;BDKRB2 INTS3;C1orf189	0.324656	2.20025	0.029131	0.341834
	-0.33379	-2.19972	0.029169	0.341977
	-0.43903	-2.20006	0.029145	0.3419
	-0.23126	-2.20066	0.029101	0.341682
	-0.26803	-2.19874	0.029241	0.342201
HN1L;CACNA1H	-0.17914	-2.19742	0.029337	0.34249
	0.237749	2.196201	0.029425	0.342958
	-0.34878	-2.19578	0.029455	0.343034
	0.117113	2.200034	0.029147	0.3419
	0.194625	2.196853	0.029378	0.342662
	-0.12981	-2.19736	0.02934	0.34251
ARHGEF15	-0.18757	-2.19894	0.029226	0.342154
	0.298823	2.197291	0.029346	0.342517
	-0.25116	-2.197	0.029367	0.342631
	-0.33502	-2.1987	0.029243	0.342201
	-0.23785	-2.20088	0.029086	0.341665
	0.229838	2.195824	0.029452	0.343021

C8orf12	0.266911	2.200972	0.029079	0.341656
INPP5D;DGKD;NGEF;EFHD1	0.23716	2.201693	0.029027	0.341406
	-0.24958	-2.19782	0.029307	0.342401
	0.175559	2.194029	0.029584	0.343598
	0.127036	2.198009	0.029293	0.342384
FAM57A;INPP5K;SCARF1	-0.76194	-2.20165	0.02903	0.341417
SPIDR;EFCAB1	-0.28213	-2.19473	0.029532	0.343352
STAT2;BAZ2A;TESPA1;DNAJC14;PTGES3;ERBB3;SARNP;RBMS2	-0.26896	-2.19735	0.029341	0.34251
TSR1	-0.19567	-2.20077	0.029094	0.341671
	0.174764	2.193439	0.029627	0.343681
HCG4;PPP1R10	-0.28325	-2.18985	0.029891	0.344758
ADAM22	0.26747	2.195432	0.029481	0.343229
	0.184688	2.198026	0.029292	0.342384
	0.175548	2.200045	0.029146	0.3419
ENSG00000262003;MYO1C	0.22443	2.194206	0.029571	0.343529
	-0.31673	-2.19775	0.029312	0.342409
HIST1H4C;HIST1H4H	-0.18453	-2.19841	0.029264	0.34231
	-0.19207	-2.19558	0.02947	0.343163
RWDD1	-0.23247	-2.20158	0.029035	0.341417
APBA2	0.265721	2.198872	0.029231	0.342154
	-0.17188	-2.19454	0.029546	0.343373
DAPP1;MTTP;ADH1B	0.315294	2.198385	0.029266	0.342314
	0.205494	2.195322	0.029489	0.343229
LONRF2	-0.21649	-2.19866	0.029247	0.342206
	-0.32008	-2.20061	0.029105	0.341688
	0.142068	2.200278	0.029129	0.341834
ARHGAP25;ANXA4;PLEK;AAK1;ENSG00000188971	0.351681	2.198494	0.029258	0.342287
	0.240076	2.199776	0.029166	0.341954
CD2;CD101	0.312001	2.200065	0.029145	0.3419
	0.320484	2.19604	0.029437	0.342958
	0.220237	2.198256	0.029276	0.34232
	0.248628	2.19581	0.029453	0.343021
	0.221689	2.196039	0.029437	0.342958
RCAN2;ENSG00000231769;CLIC5	0.253022	2.198767	0.029239	0.342195
	0.271659	2.197155	0.029356	0.342588
	0.210135	2.197873	0.029303	0.342401
ENSG00000184566	0.280932	2.199521	0.029184	0.342043
	0.196399	2.198007	0.029294	0.342384
	0.209718	2.193459	0.029625	0.343681
TRPV4	-0.33291	-2.19928	0.029201	0.342076
	-0.22512	-2.19645	0.029407	0.342901
	0.196359	2.190883	0.029815	0.344314
	0.266354	2.201855	0.029016	0.341367
ZDHC23;CD200;GRAMD1C;C3orf52;BOC;ENSG00000261488;				
KIAA1407;WDR52;ENSG00000242770;SLC9C1	0.23195	2.200754	0.029095	0.341671
CCDC13;HHATL-AS1;ZNF197-AS1	-0.25009	-2.19705	0.029363	0.342621

	0.135415	2.197969	0.029296	0.342386
	-0.15871	-2.19991	0.029156	0.341951
TRAPPC9;DENND3	-0.25199	-2.1942	0.029571	0.343529
PPP1R10;HLA-F;DDR1;CCHCR1	0.427296	2.201028	0.029075	0.341656
CHRD;B3GNT5;ABCC5;POLR2H;PSMD2;YEATS2-AS1	-0.35744	-2.19518	0.0295	0.343287
PLEK;ARHGAP25;ANXA4;AAK1	0.326758	2.195369	0.029486	0.343229
	0.245813	2.199132	0.029212	0.342112
	-0.17089	-2.19268	0.029683	0.343947
AHNAK2;IGHG2;PLD4	-0.2285	-2.19749	0.029331	0.342462
	0.208833	2.197553	0.029327	0.342462
	0.190416	2.200193	0.029135	0.341841
FGD2;CDKN1A;SRSF3	-0.24447	-2.19945	0.029189	0.342044
	0.234858	2.19547	0.029478	0.343226
	-0.1788	-2.19559	0.029469	0.343159
	0.114883	2.191065	0.029801	0.344313
	0.320036	2.198084	0.029288	0.342372
STK4;PIGT;SLC2A10;SDC4	0.38152	2.198786	0.029237	0.34219
	0.311652	2.196816	0.02938	0.342672
	0.18763	2.197677	0.029318	0.342429
	0.248297	2.197237	0.02935	0.342544
	0.135152	2.183595	0.030356	0.346367
	0.209774	2.188226	0.030011	0.345067
	-0.27283	-2.19541	0.029483	0.343229
LCK;FNDC5;MTMR9LP	-0.28004	-2.2007	0.029099	0.341671
	0.259542	2.195403	0.029483	0.343229
	0.128513	2.196996	0.029367	0.342631
	0.348847	2.197085	0.029361	0.342602
	-0.14243	-2.20026	0.02913	0.341834
ANKRD65;ENSG00000272106;MXRA8;MORN1;RNF223;TTLL10; FAM213B;ENSG00000269896;C1orf222;PRKCZ;SSU72	0.40527	2.20085	0.029088	0.341671
	0.209811	2.196844	0.029378	0.342662
	0.254575	2.199467	0.029188	0.342043
KAT2B	0.332972	2.201009	0.029077	0.341656
	-0.41789	-2.19502	0.029511	0.3433
	0.311127	2.197641	0.02932	0.342429
	0.29033	2.192616	0.029687	0.343947
CLDN5;UFD1L;SCARF2;CDC45	-0.39175	-2.1938	0.0296	0.343598
	0.126492	2.199271	0.029202	0.342076
TTC39A;DMRTA2;EPS15	0.352787	2.192956	0.029662	0.34385
	-0.35456	-2.20076	0.029094	0.341671
	-0.20351	-2.1961	0.029433	0.342958
	0.15768	2.199761	0.029167	0.341954
	0.196829	2.197231	0.02935	0.342544
	0.181224	2.194604	0.029542	0.343365
	0.380103	2.194828	0.029525	0.343352
	0.235221	2.195983	0.029441	0.342958



CARD11	0.17098	2.193964	0.029588	0.343598
IGFBP2;DIRC3	-0.32269	-2.19693	0.029372	0.342647
	0.2376	2.198331	0.02927	0.342314
	0.168857	2.197458	0.029334	0.342467
ALPK1	0.27329	2.198632	0.029248	0.342217
	0.261136	2.195959	0.029443	0.34296
	-0.2458	-2.19783	0.029307	0.342401
SOX9-AS1;LINC00511;ENSG00000226101;LINC01152;SOX9	-0.26421	-2.19913	0.029212	0.342112
	-0.19225	-2.19527	0.029493	0.343229
	-0.16702	-2.198	0.029294	0.342384
	0.271866	2.199366	0.029195	0.342076
HLA-DMA;HCG23;HLA-DMB;PSMB9;HLA-DOA	-0.1629	-2.19286	0.029669	0.343903
	-0.23607	-2.19955	0.029182	0.342043
	-0.26366	-2.19616	0.029428	0.342958
TRAC;RBM23	0.33076	2.199761	0.029167	0.341954
	0.136279	2.194709	0.029534	0.343357
	-0.27466	-2.19075	0.029825	0.344389
KRT7	-0.19825	-2.19783	0.029306	0.342401
ENSG00000250848	0.160828	2.199776	0.029166	0.341954
	0.274629	2.196273	0.02942	0.342958
TRIM31;GABBR1;NRM;GNL1;DHX16;TRIM39;TCF19	0.293302	2.193271	0.029639	0.343704
	-0.34266	-2.19635	0.029414	0.342952
	0.185366	2.198543	0.029255	0.342264
	-0.22445	-2.19499	0.029513	0.3433
	0.209491	2.19663	0.029394	0.342792
	-0.22416	-2.19646	0.029406	0.342901
ZNF90P1;SENP7;ENSG00000242299	0.27283	2.19327	0.029639	0.343704
F11R;SDHC;TSTD1;ENSG00000213080;KLHDC9;PVRL4;UFC1;AD				
AMTS4;PEX19;C1orf192;NIT1	-0.25156	-2.1852	0.030236	0.345863
	0.250371	2.198126	0.029285	0.342372
MAP9;GUCY1A3	0.310949	2.194774	0.029529	0.343352
RPAP2	-0.2575	-2.19905	0.029218	0.342132
	0.159024	2.198334	0.02927	0.342314
PSEN1;RGS6;PAPLN;DPF3	-0.23543	-2.19888	0.02923	0.342154
	-0.31783	-2.19369	0.029608	0.343621
	0.267391	2.198145	0.029284	0.342368
	-0.1818	-2.19325	0.029641	0.343711
	-0.219	-2.19481	0.029526	0.343352
	-0.20501	-2.19789	0.029302	0.342401
	-0.32857	-2.19426	0.029567	0.343496
	-0.15403	-2.19355	0.029619	0.343643
DBNDD1	-0.44454	-2.19748	0.029332	0.342462
	0.111011	2.194678	0.029536	0.343365
ASAP1	-0.26229	-2.19732	0.029344	0.342516
	0.234289	2.199806	0.029163	0.341954
	-0.1996	-2.19729	0.029346	0.342517

CBWD2	0.301903	2.197655	0.029319	0.342429
	-0.23635	-2.19788	0.029303	0.342401
	-0.3152	-2.19429	0.029565	0.343494
	-0.19064	-2.19354	0.029619	0.343643
	0.30454	2.196296	0.029418	0.342958
FOXQ1;FOXC1;FOXF2	0.247105	2.195324	0.029489	0.343229
	0.141679	2.197167	0.029355	0.342588
	0.239301	2.199347	0.029197	0.342076
	-0.21431	-2.19414	0.029575	0.343556
	-0.38809	-2.18955	0.029913	0.344851
PACRG;ENSG00000225683;QKI;ENSG00000225437	-0.19628	-2.18956	0.029912	0.344851
	-0.31358	-2.19105	0.029802	0.344313
	-0.21786	-2.19785	0.029305	0.342401
	-0.24531	-2.18788	0.030037	0.345092
	-0.32332	-2.19466	0.029537	0.343365
TMF1;LMOD3	-0.34467	-2.19434	0.029561	0.343471
	-0.28725	-2.19869	0.029244	0.342201
	0.209745	2.194029	0.029584	0.343598
	0.214244	2.196226	0.029423	0.342958
	-0.29808	-2.19244	0.0297	0.343972
ATP8B2;SHE	0.227324	2.197117	0.029358	0.342594
	-0.25254	-2.19608	0.029433	0.342958
	-0.1569	-2.19604	0.029437	0.342958
	-0.2526	-2.19457	0.029544	0.343368
	-0.34731	-2.19545	0.02948	0.343229
PPL	-0.29515	-2.19948	0.029187	0.342043
RLTPR	0.116501	2.197722	0.029314	0.342427
NOTCH4;NELFE;CUTA	-0.17295	-2.19477	0.029529	0.343352
	0.248669	2.192936	0.029664	0.34385
	0.272898	2.196152	0.029429	0.342958
	0.284816	2.198758	0.029239	0.342195
	-0.42559	-2.19782	0.029307	0.342401
CD34;PFKFB2;PIGR;CD46	0.363296	2.195994	0.02944	0.342958
BMP7;PMEPA1	-0.23019	-2.19096	0.029809	0.344313
RNF157- AS1;ST6GALNAC2;SMIM5;FOXJ1;SEC14L1;TRIM47;FBF1;TRIM6 5;LINC00338;RNF157;SMIM6;KIAA0195;UBALD2;SRSF2	-0.25382	-2.19369	0.029608	0.343621
NRXN2;HRASLS2;LTBP3;STIP1;PRDX5;RTN3;PPP2R5B;VEGFB;PY GM;MAP4K2;MRPL49;SLC25A45;PLA2G16;TM7SF2;NAALADL1	0.202854	2.192441	0.0297	0.343972
	-0.22388	-2.19212	0.029724	0.344036
	0.228574	2.199272	0.029202	0.342076
	0.114238	2.193925	0.029591	0.343598
	-0.24214	-2.19676	0.029385	0.342713
FGFR1OP;PRR18;ENSG00000231720;ENSG00000228648	0.208625	2.19013	0.02987	0.344638
PITX1;SEC24A	0.30276	2.190679	0.02983	0.344417

CBL	-0.15677	-2.19657	0.029398	0.34283
	0.362025	2.192372	0.029705	0.34402
GGH	-0.2564	-2.19277	0.029675	0.343938
	0.275094	2.187428	0.03007	0.345182
	0.142241	2.195904	0.029447	0.342984
	-0.28796	-2.19528	0.029492	0.343229
	-0.21237	-2.1946	0.029542	0.343365
	-0.16756	-2.19307	0.029654	0.343805
TRAPPC10	0.188885	2.19797	0.029296	0.342386
	0.26781	2.194989	0.029513	0.3433
	-0.29323	-2.19692	0.029372	0.342647
GIMAP8;GIMAP6;GIMAP5;GIMAP1;GIMAP7;NOS3;REPIN1;CDK5;GIMAP4;PRKAG2	-0.354	-2.19244	0.0297	0.343972
	-0.19484	-2.18846	0.029993	0.345023
	0.253966	2.195744	0.029458	0.343054
RTN4IP1	0.24544	2.192001	0.029732	0.344056
	-0.25283	-2.1935	0.029622	0.343658
	-0.18191	-2.19328	0.029638	0.343704
	0.172132	2.194856	0.029523	0.343352
	0.363171	2.196062	0.029435	0.342958
	0.243054	2.198862	0.029232	0.342154
BASP1	0.22653	2.193636	0.029612	0.343621
	-0.35769	-2.19603	0.029438	0.342958
	-0.1771	-2.19748	0.029332	0.342462
	-0.15194	-2.19366	0.029611	0.343621
	-0.23775	-2.19613	0.02943	0.342958
	-0.19913	-2.19819	0.02928	0.342339
	-0.25678	-2.19528	0.029492	0.343229
	0.182866	2.196021	0.029438	0.342958
	0.148536	2.195727	0.02946	0.343054
	-0.29625	-2.1963	0.029417	0.342958
IFFO1;ANO2;VWF;CLSTN3;SCNN1A;NTF3;LEPREL2;C1R;C1S;RBP5;CD27;C1RL;CD9;C1RL-AS1;LRRC23;ATN1;ENSG00000257084;PTMS;GNB3	-0.37918	-2.19358	0.029616	0.343624
	-0.17323	-2.1944	0.029556	0.343443
ENSG00000188002;TRIP13;PDCD6;TPPP;LPCAT1;NKD2;ZDHHC11B;AHRR	0.28324	2.187691	0.030051	0.34516
	0.126097	2.1964	0.02941	0.342931
	0.198522	2.189023	0.029952	0.344892
WDR45B;SLC25A10;RAB40B;PCYT2	0.209173	2.193789	0.029601	0.343598
TEP1	-0.19902	-2.19693	0.029372	0.342647
	-0.26666	-2.19555	0.029472	0.343173
	0.169824	2.186432	0.030144	0.345485
EXOC3L4;TNFAIP2	-0.20979	-2.19509	0.029506	0.343298
	0.246109	2.196729	0.029387	0.342727
	0.21464	2.198542	0.029255	0.342264
ENSG00000268001;C5AR2	-0.15246	-2.18906	0.029949	0.344892

EVC;S100P;EVC2;CRMP1;CCDC96	-0.3025	-2.1908	0.029821	0.344353
	-0.25296	-2.19541	0.029482	0.343229
	-0.37192	-2.19208	0.029727	0.344051
	0.29592	2.198539	0.029255	0.342264
HSP90AA1	-0.23491	-2.19809	0.029288	0.342372
	-0.19016	-2.19475	0.029531	0.343352
	0.485156	2.192518	0.029694	0.343972
MCAT;SMDT1;TTLL1;BIK;CENPM;NFAM1;RRP7B CLCNKB;DNAJC16	0.209701	2.194986	0.029514	0.3433
	0.26756	2.188965	0.029956	0.344902
	-0.59417	-2.19408	0.02958	0.343588
	-0.20853	-2.18867	0.029978	0.34499
DYNLL1-AS1;DYNLL1;CCDC60;P2RX7;UNC119B;COQ5;SRSF9 KLHDC4;ZFPM1	-0.3283	-2.18823	0.030011	0.345067
	-0.17916	-2.19753	0.029328	0.342462
	0.274203	2.196012	0.029439	0.342958
	0.229746	2.195061	0.029508	0.343298
	0.339846	2.197789	0.02931	0.342402
	0.196229	2.192447	0.0297	0.343972
	-0.27072	-2.19329	0.029638	0.343704
	0.246375	2.195047	0.029509	0.343298
	-0.17612	-2.1907	0.029828	0.344407
	-0.14106	-2.19384	0.029597	0.343598
ZNF48;C16orf93;ENSG00000260219	0.124336	2.194727	0.029533	0.343352
	0.281335	2.19483	0.029525	0.343352
	0.265733	2.194639	0.029539	0.343365
	0.268707	2.197635	0.029321	0.342429
	0.253667	2.192632	0.029686	0.343947
	-0.29938	-2.19879	0.029237	0.34219
	-0.2059	-2.19195	0.029736	0.344068
	0.222493	2.188001	0.030028	0.345071
	-0.38688	-2.19853	0.029256	0.342264
	0.224837	2.191163	0.029794	0.344306
ZNF574	-0.14499	-2.18943	0.029922	0.344883
	0.200792	2.196662	0.029391	0.342774
	0.183374	2.196905	0.029374	0.342652
RASGRP3				
ECSCR				
MBP				
C1QTNF1;TIMP2;ENSG00000178404;CBX2;ENSG00000267491; USP36;CCDC40;SLC26A11	-0.38868	-2.19457	0.029544	0.343368
	-0.17567	-2.1947	0.029535	0.343357
	-0.45492	-2.19617	0.029427	0.342958
ENSG00000254815	-0.21977	-2.19633	0.029416	0.342958
	0.247468	2.190312	0.029857	0.344609
	-0.1827	-2.19699	0.029368	0.342631
TLN2	0.165087	2.191417	0.029775	0.344162
	0.170423	2.196025	0.029438	0.342958
	0.137847	2.194503	0.029549	0.343393
CENPM;ARFGAP3;SMDT1;RNU12;XPNPEP3;ACO2;ZC3H7B	-0.27913	-2.19157	0.029764	0.344115

HEATR2;SUN1	0.147625	2.188273	0.030007	0.345067
	0.21068	2.194388	0.029557	0.343444
	0.137535	2.191761	0.02975	0.344115
	-0.27411	-2.19454	0.029546	0.343373
PLCH1	0.260141	2.196076	0.029434	0.342958
	-0.38986	-2.19832	0.029271	0.342314
	0.316711	2.185503	0.030213	0.345819
	-0.2959	-2.19266	0.029684	0.343947
SMIM6;SMIM5;RNF157- AS1;FOXJ1;MXRA7;SPHK1;TRIM65;ST6GALNAC2;PRPSAP1;SEC1 4L1;LLGL2;ST6GALNAC1	-0.13143	-2.19714	0.029357	0.342588
	0.340343	2.193445	0.029626	0.343681
	0.319623	2.193661	0.02961	0.343621
	0.241683	2.197454	0.029334	0.342467
HILPDA;LRRC4;IRF5;SMKR1;TPI1P2;AHCYL2	0.277635	2.194274	0.029566	0.343494
	-0.19689	-2.18976	0.029898	0.344774
	0.193887	2.190911	0.029813	0.344313
	0.246702	2.193807	0.0296	0.343598
ZNF213;ABCA3;TBC1D24;SRRM2;TSC2;ZNF75A;PKD1	0.245784	2.192163	0.02972	0.344036
	-0.15104	-2.19162	0.02976	0.344115
	0.178021	2.191019	0.029805	0.344313
	-0.30323	-2.19249	0.029697	0.343972
TSEN54;NAT9 LINC00689;NCAPG2	0.276196	2.193758	0.029603	0.343614
	-0.25322	-2.19384	0.029597	0.343598
	-0.23961	-2.18906	0.029949	0.344892
	0.212837	2.196219	0.029424	0.342958
GRHL2;AZIN1;RRM2B	-0.39478	-2.192	0.029732	0.344056
	-0.21144	-2.19835	0.029269	0.342314
	-0.18223	-2.19261	0.029687	0.343947
	0.183267	2.194278	0.029565	0.343494
COX16	0.183267	2.194278	0.029565	0.343494
	-0.33077	-2.1926	0.029688	0.343947
	-0.21722	-2.19533	0.029488	0.343229
	0.248149	2.19516	0.029501	0.343292
DUSP4	-0.2284	-2.18571	0.030198	0.345753
	-0.42071	-2.1961	0.029433	0.342958
	0.171848	2.195537	0.029473	0.343178
	0.260732	2.194827	0.029525	0.343352
PIGV;TRNP1;RPS6KA1;CEP85;C1orf172;HMGN2;PDIK1L;FAM11 OD;NUDC	0.290202	2.192284	0.029712	0.344036
	0.247971	2.194763	0.02953	0.343352
	0.169621	2.192966	0.029661	0.34385
	0.242988	2.190713	0.029827	0.344407
ITGB7;ACVR1B GRK6	0.163712	2.198222	0.029278	0.342321
	0.163919	2.192112	0.029724	0.344036
	-0.14076	-2.19166	0.029758	0.344115
	0.248737	2.189117	0.029945	0.344892

OR5P3	0.396445	2.197537	0.029328	0.342462
	0.170407	2.192198	0.029718	0.344036
	-0.22697	-2.19777	0.029311	0.342402
	0.225995	2.19613	0.02943	0.342958
	0.135725	2.194924	0.029518	0.343331
	-0.33401	-2.19462	0.02954	0.343365
ENSG00000226072	-0.13152	-2.19155	0.029765	0.344122
	0.118111	2.187297	0.03008	0.345197
	-0.22422	-2.19586	0.029449	0.343002
LSG1	-0.25168	-2.19615	0.029429	0.342958
IRF6;TRAF3IP3;HHAT	-0.23168	-2.19335	0.029634	0.343704
	-0.22845	-2.19251	0.029695	0.343972
	0.110771	2.190923	0.029812	0.344313
	0.249272	2.193406	0.029629	0.343688
	-0.16907	-2.19394	0.02959	0.343598
	-0.29704	-2.19221	0.029717	0.344036
	-0.20567	-2.19284	0.029671	0.343913
	0.276261	2.198263	0.029275	0.34232
BATF2	-0.29986	-2.19458	0.029543	0.343368
ENSG00000231980;PTPRN2;RNF32;ENSG00000233878;ENSG0000233038	0.145102	2.193584	0.029616	0.343624
	0.259834	2.19362	0.029614	0.343621
TIMM8B	0.238699	2.193814	0.029599	0.343598
	-0.18319	-2.18581	0.03019	0.345733
	-0.34841	-2.19225	0.029714	0.344036
	0.289509	2.192612	0.029687	0.343947
SKP1;TCF7;PPP2CA	0.199804	2.19319	0.029645	0.343725
	-0.17171	-2.19626	0.02942	0.342958
	-0.23108	-2.19509	0.029506	0.343298
	-0.38506	-2.19479	0.029528	0.343352
	-0.20039	-2.1863	0.030154	0.345531
	0.22873	2.192799	0.029674	0.343927
	-0.35867	-2.19596	0.029442	0.34296
	0.280462	2.187942	0.030032	0.345091
CALHM2	-0.19652	-2.1916	0.029762	0.344115
	0.192786	2.192943	0.029663	0.34385
	-0.14832	-2.19369	0.029609	0.343621
KIF26A;ADSSL1;INF2;C14orf2;EXOC3L4	-0.37414	-2.19574	0.029459	0.343054
	-0.1702	-2.1931	0.029652	0.343793
	-0.3398	-2.19394	0.02959	0.343598
ENSG00000234614;S100A10	0.191293	2.191611	0.029761	0.344115
	-0.35895	-2.19477	0.029529	0.343352
	-0.28063	-2.19499	0.029513	0.3433
	-0.1638	-2.19099	0.029807	0.344313
	-0.33831	-2.18576	0.030194	0.345733
	-0.25866	-2.19107	0.029801	0.344313
	0.182127	2.189455	0.02992	0.344883

	0.240564	2.193033	0.029657	0.343831
	0.15153	2.191883	0.029741	0.3441
	-0.24273	-2.18835	0.030002	0.345046
	0.278163	2.191775	0.029749	0.344115
RNF212	0.304075	2.194735	0.029532	0.343352
SPIRE2;GAS8;GALNS;ENSG00000260259;C16orf3;URAHP;SPAT				
A33	-0.15646	-2.19086	0.029816	0.344315
	-0.33299	-2.19207	0.029727	0.344051
	0.169032	2.191603	0.029762	0.344115
	0.249135	2.195811	0.029453	0.343021
IDH3B;SIRPA;SDCBP2;NOP56	-0.23567	-2.1925	0.029696	0.343972
	-0.20679	-2.19104	0.029803	0.344313
	-0.18196	-2.19383	0.029598	0.343598
	0.157577	2.189683	0.029903	0.344799
	0.268735	2.190529	0.029841	0.344499
ZNF831;ZBP1	-0.2551	-2.19369	0.029608	0.343621
	0.267949	2.195308	0.02949	0.343229
KCNK6	0.292923	2.193871	0.029595	0.343598
	-0.25978	-2.19006	0.029875	0.344672
KIF23	-0.19229	-2.19124	0.029788	0.344273
	0.231978	2.194118	0.029577	0.343561
	-0.24983	-2.19271	0.02968	0.343947
TMEM176A;TMEM176B	-0.17813	-2.19122	0.02979	0.344278
	-0.14875	-2.19414	0.029576	0.343556
	0.256079	2.192233	0.029715	0.344036
MAPKAP1	-0.22868	-2.19266	0.029684	0.343947
	0.128832	2.189826	0.029893	0.344758
B4GALNT3	-0.29634	-2.18527	0.03023	0.345845
POC1B	-0.34498	-2.18643	0.030144	0.345485
	-0.1962	-2.19394	0.02959	0.343598
	-0.23049	-2.19166	0.029757	0.344115
	0.176377	2.190505	0.029842	0.344509
	0.254508	2.183842	0.030337	0.346294
EXOC3L2;KCNN4;ENSG00000267348;GEMIN7	-0.19782	-2.18366	0.030351	0.346355
	0.213632	2.19379	0.029601	0.343598
	-0.24487	-2.19532	0.029489	0.343229
	-0.30124	-2.18802	0.030026	0.345071
	0.312914	2.191752	0.029751	0.344115
	0.166769	2.192008	0.029732	0.344056
FXD3;KIAA0355;GRAMD1A;UBA2;ZNF30;WTIP;CEBPG;LGI4;SC				
N1B;ENSG00000269086	0.225493	2.189549	0.029913	0.344851
SLC22A23;SERPINB6;ENSG00000233068	-0.36938	-2.19443	0.029555	0.343431
	-0.18978	-2.19224	0.029715	0.344036
CTSW	-0.33676	-2.19283	0.029672	0.343914
	0.217918	2.19393	0.029591	0.343598
	-0.19088	-2.18811	0.030019	0.345067
TOMM40	-0.19412	-2.18783	0.03004	0.345124

	-0.24125	-2.19504	0.029509	0.343298
XRCC1	0.226208	2.192202	0.029718	0.344036
PSMG3	0.195898	2.193415	0.029629	0.343688
	0.303873	2.189291	0.029932	0.344892
	-0.21677	-2.19446	0.029552	0.343407
	0.161761	2.192283	0.029712	0.344036
	-0.24755	-2.19379	0.029601	0.343598
	-0.31029	-2.19418	0.029572	0.343536
RNF125	-0.37542	-2.19353	0.02962	0.343645
	0.234646	2.196031	0.029437	0.342958
	-0.21987	-2.18818	0.030015	0.345067
	0.197194	2.189681	0.029903	0.344799
	0.121323	2.191081	0.0298	0.344313
CALHM2;SLK;USMG5;SFR1	-0.29925	-2.19228	0.029712	0.344036
	0.241741	2.190664	0.029831	0.344421
TULP3;PARP11	0.435469	2.193842	0.029597	0.343598
	0.243738	2.193626	0.029613	0.343621
CAMKK2	-0.2155	-2.19165	0.029758	0.344115
PPIE	-0.25364	-2.19008	0.029873	0.344663
COQ7;GDE1;SYT17;CCP110	-0.22953	-2.18528	0.03023	0.345845
	-0.21934	-2.19181	0.029747	0.344115
	-0.22	-2.19339	0.029631	0.343688
ZBTB46;SOX18;STMN3;SLC17A9	-0.2743	-2.19198	0.029734	0.344064
CSF1	-0.26862	-2.18893	0.029959	0.344914
	0.189213	2.19268	0.029682	0.343947
	-0.25144	-2.18161	0.030505	0.347071
RNF166;CBFA2T3;PIEZO1;ANKRD11;ENSG00000224888;DEF8;Z				
NF276;ENSG00000261226;ENSG00000268218	0.377592	2.191881	0.029741	0.3441
	0.216299	2.193277	0.029639	0.343704
PLEKHG5;NPHP4;ICMT;TAS1R1	-0.40042	-2.19298	0.029661	0.34385
ENSG00000258337	-0.26723	-2.19648	0.029404	0.342895
HSD17B8;ZBTB9;UQCC2	-0.40557	-2.18809	0.030021	0.345067
	0.164769	2.191068	0.029801	0.344313
	0.210711	2.186485	0.03014	0.345474
	-0.34066	-2.18291	0.030407	0.346693
	-0.29901	-2.1936	0.029615	0.343624
NDST1;MYOZ3;PDGFRB;HMGXB3;ANXA6;SYNPO	-0.31018	-2.18325	0.030381	0.346537
	0.210495	2.191579	0.029763	0.344115
	-0.27408	-2.18813	0.030018	0.345067
SDC3	-0.30555	-2.19217	0.02972	0.344036
	0.15377	2.190166	0.029867	0.344638
	0.217385	2.1867	0.030124	0.345416
	-0.1949	-2.19154	0.029766	0.344124
	-0.29276	-2.18435	0.030299	0.346099
CDK1	-0.51391	-2.19045	0.029847	0.344539
	0.149805	2.193645	0.029612	0.343621
TSPAN18	-0.26981	-2.18893	0.029959	0.344914



MRPS15	-0.19305	-2.19404	0.029583	0.343598
	-0.17855	-2.19528	0.029492	0.343229
PTPRH;EPS8L1;PPP6R1;LILRB1;ZNF667;U2AF2;UBE2S	0.208903	2.194653	0.029538	0.343365
	-0.22556	-2.19212	0.029724	0.344036
CNNM2	0.228456	2.187881	0.030036	0.345092
	-0.26909	-2.18678	0.030118	0.345401
	0.153876	2.192252	0.029714	0.344036
	-0.25321	-2.18945	0.029921	0.344883
	-0.27375	-2.19389	0.029594	0.343598
	0.108439	2.190157	0.029868	0.344638
FXVD3;WTIP;NFKBID;KIAA0355;GRAMD1A;SCN1B;COX6B1;PSE NEN;CD22;CLIP3 GABBR1;HLA-F-AS1	0.272775	2.191474	0.029771	0.34415
	0.313363	2.191836	0.029744	0.344103
	0.195148	2.190817	0.029819	0.344346
MED18;SNHG3;PTAFR	-0.23472	-2.1906	0.029835	0.344463
	0.178908	2.188124	0.030018	0.345067
CHD7	-0.27108	-2.19178	0.029748	0.344115
	-0.27108	-2.19179	0.029748	0.344115
	-0.22933	-2.18608	0.03017	0.345601
	-0.33199	-2.19339	0.02963	0.343688
TNFRSF10B;STC1;NKX3-1	-0.24972	-2.18927	0.029934	0.344892
	-0.33933	-2.19261	0.029688	0.343947
KCNE4	0.229882	2.189605	0.029909	0.344848
	0.256451	2.192021	0.029731	0.344056
	-0.21205	-2.19196	0.029735	0.344068
	0.195684	2.192692	0.029682	0.343947
	0.167594	2.188143	0.030017	0.345067
	-0.21643	-2.19185	0.029743	0.3441
	-0.28286	-2.19389	0.029594	0.343598
	-0.21309	-2.19321	0.029643	0.343724
	-0.32839	-2.19247	0.029698	0.343972
ARHGAP29;ABCD3	0.24514	2.191422	0.029775	0.344162
	0.112924	2.18925	0.029935	0.344892
	-0.35884	-2.18727	0.030082	0.345197
RAB38 TNFSF4;DNM3;ENSG00000203739	0.291394	2.188434	0.029995	0.345028
	0.178712	2.192606	0.029688	0.343947
	0.204865	2.193208	0.029644	0.343724
RPL32P1	0.132869	2.189509	0.029916	0.344865
	-0.21668	-2.19186	0.029742	0.3441
	0.309187	2.192117	0.029724	0.344036
WEE1;MRVI1;AMPD3;ZBED5	-0.32061	-2.1853	0.030229	0.345845
	-0.29682	-2.18652	0.030138	0.345463
POU5F1P4	0.111877	2.187506	0.030064	0.345167
	-0.14798	-2.19336	0.029632	0.343701
	0.242325	2.18817	0.030015	0.345067
	0.236481	2.194482	0.02955	0.343401
	-0.28481	-2.189	0.029954	0.3449

ARID3B;PML;COX5A;NRG4

IGLV1-44

USP10;HSBP1

NUDT12

CSMD2;C1orf216;CLSPN  
SPDEF;MAPK13

SKI;VWA1

0.262625	2.192552	0.029692	0.343969
0.294277	2.191662	0.029757	0.344115
0.144393	2.188869	0.029963	0.34493
0.15564	2.190296	0.029858	0.344613
-0.14363	-2.18675	0.03012	0.345401
-0.14881	-2.1888	0.029968	0.344943
-0.30651	-2.19102	0.029805	0.344313
-0.24668	-2.19214	0.029722	0.344036
-0.23442	-2.18978	0.029896	0.344774
0.307878	2.190913	0.029812	0.344313
0.094884	2.184062	0.030321	0.346242
0.145239	2.190457	0.029846	0.344539
-0.22804	-2.19256	0.029692	0.343969
0.14016	2.192933	0.029664	0.34385
-0.24789	-2.19158	0.029764	0.344115
0.145129	2.186633	0.030129	0.345416
0.165863	2.192232	0.029715	0.344036
0.332656	2.188396	0.029998	0.345041
-0.23822	-2.19166	0.029757	0.344115
0.103186	2.188824	0.029967	0.344937
-0.3063	-2.18907	0.029949	0.344892
0.202056	2.187991	0.030028	0.345071
-0.23227	-2.1933	0.029637	0.343704
-0.24438	-2.18857	0.029986	0.345022
-0.20734	-2.18522	0.030235	0.345862
0.249711	2.19395	0.029589	0.343598
0.213882	2.186997	0.030102	0.345293
-0.42575	-2.18762	0.030056	0.345167
-0.29283	-2.19222	0.029716	0.344036
0.230628	2.191504	0.029769	0.344134
-0.16359	-2.18728	0.030081	0.345197
0.190594	2.186574	0.030134	0.345444
0.161195	2.190257	0.029861	0.344624
0.324347	2.192139	0.029722	0.344036
-0.33255	-2.18837	0.03	0.345046
0.235787	2.192448	0.029699	0.343972
-0.17994	-2.18478	0.030267	0.346001
-0.22153	-2.18815	0.030017	0.345067
0.18314	2.184179	0.030312	0.346182
0.236904	2.188234	0.03001	0.345067
0.297575	2.19037	0.029852	0.344569
0.26058	2.188491	0.029991	0.345023
-0.30541	-2.19133	0.029782	0.344212
0.257744	2.184346	0.0303	0.346099
-0.39767	-2.18981	0.029894	0.344758
-0.19776	-2.18699	0.030103	0.345293
-0.16615	-2.18801	0.030027	0.345071

RNF223;PRKCZ	-0.20149	-2.19268	0.029683	0.343947
	-0.29978	-2.19174	0.029752	0.344115
	0.226739	2.187034	0.030099	0.34529
	-0.16209	-2.18765	0.030053	0.345167
	0.113058	2.183534	0.03036	0.346391
	-0.23558	-2.19024	0.029862	0.344624
NOTUM;OXLD1;RNF213	0.258763	2.190181	0.029866	0.344638
	-0.25679	-2.18931	0.02993	0.344892
	-0.27307	-2.18852	0.029989	0.345022
	-0.29432	-2.18762	0.030056	0.345167
	0.23987	2.193202	0.029644	0.343724
	0.274322	2.192039	0.029729	0.344056
CMAHP	-0.19777	-2.19145	0.029773	0.344156
	0.159869	2.187974	0.03003	0.345076
	0.242486	2.186629	0.030129	0.345416
	-0.30702	-2.18216	0.030463	0.346936
	0.289771	2.1909	0.029813	0.344313
	-0.17214	-2.19132	0.029782	0.344212
FOX1;FOX1;FENDRR;IRF8	-0.34208	-2.18758	0.030059	0.345167
	0.313046	2.189137	0.029943	0.344892
	-0.21477	-2.19057	0.029838	0.344484
	0.21307	2.191086	0.0298	0.344313
	0.115819	2.191214	0.02979	0.344278
	-0.16993	-2.18752	0.030063	0.345167
DHX16;PPP1R18;CCHCR1	0.149164	2.191691	0.029755	0.344115
	0.335596	2.185318	0.030227	0.345845
	0.206442	2.189914	0.029886	0.344743
	0.168486	2.18766	0.030053	0.345167
	0.277986	2.186456	0.030142	0.345485
	-0.25007	-2.19024	0.029862	0.344624
FAM179A;ENSG00000233862	0.147493	2.189457	0.02992	0.344883
	0.269968	2.189918	0.029886	0.344743
	0.261412	2.180828	0.030563	0.347132
	0.360511	2.189278	0.029933	0.344892
	-0.23174	-2.18984	0.029891	0.344758
	0.268763	2.188829	0.029966	0.344937
HHAT	-0.19013	-2.18821	0.030012	0.345067
	-0.32384	-2.1909	0.029813	0.344313
	0.243842	2.193944	0.02959	0.343598
	-0.13747	-2.18864	0.02998	0.344999
	0.240067	2.176814	0.030867	0.348156
	0.12456	2.181512	0.030512	0.347071
FBXL13;LRWD1;ORAI2	0.172108	2.189386	0.029925	0.344892
	-0.29317	-2.18663	0.030129	0.345416
	-0.2387	-2.18609	0.030169	0.345601
	0.195137	2.186184	0.030163	0.345595
	0.262672	2.187105	0.030094	0.345262
LHPP				

MAP2K5	0.214453	2.191513	0.029768	0.344134
	-0.22992	-2.19098	0.029807	0.344313
	0.218337	2.188539	0.029988	0.345022
	-0.17607	-2.18452	0.030286	0.346035
	-0.15462	-2.18405	0.030321	0.346242
	-0.24828	-2.18735	0.030076	0.345182
	0.41086	2.190913	0.029812	0.344313
	0.164293	2.188098	0.03002	0.345067
	-0.25228	-2.19041	0.02985	0.344556
	0.268613	2.189415	0.029923	0.344889
MAPK12	-0.17408	-2.18927	0.029934	0.344892
RASAL2;C1orf220	0.185419	2.185867	0.030186	0.345698
ZNF471	0.21822	2.183	0.0304	0.346664
CBFA2T3;PIEZO1	0.328463	2.180412	0.030595	0.347172
SKI;RER1;LINC00982;MEGF6;TP73-AS1;PRDM16	-0.16032	-2.19015	0.029869	0.344638
KALRN	-0.19629	-2.18793	0.030033	0.345091
	0.207869	2.191852	0.029743	0.3441
	-0.17946	-2.18864	0.029981	0.344999
SEMA6A	0.239929	2.189036	0.029951	0.344892
	0.185728	2.188865	0.029964	0.34493
	0.215868	2.187763	0.030045	0.345136
ALDH1L2;ENSG00000258111	-0.3121	-2.18674	0.030121	0.345401
	0.179456	2.191711	0.029754	0.344115
	-0.35873	-2.18903	0.029951	0.344892
	-0.1961	-2.18868	0.029977	0.34499
PTGDS	-0.21323	-2.18792	0.030033	0.345091
	0.221775	2.18824	0.03001	0.345067
	-0.23602	-2.18542	0.03022	0.345838
	-0.39026	-2.18308	0.030395	0.346642
	-0.23546	-2.18937	0.029926	0.344892
	0.163385	2.184011	0.030325	0.346252
	0.321764	2.189881	0.029888	0.344752
HCP5	0.146968	2.188423	0.029996	0.345028
	0.168358	2.187394	0.030073	0.345182
	-0.15431	-2.1891	0.029946	0.344892
	-0.29425	-2.18936	0.029927	0.344892
	0.242537	2.192141	0.029722	0.344036
	0.225434	2.189129	0.029944	0.344892
	0.216353	2.189117	0.029945	0.344892
	0.279995	2.189766	0.029897	0.344774
	0.221834	2.186507	0.030139	0.345464
TAP1;PSMB8;TAP2;PSMB9;CFB;HCP5;HLA-B	0.197734	2.19116	0.029794	0.344306
	0.205404	2.186897	0.03011	0.34534
COL4A1;COL4A2	-0.39202	-2.18732	0.030078	0.345196
	-0.35897	-2.18742	0.030071	0.345182
APBB2;RBM47;LIMCH1;SMIM14	-0.33552	-2.18155	0.030509	0.347071
	-0.2424	-2.18446	0.030291	0.346054

SEC24A RBMS2 TMEM241;CABLES1;C18orf8	-0.26183	-2.19012	0.029871	0.344638
	-0.20478	-2.18704	0.030099	0.34529
	0.241167	2.188632	0.029981	0.344999
	-0.16128	-2.18365	0.030352	0.346355
	-0.16498	-2.18713	0.030092	0.345259
	-0.16675	-2.18536	0.030224	0.345845
	0.241837	2.189019	0.029952	0.344892
	-0.36336	-2.19004	0.029877	0.344675
	0.218915	2.191655	0.029758	0.344115
	0.214921	2.186826	0.030115	0.345387
IFNG-AS1	-0.1343	-2.18476	0.030269	0.346001
	0.234936	2.187711	0.030049	0.34516
	0.294646	2.189536	0.029914	0.344851
	-0.29227	-2.19113	0.029796	0.344313
	0.183233	2.188781	0.02997	0.344943
	0.308918	2.18456	0.030284	0.346035
	-0.13954	-2.19224	0.029714	0.344036
	0.20519	2.18916	0.029942	0.344892
	0.148612	2.185109	0.030243	0.345899
	-0.16145	-2.18632	0.030152	0.345531
CCR5;CXCR6;XCR1	0.218373	2.187794	0.030043	0.345129
	0.355634	2.189195	0.029939	0.344892
	0.160583	2.189185	0.02994	0.344892
	-0.18402	-2.18401	0.030324	0.346252
	-0.2239	-2.1879	0.030035	0.345092
	0.198891	2.178519	0.030738	0.347726
	0.223943	2.181473	0.030515	0.347071
	0.227394	2.185072	0.030245	0.345911
	-0.36424	-2.18692	0.030108	0.345338
	0.249737	2.188906	0.029961	0.344914
ENSG00000261659;ENSG00000196674;METRN ENSG00000235531	0.29966	2.182941	0.030405	0.346676
	0.25311	2.188007	0.030027	0.345071
	-0.27072	-2.18689	0.03011	0.34534
	0.21088	2.1877	0.03005	0.34516
	0.202922	2.188453	0.029994	0.345023
	-0.20868	-2.18754	0.030062	0.345167
	-0.45095	-2.18884	0.029966	0.344937
	-0.16011	-2.18908	0.029947	0.344892
	-0.14323	-2.18877	0.02997	0.344943
	-0.30916	-2.18248	0.03044	0.346829
FRMPD2	-0.24517	-2.19028	0.029859	0.344614
	0.125435	2.188088	0.030021	0.345067
	0.159553	2.181554	0.030509	0.347071
	-0.15446	-2.18682	0.030116	0.345387
	0.215131	2.187131	0.030092	0.345259
	0.180767	2.182966	0.030403	0.346673
	-0.19032	-2.19018	0.029866	0.344638

	0.238848	2.185901	0.030184	0.345685
	0.217437	2.1846	0.030281	0.346035
HIST1H2AL;HIST1H2AI;HIST1H3J;HIST1H2AJ;HIST1H1B;HIST1H2AG;HIST1H4K;HIST1H4J	0.259545	2.188911	0.02996	0.344914
	0.247921	2.190392	0.029851	0.34456
	-0.33441	-2.18652	0.030137	0.345463
	0.218981	2.187015	0.030101	0.345291
	-0.23858	-2.18944	0.029921	0.344883
	0.115014	2.188714	0.029975	0.344975
HIP1;MDH2	0.2301	2.182511	0.030437	0.346829
C9orf139;LCNL1	0.254564	2.190984	0.029807	0.344313
	0.288064	2.188351	0.030002	0.345046
	-0.29573	-2.18337	0.030373	0.346471
	0.17568	2.187351	0.030076	0.345182
	0.106576	2.188083	0.030022	0.345067
ZFP82;CLIP3;ZNF568	0.175586	2.184505	0.030288	0.346042
HN1L;POLR3K;ENSG00000260051	0.195029	2.189809	0.029894	0.344758
	0.227787	2.186277	0.030156	0.345531
	0.229438	2.187349	0.030076	0.345182
	0.224949	2.188451	0.029994	0.345023
	-0.27452	-2.19004	0.029877	0.344675
CERKL	0.337877	2.183625	0.030354	0.346358
	0.215124	2.185414	0.03022	0.345838
SKI;NADK;RER1;PRDM16;LINC00982	0.174014	2.185115	0.030242	0.345899
	0.161941	2.188215	0.030012	0.345067
	0.161833	2.185347	0.030225	0.345845
	0.228192	2.188964	0.029956	0.344902
SNRPG;ZNF638;FAM136A	0.282046	2.18084	0.030563	0.347132
	0.256564	2.187367	0.030075	0.345182
	0.17735	2.185507	0.030213	0.345819
LMAN2	0.217982	2.187626	0.030055	0.345167
TMED11P;ENSG00000227189	0.216763	2.189542	0.029914	0.344851
	-0.16486	-2.18779	0.030043	0.345129
	0.190579	2.189311	0.029931	0.344892
	-0.2554	-2.18372	0.030346	0.346341
	-0.22656	-2.1872	0.030087	0.345242
ENSG00000249279;ELOVL7	0.29929	2.191051	0.029802	0.344313
	0.222509	2.181629	0.030503	0.347071
ENSG00000240859;MAD1L1;ENSG00000176349	-0.25721	-2.18911	0.029945	0.344892
	0.216745	2.191134	0.029796	0.344313
	0.241207	2.189062	0.029949	0.344892
ENSG00000174093;ENSG00000264198;IKZF3;RPL19	-0.19383	-2.1856	0.030206	0.345786
FRMPD2;LRRC18;ENSG00000232462;FRMPD2P1;C10orf128;PT				
PN20CP	-0.22157	-2.18541	0.03022	0.345838
	0.230021	2.189353	0.029927	0.344892
	-0.27216	-2.18878	0.02997	0.344943
C1orf158	0.206084	2.189264	0.029934	0.344892

NOMO2	-0.30609	-2.18923	0.029937	0.344892
NLRC5;GPR114;PRSS54;CETP;ENSG00000260438;CCDC135	-0.23333	-2.18664	0.030129	0.345416
	0.359274	2.185139	0.03024	0.345899
GRASP;ACVRL1;ACVR1B;TENC1;KRT18;KRT80;KRT8	-0.26657	-2.1808	0.030565	0.347132
	-0.30516	-2.18856	0.029986	0.345022
CRYZP1;FAM185A	-0.2574	-2.18847	0.029993	0.345023
FAM174B;ENSG00000260337;ENSG00000258676	-0.2666	-2.18366	0.030351	0.346355
	-0.17722	-2.18998	0.029881	0.344717
	-0.21981	-2.18873	0.029974	0.34497
	0.214757	2.187476	0.030067	0.345167
	0.220212	2.188518	0.029989	0.345022
SLC20A2	-0.30344	-2.19041	0.02985	0.344556
	-0.17324	-2.18778	0.030044	0.345131
	0.229751	2.190538	0.02984	0.344499
	0.246306	2.187914	0.030034	0.345091
DHRS9;NOSTRIN;CERS6	-0.29626	-2.18853	0.029989	0.345022
ADAMTS10;ZNF358;KANK3;ZNF559;CD320;STXBP2	0.29183	2.173987	0.031082	0.349145
	-0.25915	-2.18526	0.030232	0.345845
	-0.45858	-2.18727	0.030082	0.345197
	0.252664	2.189811	0.029894	0.344758
	0.17724	2.186527	0.030137	0.345463
TMEM189;MIR645	0.335551	2.186775	0.030119	0.345401
MIR143HG;ENSG00000253864;MIR145;PDGFRB	0.156772	2.185286	0.030229	0.345845
	0.18847	2.180263	0.030606	0.347202
	-0.19958	-2.18613	0.030166	0.345601
	0.250089	2.1876	0.030057	0.345167
	-0.29126	-2.18673	0.030122	0.345402
HAPLN3	0.14954	2.185638	0.030203	0.345786
	-0.32407	-2.18917	0.029941	0.344892
ATF4	-0.15874	-2.18369	0.030349	0.346351
SLC22A5	0.199896	2.186641	0.030129	0.345416
TTC5	-0.34001	-2.18903	0.029951	0.344892
	0.123194	2.183762	0.030343	0.346321
	-0.15279	-2.1875	0.030065	0.345167
	-0.17235	-2.18506	0.030247	0.345916
	0.261184	2.188963	0.029956	0.344902
	0.345033	2.181396	0.030521	0.3471
	-0.19919	-2.18475	0.03027	0.346001
BTN3A2	0.444322	2.186312	0.030153	0.345531
C7orf50;MAFK;GPER1	-0.32876	-2.18931	0.029931	0.344892
	0.161194	2.185477	0.030215	0.345819
	0.242504	2.181766	0.030493	0.34705
	0.239503	2.18549	0.030214	0.345819
HSH2D;ENSG00000269399	0.158153	2.185387	0.030222	0.345845
TMEM255B;F10;GAS6;TFDP1;TMCO3;ENSG00000267868;ADP				
RHL1;ATP11A	-0.35429	-2.18551	0.030213	0.345819

RPS23P6	0.244503	2.187798	0.030043	0.345129
	0.361581	2.187546	0.030061	0.345167
CEACAM6;CEACAM7	0.158992	2.185638	0.030203	0.345786
GALE;ENSG00000261326;RCAN3;FUCA1	0.159237	2.189566	0.029912	0.344851
BAIAP2;PCYT2;SLC25A10;CCDC40;MAFG-AS1;NOTUM	-0.35037	-2.18502	0.030249	0.345917
DNAJC16;ENSG00000228140	0.427206	2.180498	0.030588	0.347167
	0.273069	2.186746	0.030121	0.345401
METTL13	0.21902	2.186012	0.030175	0.345636
ELF3;UBE2T;TIMM17A;C1orf106;CSRP1;PPP1R12B;LAD1;LGR6	-0.33447	-2.18967	0.029904	0.344799
	-0.4686	-2.18665	0.030128	0.345416
FGFR4;COL23A1;PDLIM7;ARL10;DBN1;N4BP3;TSPAN17	-0.32496	-2.18738	0.030074	0.345182
	0.208529	2.18773	0.030048	0.345155
	0.216671	2.189693	0.029902	0.344799
	0.185213	2.185768	0.030194	0.345733
	0.144139	2.190197	0.029865	0.344638
	0.1537	2.178286	0.030755	0.347797
	0.244879	2.17833	0.030752	0.347774
	-0.20315	-2.18466	0.030276	0.346032
	0.270609	2.185776	0.030193	0.345733
	0.281374	2.189077	0.029948	0.344892
	-0.25358	-2.183	0.030401	0.346664
	0.259776	2.184624	0.030279	0.346034
TBC1D10C	0.315405	2.189925	0.029885	0.344743
	-0.14682	-2.18852	0.029989	0.345022
	0.234205	2.182899	0.030408	0.346693
KDM5B;CSRP1;LMOD1;TIMM17A;TMEM183A	-0.26034	-2.19088	0.029815	0.344314
MRGPRF	-0.2252	-2.18757	0.030059	0.345167
SLC37A3;HIPK2;TTC26;ATP6V0A4;KIAA1549;KDM7A;PARP12;M				
KRN1;DENND2A;TMEM213;ZC3HAV1;KLRG2	-0.33851	-2.18741	0.030071	0.345182
	0.241797	2.182796	0.030416	0.346721
	0.134735	2.182714	0.030422	0.346749
	-0.32825	-2.18294	0.030405	0.346676
	0.163501	2.184626	0.030279	0.346034
	-0.24519	-2.18427	0.030306	0.346135
	0.260185	2.183615	0.030354	0.346358
	-0.23355	-2.18933	0.029929	0.344892
	0.292448	2.187092	0.030095	0.345262
NSUN7;SMIM14;APBB2;ENSG00000249241;RBM47;CHRNA9;U				
GDH;LIMCH1;UGDH-AS1	-0.21435	-2.17794	0.030782	0.347829
	0.173027	2.186443	0.030143	0.345485
	-0.15684	-2.186	0.030176	0.34564
	0.275463	2.185352	0.030225	0.345845
ZNF57;TJP3;S1PR4;MATK;AES;SEMA6B	0.295201	2.178566	0.030734	0.347715
	-0.2123	-2.18598	0.030178	0.345647
C5orf42;LMBRD2;SPEF2;CAPSL	-0.30138	-2.18409	0.030319	0.346231
	-0.26789	-2.18749	0.030065	0.345167



	0.224722	2.186684	0.030125	0.345416
	0.193997	2.185081	0.030245	0.345911
	0.300646	2.180454	0.030592	0.347167
	0.276956	2.182329	0.030451	0.346882
	-0.18738	-2.18811	0.030019	0.345067
	0.226523	2.179757	0.030644	0.347293
	-0.23752	-2.18121	0.030535	0.347132
PLEKHB2	0.270433	2.183047	0.030397	0.34665
	-0.24824	-2.18395	0.030329	0.34626
PTPN14	-0.30152	-2.1856	0.030206	0.345786
CKMT2	0.244279	2.183926	0.030331	0.346269
	0.177643	2.186075	0.030171	0.345601
	0.20152	2.183903	0.030333	0.346275
JHDM1D-AS1	0.276687	2.187132	0.030092	0.345259
	0.175814	2.183129	0.030391	0.346607
	0.448634	2.18717	0.030089	0.345251
	0.120572	2.188453	0.029994	0.345023
	0.133885	2.185188	0.030237	0.345867
SH3YL1	-0.27457	-2.18628	0.030155	0.345531
	-0.18868	-2.17865	0.030727	0.34767
	-0.23013	-2.18343	0.030368	0.346455
	0.256869	2.185611	0.030205	0.345786
	0.216268	2.188092	0.030021	0.345067
CCDC40;ENSG00000263069;BAIAP2-AS1	-0.13811	-2.1834	0.03037	0.346458
ROR1;LEPR;AK4;ENSG00000224570;ENSG00000223949;ENSG0000226891;DNAJC6	-0.24975	-2.18487	0.030261	0.345966
	0.165553	2.187192	0.030088	0.345242
	0.148523	2.184564	0.030283	0.346035
NNMT;ANKK1;TTC12;ZBTB16;NCAM1	0.243023	2.177803	0.030792	0.347898
	0.328628	2.188032	0.030025	0.345071
	-0.23593	-2.18046	0.030591	0.347167
FOXF1;FENDRR;ENSG00000262601;FOXL1;CRISPLD2;KIAA0513	-0.24236	-2.18256	0.030433	0.346815
	-0.33147	-2.18813	0.030018	0.345067
	0.276987	2.188045	0.030024	0.345071
	0.21798	2.187098	0.030095	0.345262
	-0.19333	-2.1899	0.029887	0.34475
	0.243987	2.188619	0.029982	0.345
ENSG00000259358	-0.31912	-2.17805	0.030773	0.347826
SLC37A1;PDE9A;PRDM15;TMPRSS2	-0.17584	-2.18443	0.030293	0.346069
	-0.14624	-2.18107	0.030546	0.347132
SCARB1;ZNF664	0.234979	2.187311	0.030079	0.345196
	-0.24042	-2.18012	0.030617	0.347213
	0.129576	2.186298	0.030154	0.345531
	0.230465	2.179386	0.030672	0.347324
	0.114796	2.174825	0.031018	0.348869
	0.266303	2.181514	0.030512	0.347071

	0.221451	2.179745	0.030645	0.347293
	-0.22666	-2.18801	0.030027	0.345071
	0.157132	2.182537	0.030435	0.346825
	0.312543	2.188237	0.03001	0.345067
IL22RA1;RUNX3;RCAN3;STPG1;NIPAL3	-0.30623	-2.18415	0.030314	0.346185
	-0.18702	-2.18838	0.03	0.345046
EPT1;RAB10;GAREML;GPN1;HADHB;KCNK3	-0.20996	-2.18232	0.030451	0.346882
HLA-DOA;C6orf10;HLA-DPB1;HLA-DPA1;UQCC2;HCG25;TAP2	-0.25257	-2.1828	0.030416	0.346721
ITGB7	0.133434	2.187495	0.030065	0.345167
	0.246811	2.186313	0.030153	0.345531
	-0.15245	-2.18703	0.0301	0.34529
	-0.25693	-2.18526	0.030232	0.345845
	-0.18372	-2.18484	0.030262	0.345976
	-0.24347	-2.18053	0.030586	0.347167
	-0.21483	-2.18457	0.030283	0.346035
	-0.20955	-2.18579	0.030192	0.345733
SEMA6D;FBN1;FGF7;ENSG00000213862	0.314609	2.178062	0.030772	0.347826
	0.278984	2.186609	0.030131	0.345424
ANO2;VWF;ATN1;MRPL51;CD9	-0.18309	-2.18469	0.030274	0.346023
	-0.16558	-2.18214	0.030465	0.346936
	0.214439	2.179606	0.030656	0.347293
	-0.22997	-2.18278	0.030417	0.346721
	-0.17739	-2.18277	0.030418	0.346721
	0.152557	2.185344	0.030225	0.345845
	-0.21809	-2.1843	0.030303	0.346115
GIPC3;PTPRS;LRG1	-0.2188	-2.18081	0.030565	0.347132
	0.158867	2.185774	0.030193	0.345733
	-0.1963	-2.18118	0.030537	0.347132
	-0.16493	-2.18347	0.030365	0.346428
	0.225998	2.186112	0.030168	0.345601
	0.208013	2.181207	0.030535	0.347132
	-0.31152	-2.18341	0.03037	0.346458
FAM180A	0.217201	2.184358	0.030299	0.346099
	0.243446	2.185713	0.030198	0.345753
	0.245208	2.186043	0.030173	0.345619
C11orf21;ENSG00000255367;FAM86GP	0.266404	2.186106	0.030168	0.345601
	-0.19941	-2.18038	0.030597	0.347176
	0.22453	2.179651	0.030652	0.347293
	-0.18642	-2.18446	0.030291	0.346054
	-0.16249	-2.18253	0.030436	0.346825
	-0.31034	-2.18141	0.03052	0.347096
	0.137708	2.180585	0.030582	0.347167
GOLGA8H	-0.26828	-2.18475	0.030269	0.346001
ST6GALNAC1;SLC16A5;ICT1;SPHK1;FDXR;SMIM6;SMIM5;MRPS				
7;ST6GALNAC2;GALK1;PRPSAP1;CASKIN2	-0.28243	-2.18241	0.030445	0.346862
	0.167309	2.187592	0.030058	0.345167

GRASP;ACVR1B;KRT80;ACVRL1;ITGB7;TENC1;KRT18;OR7E47P; KRT7;BIN2;KRT8;SLC4A8	-0.34319	-2.18511	0.030243	0.345899
	0.256401	2.180964	0.030553	0.347132
	0.235904	2.18618	0.030163	0.345595
	-0.18556	-2.17898	0.030703	0.347512
PLCG2;ENSG00000260682;CDYL2;GAN	-0.22913	-2.17835	0.030751	0.347772
	0.199108	2.183897	0.030333	0.346275
	-0.16156	-2.1825	0.030438	0.346829
	0.252441	2.179713	0.030648	0.347293
REN;LGR6;RABIF;TMEM183A;PRELP;PPFIA4	-0.22779	-2.18556	0.030209	0.345807
	0.280355	2.180155	0.030614	0.34721
ENSG00000228972	0.227584	2.186124	0.030167	0.345601
	-0.23075	-2.18468	0.030274	0.346023
	-0.37838	-2.18546	0.030216	0.345819
ITGB3	0.265869	2.181045	0.030547	0.347132
MLLT4;ENSG00000228648;ENSG00000231720	-0.28617	-2.17935	0.030675	0.347324
	0.161919	2.184886	0.030259	0.345959
	-0.14036	-2.18194	0.03048	0.346988
NID1;RYR2;ACTN2;LGALS8	0.238271	2.181588	0.030506	0.347071
	0.248071	2.179493	0.030664	0.347307
	0.217467	2.181173	0.030538	0.347132
	-0.32598	-2.18376	0.030343	0.346321
	0.18382	2.184946	0.030255	0.34594
	0.390835	2.187486	0.030066	0.345167
SMTN;EMID1	0.195102	2.180166	0.030613	0.34721
	-0.15118	-2.18547	0.030216	0.345819
	-0.22442	-2.17958	0.030658	0.347293
EMR2	-0.15508	-2.18102	0.030549	0.347132
HMHA1;ARID3A;PPAP2C;REEP6	-0.23483	-2.18233	0.03045	0.346882
	0.298452	2.178945	0.030706	0.347519
PSTPIP1;WDR61;PSMA4	-0.21863	-2.17979	0.030642	0.347293
	0.281238	2.185967	0.030179	0.345647
	-0.25051	-2.18473	0.030271	0.346009
ENSG00000141854;SYDE1;RASAL3;TECR;NOTCH3;GIPC1;ZNF33 3	-0.39571	-2.17923	0.030684	0.347394
	0.247676	2.186083	0.03017	0.345601
SLC7A11;RAB33B	0.364096	2.174569	0.031038	0.348988
	0.259466	2.183233	0.030383	0.346537
SCUBE1	0.201042	2.184526	0.030286	0.346035
	0.32833	2.182171	0.030463	0.346936
	0.18614	2.182714	0.030422	0.346749
	0.286077	2.1864	0.030146	0.3455
TBX2;TBX4;ENSG00000267137;BRIP1	0.219679	2.181469	0.030515	0.347071
DNTTIP2;ABCD3	-0.30649	-2.18127	0.03053	0.347132
	-0.20136	-2.18152	0.030511	0.347071
ENSG00000238120;FBLN1;ENSG00000226328;NUP50;PHF21B; ENSG00000230922;RIBC2	0.220944	2.180264	0.030606	0.347202

TINAGL1	-0.1509	-2.18483	0.030264	0.345979
	-0.21522	-2.18052	0.030587	0.347167
	0.207898	2.184334	0.030301	0.346099
GOLGA5	0.201822	2.185931	0.030181	0.345669
	-0.36529	-2.18758	0.030059	0.345167
	0.150169	2.187374	0.030074	0.345182
FGD5;FBLN2;GRIP2	-0.27495	-2.18433	0.030301	0.346099
	-0.23923	-2.18454	0.030285	0.346035
	-0.19313	-2.18489	0.030259	0.345959
FTH1P4	0.21732	2.181559	0.030509	0.347071
	-0.17632	-2.18117	0.030538	0.347132
	0.186482	2.185625	0.030204	0.345786
CIITA;TNFRSF17;DEXI	0.259212	2.186319	0.030153	0.345531
	0.287908	2.182658	0.030426	0.346779
	0.204667	2.181452	0.030517	0.347071
RABGGTA	0.198739	2.183199	0.030385	0.346557
	-0.48288	-2.1828	0.030415	0.346721
	-0.1814	-2.1815	0.030513	0.347071
RBM4B	0.143209	2.179828	0.030639	0.347293
	0.118091	2.182786	0.030416	0.346721
	0.174569	2.182966	0.030403	0.346673
GIMAP8;GIMAP7;GIMAP6;REPIN1;GIMAP5;GIMAP1;GIMAP4;Z	0.311962	2.182768	0.030418	0.346721
	0.162971	2.181137	0.03054	0.347132
	-0.21328	-2.18395	0.030329	0.34626
NF398;LRRC61	-0.28974	-2.18398	0.030327	0.34626
	-0.27203	-2.17747	0.030817	0.34795
	-0.33994	-2.18463	0.030278	0.346034
LONRF2;CNOT11;TBC1D8	0.17361	2.176823	0.030866	0.348156
	-0.29196	-2.17428	0.03106	0.349063
	0.270523	2.175883	0.030938	0.348489
LRRC27;INPP5A;ECHS1	0.280342	2.178104	0.030769	0.347826
	-0.19188	-2.18586	0.030186	0.345698
	0.18636	2.180642	0.030577	0.347167
TGIF2;PIGU	-0.20944	-2.18145	0.030517	0.347071
	0.229218	2.18048	0.03059	0.347167
	0.217493	2.178402	0.030747	0.347763
F12	0.297926	2.177983	0.030778	0.347829
	-0.28202	-2.1838	0.030341	0.346321
	-0.18862	-2.18094	0.030555	0.347132
	0.269399	2.186928	0.030107	0.345337
	-0.28051	-2.18387	0.030335	0.346282
	0.236405	2.184253	0.030307	0.346138
	-0.25632	-2.18417	0.030313	0.346183
	-0.2501	-2.18218	0.030462	0.346936
	0.114956	2.177246	0.030834	0.348034
	-0.1841	-2.18008	0.03062	0.347224

MIR143HG;MIR143	-0.24129	-2.18086	0.030561	0.347132
	0.28371	2.182113	0.030467	0.346949
	0.213989	2.180123	0.030617	0.347213
	-0.22855	-2.18567	0.030201	0.345784
	0.213543	2.181486	0.030514	0.347071
SRGAP3-AS2	-0.25556	-2.17133	0.031286	0.349951
	0.301749	2.182593	0.030431	0.346804
	0.142264	2.183688	0.030349	0.346351
GDPD5	0.179758	2.184679	0.030275	0.346023
	0.188122	2.180199	0.030611	0.34721
	-0.16657	-2.18075	0.030569	0.347132
GIMAP8;GIMAP7;GIMAP5;GIMAP4;GIMAP6;ATG9B	0.219031	2.180231	0.030608	0.347202
	0.117668	2.183238	0.030382	0.346537
	-0.17616	-2.18165	0.030501	0.347071
	-0.51254	-2.18205	0.030471	0.346962
	0.17775	2.184968	0.030253	0.345936
ENSG00000224272;GAL3ST2;NEU4;KIF1A	-0.2712	-2.17759	0.030808	0.347917
	0.266391	2.181836	0.030488	0.347038
	0.21078	2.182007	0.030475	0.346983
	-0.26293	-2.18168	0.0305	0.347071
	0.180464	2.181577	0.030507	0.347071
ENSG00000259763	-0.17868	-2.18525	0.030232	0.345845
	0.232522	2.181896	0.030483	0.347005
	0.214127	2.183552	0.030359	0.346385
	0.15984	2.178369	0.030749	0.347763
	0.345754	2.18023	0.030609	0.347202
	-0.1817	-2.18497	0.030253	0.345936
	0.175287	2.177037	0.03085	0.348094
CD19	MORN1;CEP104;TTC34;FAM213B;SKI;ENSG00000269896;MEG			
	F6;TPRG1L;ARHGEF16;PLCH2;TP73			
	-0.29504	-2.17852	0.030738	0.347726
	0.160745	2.175581	0.030961	0.348545
	0.456079	2.185011	0.03025	0.345917
CARD11	-0.29805	-2.18209	0.030469	0.346953
	-0.279	-2.18332	0.030376	0.346496
	-0.31394	-2.1846	0.030281	0.346035
	0.140636	2.182692	0.030423	0.346758
ZC2HC1C;ISCA2;GPATCH2L;IFT43;MLH3;FCF1	-0.30836	-2.18154	0.03051	0.347071
	0.130126	2.175779	0.030946	0.348489
	0.180063	2.180586	0.030582	0.347167
CAMTA1;SLC45A1	-0.20773	-2.18084	0.030563	0.347132
	-0.22289	-2.18072	0.030572	0.347155
	-0.24448	-2.17968	0.03065	0.347293
	0.262088	2.180395	0.030596	0.347172
	-0.30281	-2.18262	0.030429	0.346803
	-0.38946	-2.18103	0.030548	0.347132
	0.287078	2.177366	0.030825	0.347992
	0.144044	2.181291	0.030529	0.347132

EXOC3L4	0.203523	2.181287	0.030529	0.347132
	-0.15966	-2.18403	0.030323	0.346252
	-0.31018	-2.1821	0.030468	0.34695
	0.177381	2.18613	0.030167	0.345601
	-0.12968	-2.17946	0.030667	0.347318
	0.241378	2.180778	0.030567	0.347132
	-0.29397	-2.18307	0.030395	0.346642
	0.170807	2.181005	0.03055	0.347132
PCYT2;BAIAP2-AS1;MAFG-AS1;LRRC45;BAIAP2;SLC25A10 RAMP3;CCM2	-0.39001	-2.18261	0.03043	0.346803
	-0.28967	-2.18376	0.030344	0.346321
	0.199442	2.181929	0.030481	0.346988
	0.205778	2.183881	0.030334	0.346279
DYSF;SNRPG;ADD2;PCBP1-AS1;FAM136A	-0.25926	-2.18476	0.030268	0.346001
	-0.24278	-2.17331	0.031134	0.349402
GRASP	0.213933	2.185332	0.030226	0.345845
	0.246684	2.180639	0.030578	0.347167
	0.217173	2.180969	0.030553	0.347132
	-0.1797	-2.18176	0.030493	0.34705
WNT9A;HIST3H2A	-0.35846	-2.182	0.030476	0.346983
	-0.28961	-2.17797	0.030779	0.347829
	0.145577	2.177607	0.030807	0.347917
	0.178557	2.182075	0.03047	0.346953
SLC2A1-AS1	0.255859	2.179522	0.030662	0.347307
	-0.19457	-2.18501	0.03025	0.345917
	-0.23052	-2.18153	0.030511	0.347071
	0.235762	2.181926	0.030481	0.346988
TCTEX1D4;CCDC24	-0.181	-2.18012	0.030617	0.347213
	-0.28577	-2.18329	0.030378	0.346514
	0.108621	2.174718	0.031026	0.348903
	0.259582	2.182227	0.030458	0.346925
ENSG00000198832;SMTN	-0.23154	-2.18029	0.030604	0.347202
	-0.26726	-2.18131	0.030527	0.347132
	-0.14895	-2.18448	0.03029	0.346054
	-0.26783	-2.17771	0.030799	0.347904
CENPM;PMM1	0.281466	2.180511	0.030587	0.347167
	-0.2325	-2.1723	0.031211	0.349749
CCDC37 DNAAF1	-0.25419	-2.18249	0.030439	0.346829
	0.417335	2.18494	0.030255	0.34594
	-0.25269	-2.18097	0.030553	0.347132
	0.259648	2.175898	0.030937	0.348489
ARL16	-0.14936	-2.18157	0.030508	0.347071
	0.252821	2.180499	0.030588	0.347167
	-0.51605	-2.18548	0.030215	0.345819
LIMK1;CLIP2;ENSG00000232415;GTF2IRD2	0.126692	2.179522	0.030662	0.347307
	-0.28368	-2.18454	0.030286	0.346035
	-0.3288	-2.17873	0.030722	0.347631

EGF	0.273993	2.174396	0.031051	0.349036
	0.269118	2.178553	0.030735	0.347716
PMEPA1;ZBP1;RAE1	-0.25855	-2.17051	0.031349	0.350161
RYSR2;NID1;ACTN2;MTR;B3GALNT2	-0.32541	-2.17883	0.030714	0.347576
EVC;CRMP1;STX18;STK32B;TMEM128	-0.24868	-2.18177	0.030493	0.34705
RASL12	0.24402	2.176715	0.030874	0.348167
	0.156771	2.176742	0.030872	0.348162
PITPNC1	-0.289	-2.18194	0.03048	0.346988
TMEM80	-0.19794	-2.1849	0.030258	0.345959
RBL2	0.366256	2.176607	0.030883	0.348233
GJC1;MPP2;GPATCH8;HDAC5;HEXIM1;ENSG00000267505;EFT				
UD2;ENSG00000267405;FZD2;HIGD1B	0.259542	2.182298	0.030453	0.346885
	-0.32848	-2.18039	0.030596	0.347172
ENSG00000229162;SRRM1	-0.23559	-2.17911	0.030693	0.347462
ADCY7;BRD7	-0.28744	-2.17665	0.030879	0.348213
	-0.21307	-2.17803	0.030775	0.347826
	0.112743	2.1808	0.030566	0.347132
	0.211982	2.178059	0.030773	0.347826
	-0.34496	-2.17971	0.030648	0.347293
OLFML2B;MPZ;DDR2;PVRL4;F11R;UAP1;ARHGAP30;C1orf226;F				
CGR3B;KLHDC9;C1orf110;USF1	0.320007	2.179633	0.030654	0.347293
	0.307606	2.182398	0.030446	0.346862
	-0.18221	-2.18364	0.030352	0.346355
	-0.19948	-2.17334	0.031132	0.349397
ENSG00000272142	0.25511	2.185039	0.030248	0.345917
	0.227501	2.180964	0.030553	0.347132
	0.174744	2.178907	0.030708	0.347541
	-0.16572	-2.184	0.030325	0.346252
	0.126017	2.17594	0.030933	0.348489
	-0.30983	-2.17939	0.030672	0.347324
	0.19069	2.175749	0.030948	0.348489
	0.287868	2.180902	0.030558	0.347132
	0.256878	2.180583	0.030582	0.347167
CISD3;LINC00672;PLXDC1	0.199141	2.181369	0.030523	0.347114
	-0.27947	-2.18076	0.030568	0.347132
	0.25004	2.178756	0.03072	0.347616
	0.277576	2.183522	0.030361	0.346392
	-0.18811	-2.18039	0.030596	0.347172
	-0.14356	-2.1768	0.030868	0.348156
	0.111901	2.178974	0.030703	0.347512
	-0.26565	-2.17766	0.030802	0.347915
	0.277029	2.180875	0.03056	0.347132
OGN	-0.16826	-2.17971	0.030647	0.347293
	-0.21815	-2.18016	0.030614	0.34721
	0.341343	2.179986	0.030627	0.347254
	-0.19009	-2.181	0.03055	0.347132
	0.134007	2.178436	0.030744	0.347763

	-0.21705	-2.17658	0.030885	0.348237
TNS3	0.283784	2.182999	0.0304	0.346664
	0.180596	2.181023	0.030549	0.347132
YKT6	0.116168	2.181162	0.030538	0.347132
SUN1;PSMG3	-0.31477	-2.18396	0.030328	0.34626
FLT3	0.195472	2.176123	0.03092	0.348402
	0.187936	2.175811	0.030943	0.348489
ENSG00000264198;IKZF3;PLXDC1;ERBB2	-0.33684	-2.18077	0.030568	0.347132
SHANK2-AS1;SHANK2	-0.34776	-2.17358	0.031113	0.349273
FND5;S100BP	0.219293	2.183364	0.030373	0.346471
EML6	0.245303	2.180694	0.030574	0.347165
ERG;WRB;HMGN1;LCA5L	-0.37881	-2.18167	0.0305	0.347071
PDE6B	0.259353	2.179604	0.030656	0.347293
	-0.13967	-2.18047	0.030591	0.347167
FES;CRTC3;CIB1;UNC45A	-0.26958	-2.17472	0.031027	0.348903
	0.288842	2.180328	0.030601	0.347202
PEAR1;NES;ASH1L;MUC1;LAMTOR2;RAB25;MEF2D;SMG5;SYT1				
1;ARHGEF2;MTX1;DAP3;CCT3;HDGF;ENSG00000273002;SSR2	-0.28373	-2.17987	0.030636	0.347293
	0.209347	2.179808	0.03064	0.347293
	-0.21993	-2.17588	0.030938	0.348489
B3GNT2;XPO1;ENSG00000231609	-0.26024	-2.17173	0.031255	0.349837
	0.273932	2.178235	0.030759	0.347797
	-0.19271	-2.17717	0.03084	0.348072
	-0.15234	-2.18078	0.030567	0.347132
MAP4;KIF9-AS1;KIF9;PTH1R	-0.12809	-2.18063	0.030578	0.347167
	0.228593	2.179631	0.030654	0.347293
	-0.25505	-2.18127	0.030531	0.347132
VAMP8;TCF7L1;DNAH6	-0.37414	-2.18167	0.0305	0.347071
	0.334659	2.178201	0.030762	0.347806
LMCD1;GRM7;SRGAP3-AS2;SRGAP3;GRM7-AS1	0.254519	2.175874	0.030938	0.348489
SLC17A9;RGS19;STMN3;ENSG00000267848	0.335934	2.182445	0.030442	0.34684
	-0.19453	-2.17227	0.031214	0.349749
	-0.17575	-2.17471	0.031027	0.348903
LOH12CR1	-0.24698	-2.17579	0.030945	0.348489
	-0.4448	-2.18168	0.030499	0.347071
	-0.15159	-2.18017	0.030613	0.34721
MLKL	-0.31357	-2.18199	0.030476	0.346983
SNTN	0.220143	2.175629	0.030957	0.348536
	-0.28364	-2.17822	0.030761	0.347802
	-0.22947	-2.17691	0.030859	0.348135
SCARB1;ZNF664;BR13BP;GTF2H3;NCOR2	-0.2132	-2.17938	0.030673	0.347324
CARS	0.24754	2.180025	0.030624	0.347243
	0.235824	2.18357	0.030358	0.346378
	-0.24186	-2.18043	0.030594	0.347172
	0.299718	2.178481	0.030741	0.34775
SP140;SP100;SP110;GPR55	0.409242	2.181928	0.030481	0.346988



	0.10159	2.18219	0.030461	0.346936
	-0.24443	-2.18124	0.030532	0.347132
	0.288413	2.172747	0.031177	0.349597
	0.286972	2.179661	0.030651	0.347293
FSD1L	-0.22887	-2.17528	0.030983	0.348663
	0.163392	2.180596	0.030581	0.347167
	-0.22018	-2.17193	0.03124	0.349837
	0.179465	2.181632	0.030503	0.347071
	-0.2887	-2.18421	0.03031	0.346166
ENSG00000269282	-0.14342	-2.17869	0.030725	0.347655
	-0.30872	-2.17965	0.030652	0.347293
	0.173372	2.179274	0.030681	0.347384
ITGAL;CORO1A;SPN;CD19;ZNF48;ENSG00000260219;ZNF768;C16orf54	0.25574	2.181002	0.03055	0.347132
	-0.13582	-2.18114	0.03054	0.347132
	-0.13349	-2.17824	0.030759	0.347797
	0.198482	2.1718	0.03125	0.349837
	-0.23492	-2.18002	0.030624	0.347243
ARL15;CDC20B	-0.32383	-2.17986	0.030636	0.347293
	-0.19308	-2.17561	0.030959	0.348536
C1QBP;NUP88;NLRP1	-0.26684	-2.181	0.030551	0.347132
	-0.2408	-2.17681	0.030867	0.348156
RNF8	0.245724	2.182323	0.030451	0.346882
SH2D4A;CSGALNACT1	-0.28202	-2.17706	0.030849	0.348087
DOCK2;LCP2;KCNMB1	-0.27358	-2.17743	0.03082	0.347961
	0.154665	2.178074	0.030771	0.347826
SEPT4;ENSG00000261040;RNF43;TRIM37;PPM1E;GDPD1;DHX40	0.236168	2.173867	0.031091	0.349179
	0.283008	2.177813	0.030791	0.347898
	0.231034	2.173744	0.031101	0.349218
	-0.22764	-2.18032	0.030602	0.347202
SNORA2B	-0.24668	-2.18025	0.030607	0.347202
RASAL3;KLF2;BRD4	-0.26867	-2.17774	0.030796	0.347904
PML	-0.16644	-2.17826	0.030758	0.347797
	0.180793	2.182469	0.03044	0.346829
TBC1D4	0.370858	2.177108	0.030845	0.348076
KIAA1731	-0.27097	-2.18176	0.030494	0.34705
	0.27624	2.177695	0.0308	0.347907
RUNX3	0.290819	2.18438	0.030297	0.346099
	0.25631	2.180108	0.030618	0.347214
	-0.19148	-2.17715	0.030841	0.348074
	0.201289	2.176898	0.030861	0.34814
	-0.17557	-2.17897	0.030703	0.347512
	-0.26263	-2.17119	0.031296	0.349973
ESRP2;FAM65A;CDH1;SLC12A4;NFATC3;RLTPR;TMEM208;CBFB;TRADD	-0.35201	-2.17771	0.030799	0.347904
ZNF404;ZNF229	-0.26838	-2.17632	0.030905	0.348326

ENSG00000225711	-0.16894	-2.17762	0.030806	0.347917
	-0.26163	-2.18076	0.030569	0.347132
	-0.28469	-2.18281	0.030415	0.346721
	0.158534	2.181336	0.030525	0.347132
TTLL6;LRRC46	0.20492	2.180202	0.030611	0.34721
PEAR1	0.190598	2.179986	0.030627	0.347254
	-0.29451	-2.18089	0.030559	0.347132
	0.22503	2.181804	0.03049	0.34705
	0.138024	2.182795	0.030416	0.346721
	0.215969	2.177337	0.030827	0.347998
	-0.24157	-2.18103	0.030548	0.347132
	-0.20735	-2.18214	0.030465	0.346936
MRPL23-AS1;NAP1L4	-0.36189	-2.1779	0.030785	0.347845
	-0.1324	-2.17627	0.030908	0.348344
RUNX3	0.349582	2.182343	0.03045	0.346882
	-0.24845	-2.17673	0.030873	0.348162
	-0.1957	-2.17964	0.030653	0.347293
	0.231878	2.178377	0.030748	0.347763
	0.183996	2.177625	0.030805	0.347917
LRRC8C;GBP5;GBP2;GBP6;GEMIN8P4;GBP4	-0.26971	-2.17183	0.031247	0.349837
	-0.14837	-2.16978	0.031405	0.350316
	-0.32226	-2.18055	0.030584	0.347167
ADAMTS6	0.265117	2.175502	0.030967	0.348567
SPOCK2	0.263382	2.179575	0.030658	0.347293
RASSF1	0.276909	2.182187	0.030461	0.346936
TMEM53;TIE1;TMEM125;PTPRF	-0.24157	-2.18007	0.03062	0.347224
	-0.30881	-2.17728	0.030832	0.348017
	0.1705	2.18085	0.030562	0.347132
	0.242823	2.17383	0.031094	0.349179
	-0.28259	-2.1792	0.030686	0.347403
	-0.27758	-2.17352	0.031118	0.349309
	-0.3137	-2.17801	0.030776	0.347829
	0.298633	2.178395	0.030747	0.347763
	-0.19664	-2.17402	0.03108	0.349142
	0.279683	2.182014	0.030474	0.346983
	0.274702	2.178033	0.030775	0.347826
	-0.27244	-2.17505	0.031001	0.348779
	0.155547	2.178813	0.030716	0.347576
MBOAT2;HPCAL1;KLF11;ENSG00000261104;CPSF3;ENSG00000188525;CYS1	-0.22054	-2.17795	0.030781	0.347829
	0.892154	2.183769	0.030343	0.346321
USP35	0.294462	2.173729	0.031102	0.349222
ENSG00000267121;FMNL1	-0.2321	-2.18154	0.03051	0.347071
SEL1L3	0.188067	2.174511	0.031042	0.349006
	-0.26524	-2.18227	0.030455	0.346902
	0.157589	2.180853	0.030562	0.347132
	0.309088	2.179931	0.030631	0.347273

	0.169957	2.180873	0.03056	0.347132
	0.165887	2.1772	0.030838	0.348064
	0.218759	2.180904	0.030558	0.347132
	-0.25898	-2.17414	0.031071	0.349124
	0.265856	2.180812	0.030565	0.347132
	0.263919	2.180576	0.030582	0.347167
	0.177595	2.174384	0.031052	0.349036
IGFBP4;FKBP10	0.281532	2.175892	0.030937	0.348489
DPY19L2	-0.18038	-2.17832	0.030753	0.347774
RYR2;NID1;MTR	-0.32542	-2.18094	0.030555	0.347132
	-0.43584	-2.18187	0.030485	0.347017
	0.140851	2.180515	0.030587	0.347167
MYD88;ITGA9;SCN11A;ENSG00000235257;NDUFAF4P3	-0.35775	-2.17856	0.030734	0.347715
	-0.2194	-2.1794	0.030671	0.347324
	0.161314	2.174922	0.031011	0.348818
	0.252853	2.179602	0.030656	0.347293
	0.303004	2.178129	0.030767	0.347826
EMILIN1	-0.25708	-2.17441	0.03105	0.349036
	-0.27049	-2.17576	0.030947	0.348489
	-0.25718	-2.18091	0.030558	0.347132
STARD9;DLL4;RHOF;LRRC57;SPINT1;TMEM87A;ENSG00000261183	-0.39692	-2.17894	0.030706	0.347519
	0.239424	2.181761	0.030493	0.34705
	0.201933	2.169883	0.031397	0.350313
	0.249264	2.180292	0.030604	0.347202
PLEKHG1	-0.29601	-2.17595	0.030932	0.348489
	0.212066	2.174242	0.031063	0.349069
KMT2A	-0.20617	-2.17951	0.030663	0.347307
	0.112164	2.179447	0.030668	0.347319
	0.260978	2.179186	0.030687	0.347404
EGFL7;NPDC1;EXD3;FAM69B;EHMT1	0.298976	2.179363	0.030674	0.347324
	-0.29453	-2.17442	0.031049	0.349036
RN7SL2;GNG2	-0.17112	-2.17337	0.03113	0.349397
RPS16	-0.19319	-2.17992	0.030632	0.347274
RPL18A	0.207827	2.182585	0.030431	0.346804
BAIAP2	0.182489	2.178882	0.03071	0.347554
	0.313712	2.17528	0.030984	0.348663
	-0.21308	-2.17812	0.030768	0.347826
ID3;HSPG2;USP48;LDLRAD2	0.366121	2.175488	0.030968	0.348567
CATSPERB;ENSG00000268657;TC2N;ATXN3;ENSG00000260711	-0.38635	-2.17922	0.030684	0.347394
	-0.13328	-2.17758	0.030809	0.347917
BHLHE22	-0.32743	-2.16583	0.031711	0.351235
	-0.20014	-2.17729	0.030831	0.348016
	0.356875	2.173806	0.031096	0.349183
	0.289049	2.176973	0.030855	0.34813
	-0.24608	-2.17513	0.030995	0.348746

OSBPL3;DFNA5	-0.25821	-2.17966	0.030651	0.347293
	0.197586	2.179877	0.030635	0.347293
	0.124471	2.180622	0.030579	0.347167
ENSG00000232344;SMCR8;DRG2	0.251825	2.176385	0.0309	0.348319
	-0.1996	-2.17798	0.030778	0.347829
	0.227379	2.17625	0.03091	0.348355
FLNB;DNASE1L3;IL17RD;ENSG00000242428	-0.30388	-2.17966	0.030651	0.347293
	-0.29807	-2.17462	0.031034	0.348963
	-0.28018	-2.18078	0.030567	0.347132
SH3BP1 COL1A1;ENSG00000248954;PPP1R9B;LRRC59 ARL1	-0.20191	-2.17804	0.030774	0.347826
	-0.37966	-2.17523	0.030987	0.348685
	-0.18797	-2.18027	0.030605	0.347202
ATF7;TENC1;PFDN5	-0.17141	-2.17946	0.030667	0.347318
	0.204266	2.174193	0.031067	0.349099
	-0.2995	-2.17513	0.030995	0.348746
NOVA2;SNRPD2;HIF3A ENSG00000235300	0.243622	2.174572	0.031038	0.348988
	-0.26056	-2.17407	0.031076	0.349124
	0.291267	2.174087	0.031075	0.349124
PLA2G4C;SEPW1;EHD2	-0.2625	-2.17569	0.030953	0.348515
	-0.17798	-2.1823	0.030453	0.346885
	-0.11917	-2.17902	0.0307	0.347512
PIBF1	-0.22526	-2.17241	0.031203	0.349722
	-0.28993	-2.17312	0.031149	0.349488
	0.289865	2.181127	0.030541	0.347132
PIK3CD;CASZ1	-0.14278	-2.17746	0.030818	0.347955
	0.324734	2.178137	0.030767	0.347826
	-0.20833	-2.17175	0.031254	0.349837
SOD3;PI4K2B;SLC34A2;CCDC149;LGI2 ENSG00000259628	0.38256	2.179948	0.03063	0.347268
	0.147672	2.178639	0.030729	0.34767
	-0.36805	-2.17576	0.030947	0.348489
CPNE5 CHRM3-AS2;CHRM3	-0.21504	-2.17437	0.031053	0.349038
	-0.22786	-2.1781	0.030769	0.347826
	0.490321	2.17612	0.03092	0.348402
	-0.21144	-2.1784	0.030746	0.347763
	0.120576	2.168923	0.031471	0.350532
	-0.26341	-2.1763	0.030906	0.348327
	-0.23412	-2.17759	0.030808	0.347917
	-0.26074	-2.17501	0.031005	0.348791
	-0.2991	-2.16634	0.031671	0.351144
	-0.25246	-2.17636	0.030902	0.348319
	-0.16556	-2.16947	0.031429	0.350352
	-0.20084	-2.17967	0.030651	0.347293
	0.171464	2.17922	0.030685	0.347394
	-0.28012	-2.17717	0.03084	0.348072
	0.209799	2.171458	0.031276	0.349934
	0.185235	2.175424	0.030973	0.348607
	0.188894	2.176949	0.030857	0.348135

ABI3;HOXB4;TBKBP1;HOXB3;GNGT2	-0.25702	-2.17638	0.0309	0.348319
	0.246286	2.180483	0.03059	0.347167
	-0.16252	-2.17318	0.031144	0.349471
ENSG00000259345	0.17599	2.176817	0.030867	0.348156
	-0.13123	-2.17797	0.030779	0.347829
	-0.1878	-2.16616	0.031685	0.351206
	-0.24113	-2.17636	0.030902	0.348319
	0.281491	2.177063	0.030848	0.348087
	-0.42224	-2.17898	0.030703	0.347512
DOPEY2;CBR3-AS1	-0.25264	-2.1717	0.031257	0.349837
GMPPA	0.266914	2.171402	0.03128	0.349944
SHANK2;SHANK2-AS1	0.289082	2.177417	0.030821	0.347961
PSMD13	0.197114	2.179728	0.030646	0.347293
	0.324175	2.172463	0.031199	0.349694
	-0.18519	-2.17682	0.030867	0.348156
	0.270324	2.179622	0.030654	0.347293
TMC8;TMC6	-0.37646	-2.17601	0.030928	0.34848
CES3;RANBP10;CES4A	-0.20101	-2.17252	0.031195	0.349694
	0.114651	2.168666	0.031491	0.350624
	-0.22652	-2.17757	0.03081	0.347917
	0.120541	2.177487	0.030816	0.34795
	-0.24736	-2.1692	0.03145	0.350375
IFT80	-0.28215	-2.17472	0.031026	0.348903
	-0.26337	-2.17936	0.030674	0.347324
	-0.12752	-2.16565	0.031725	0.35126
SLC30A9	-0.34201	-2.1795	0.030663	0.347307
MARVELD1	0.2126	2.173947	0.031085	0.349145
THBS2	-0.39969	-2.17733	0.030828	0.347998
PSMG3	0.192734	2.179015	0.0307	0.347512
ADAMTSL2;GBGT1;C9orf9;MED22;C9orf171;AK8;SARDH;SLC2A6	0.173227	2.176774	0.03087	0.348156
	-0.14443	-2.17623	0.030912	0.348356
ITGB7;ACVR1B	0.217778	2.179586	0.030657	0.347293
	-0.16085	-2.17792	0.030783	0.347838
	0.283186	2.172237	0.031216	0.349749
	-0.12381	-2.17079	0.031328	0.350094
	-0.24348	-2.17415	0.03107	0.349124
SDC4;PIGT;TOMM34;DNMTIP1;ADA	-0.30641	-2.17772	0.030798	0.347904
	-0.23856	-2.1806	0.030581	0.347167
	-0.18385	-2.17473	0.031025	0.348903
	0.266861	2.179495	0.030664	0.347307
	-0.21898	-2.17123	0.031294	0.349964
	0.227998	2.17709	0.030846	0.348076
	-0.23844	-2.17385	0.031093	0.349179
	-0.24572	-2.17757	0.03081	0.347917
	0.299889	2.178814	0.030715	0.347576
	0.297368	2.179744	0.030645	0.347293

CLEC10A;ACAP1 KAZALD1	0.187441	2.164471	0.031817	0.35167
	0.290099	2.18002	0.030624	0.347243
	0.284135	2.176785	0.030869	0.348156
	0.213082	2.178241	0.030759	0.347797
	0.262686	2.17938	0.030673	0.347324
B3GNT7 ENSG00000262370;IL32;CREBBP;FLYWCH1	0.252973	2.177289	0.030831	0.348016
	0.230657	2.178645	0.030728	0.34767
	0.172834	2.175783	0.030945	0.348489
	-0.37612	-2.17427	0.031061	0.349064
	0.263468	2.171189	0.031297	0.349973
NOTCH4;SLC44A4;CLIC1;TNXB;NELFE;FKBPL;HSPA1A;ENSG00000225914;C6orf10;HSPA1B;RNF5 CACNA1C;CACNA1C-AS4;TSPAN9;CACNA1C-IT3;RHNO1;FKBP4;ITFG2;NRIP2;TULP3;PRMT8 MLKL	0.237831	2.169511	0.031426	0.350352
	-0.22342	-2.1771	0.030845	0.348076
	-0.32903	-2.17139	0.031281	0.349944
	-0.27691	-2.17909	0.030695	0.34747
	0.256183	2.176329	0.030904	0.348323
HSD3B7 HIST2H2BA;ENSG00000231365	0.262659	2.175821	0.030942	0.348489
	0.222602	2.179221	0.030685	0.347394
	-0.35016	-2.17216	0.031222	0.349749
	0.136268	2.176934	0.030858	0.348135
	0.227547	2.174945	0.031009	0.348812
CBX2;ENSG00000178404 PSMG3	0.203838	2.175739	0.030949	0.348489
	0.206645	2.177129	0.030843	0.348074
	-0.25909	-2.17844	0.030744	0.347763
	-0.161	-2.17208	0.031229	0.349752
	0.227822	2.178186	0.030763	0.347809
CDH5 GJC2;WNT3A	0.2897	2.178051	0.030773	0.347826
	0.225222	2.175702	0.030952	0.348512
	-0.18918	-2.17623	0.030911	0.348356
	0.099389	2.173765	0.031099	0.34921
	0.224642	2.177718	0.030798	0.347904
PDPK1 TSPAN15;TET1	-0.22854	-2.17615	0.030917	0.3484
	0.190013	2.174917	0.031011	0.348818
	-0.2413	-2.17383	0.031095	0.349179
	0.171647	2.172685	0.031182	0.349618
	0.211695	2.174982	0.031006	0.348792
FAM178B;FER1L5;TMEM131	-0.23963	-2.17752	0.030813	0.347937
	0.148008	2.178413	0.030746	0.347763
	0.245117	2.176394	0.030899	0.348319
	-0.1837	-2.17757	0.03081	0.347917
	0.243966	2.17736	0.030826	0.347992
RSG1;CROCC;ENSG00000233421;MFAP2	-0.24524	-2.17393	0.031087	0.349151
	-0.19023	-2.17196	0.031238	0.349826
	-0.11258	-2.16964	0.031416	0.350352
	-0.13842	-2.17823	0.030759	0.347797
	-0.22554	-2.16929	0.031443	0.350352

	0.218532	2.171752	0.031253	0.349837
	0.223948	2.171428	0.031278	0.34994
	0.249908	2.169337	0.031439	0.350352
	0.261168	2.177422	0.030821	0.347961
LINC00996	-0.23588	-2.17643	0.030896	0.348319
	-0.24235	-2.17424	0.031063	0.349069
	-0.25908	-2.17258	0.03119	0.349669
MAP4K3	0.207318	2.177936	0.030782	0.347829
FOXC1	-0.2776	-2.16783	0.031556	0.350899
	0.294464	2.176505	0.03089	0.348275
ENSG00000196674	-0.20525	-2.16763	0.031571	0.350969
	0.143736	2.176771	0.03087	0.348156
	0.119102	2.173034	0.031155	0.349508
	0.323008	2.175515	0.030966	0.348567
CD96;BTLA	-0.36423	-2.17537	0.030976	0.348618
	-0.33365	-2.17995	0.03063	0.347268
	-0.21402	-2.16614	0.031686	0.351207
	-0.13193	-2.17579	0.030945	0.348489
LINC00689	0.188483	2.173956	0.031085	0.349145
	0.159069	2.172065	0.031229	0.349752
ARHGEF25;ENSG00000224713;TSPAN31;SLC26A10;B4GALNT1; R3HDM2;LRP1;PIP4K2C;ENSG00000257698;NDUFA4L2;NAB2	-0.31955	-2.17247	0.031198	0.349694
	0.104437	2.174015	0.03108	0.349142
SNAPIN;S100A6;S100A11;THEM4;NPR1	0.304035	2.173549	0.031116	0.349294
ENSG00000264198;IKZF3	-0.22863	-2.17613	0.030919	0.348402
	0.248787	2.176185	0.030915	0.348382
	-0.21656	-2.17003	0.031386	0.350297
	0.239094	2.17368	0.031106	0.349241
	0.20268	2.174896	0.031013	0.348822
	-0.19993	-2.17184	0.031247	0.349837
	0.195594	2.17636	0.030901	0.348319
	0.195774	2.177554	0.030811	0.347917
TNFRSF10A;TNFRSF10B;TNFRSF10D	-0.23167	-2.17599	0.03093	0.348487
	-0.29347	-2.17541	0.030974	0.348608
GNG2;NID2	-0.34344	-2.17561	0.030958	0.348536
	0.235549	2.176942	0.030857	0.348135
CEP104	0.203032	2.171644	0.031262	0.349848
ZNF629;ITGAL;CORO1A	-0.34215	-2.18024	0.030608	0.347202
	-0.21565	-2.17299	0.031158	0.349514
ATP6V1B1	0.242724	2.17772	0.030798	0.347904
	0.207818	2.177685	0.030801	0.347907
TACC1;GPR124;FGFR1;DDHD2;PPAPDC1B;PLEKHA2;RAB11FIP1; ERLIN2	0.311934	2.170751	0.03133	0.350094
	0.196238	2.176838	0.030865	0.348156
	0.218899	2.169211	0.031449	0.350375
	0.304922	2.175188	0.030991	0.348714

	-0.28865	-2.17509	0.030998	0.348763
SLC22A23;ENSG00000260604;ENSG00000272320;ENSG00000233068;SERPINB6;BPHL	0.224099	2.175578	0.030961	0.348545
RBM20	-0.31882	-2.17674	0.030872	0.348162
	0.284405	2.17593	0.030934	0.348489
SCARB1;BRI3BP;GTF2H3;ZNF664	-0.25134	-2.17509	0.030998	0.348763
	0.201586	2.172191	0.03122	0.349749
	0.277283	2.178374	0.030749	0.347763
	0.208049	2.176339	0.030903	0.348323
HLA-DRB1;HLA-DQA1;HLA-DQA2;HLA-DRB5;HLA-DQB1	0.523774	2.174763	0.031023	0.348903
	0.180684	2.175835	0.030941	0.348489
	0.203292	2.177479	0.030817	0.34795
	0.253163	2.171822	0.031248	0.349837
	0.246462	2.168688	0.031489	0.350618
	0.247461	2.168345	0.031516	0.350709
	0.262849	2.177124	0.030843	0.348074
APOL1;RBFOX2;APOL6;APOL2;HMOX1;NDUFA9P1	-0.31519	-2.17698	0.030854	0.34813
	0.177366	2.174474	0.031045	0.349024
	0.130261	2.17452	0.031042	0.349006
	0.124651	2.174387	0.031052	0.349036
	0.329089	2.175835	0.030941	0.348489
C9orf47;S1PR3	0.218123	2.17167	0.03126	0.349848
	0.318801	2.168706	0.031488	0.350618
	0.183947	2.170843	0.031323	0.350094
	-0.15077	-2.16842	0.03151	0.350689
	-0.18311	-2.17534	0.030979	0.34864
	0.245871	2.173243	0.031139	0.349428
	0.53983	2.174093	0.031074	0.349124
	-0.23717	-2.17101	0.031311	0.350051
	0.184591	2.175786	0.030945	0.348489
HCP5;ENSG00000235781	-0.34867	-2.17097	0.031314	0.350051
	0.307692	2.172548	0.031192	0.349685
	0.219232	2.17775	0.030796	0.347904
	-0.21536	-2.17472	0.031026	0.348903
	0.177938	2.16928	0.031444	0.350352
	0.186764	2.173039	0.031155	0.349508
ACVR2B	0.223048	2.173677	0.031106	0.349241
	0.352895	2.177851	0.030788	0.347875
	0.179624	2.172275	0.031213	0.349749
	-0.14568	-2.17397	0.031083	0.349145
	0.220431	2.172681	0.031182	0.349618
	0.151231	2.174299	0.031058	0.349054
	0.164568	2.173088	0.031151	0.349488
	-0.19017	-2.17232	0.03121	0.349749
	0.267064	2.17161	0.031264	0.349853
JHDM1D-AS1;DENND2A;KDM7A;ENSG00000271537	0.168706	2.172121	0.031225	0.349749
RPF1	0.242551	2.168612	0.031495	0.350625



IGHA2;KIF26A	-0.26908	-2.17361	0.031111	0.349273
	-0.20778	-2.17397	0.031084	0.349145
PRICKLE1	0.321841	2.172763	0.031176	0.349597
	0.125856	2.174505	0.031043	0.349006
YARS;LCK	0.140764	2.17659	0.030884	0.348237
SCARB1;ZNF664;BRI3BP	-0.25799	-2.1755	0.030967	0.348567
CARD8;HRC;PLA2G4C	0.301612	2.170013	0.031387	0.350297
ADCY2	0.175649	2.167929	0.031548	0.350875
MYH10;ENSG00000270606;ARHGEF15;NTN1;MPDU1;VAMP2;	0.281464	2.175528	0.030965	0.348567
ATP1B2;PER1;ZBTB4;MFSD6L	0.27382	2.167707	0.031565	0.350911
	0.218198	2.163562	0.031888	0.35196
	-0.24601	-2.17326	0.031138	0.349426
	-0.33575	-2.1765	0.030891	0.348275
	0.284392	2.171838	0.031247	0.349837
	-0.18074	-2.17662	0.030882	0.348231
WNT16;AASS;CPED1	0.290074	2.169397	0.031435	0.350352
KRT23	-0.30243	-2.17538	0.030976	0.348618
SALL2;ANG	0.209384	2.169664	0.031414	0.350352
WDR61;DNAJA4;ADAMTS7;ACSBG1;TSPAN3;CTSH;PSMA4;PSTP				
IP1;IDH3A;ENSG00000269951	-0.30978	-2.16901	0.031464	0.350472
MAL2	-0.37313	-2.17593	0.030934	0.348489
KRT6A;SMAGP	0.397194	2.171717	0.031256	0.349837
	-0.17449	-2.17293	0.031163	0.349538
	-0.18912	-2.17498	0.031007	0.348792
	-0.25901	-2.17136	0.031284	0.349951
SOX10;SH3BP1	0.443758	2.176011	0.030928	0.34848
ENSG00000261659;ENSG00000196674;NME4	-0.17652	-2.17146	0.031276	0.349934
FAM114A1	-0.64701	-2.16519	0.031761	0.3514
CTBP2;LHPP;CPXM2	-0.22565	-2.16739	0.031589	0.351006
	0.18103	2.170086	0.031381	0.350297
PTGDS	-0.1733	-2.1764	0.030899	0.348319
ENSG00000264198;IKZF3;ERBB2	-0.24588	-2.17504	0.031002	0.348779
	0.217992	2.170556	0.031345	0.350159
	0.259778	2.173135	0.031147	0.349488
ZNF831	0.197947	2.172864	0.031168	0.34957
	0.308137	2.176493	0.030891	0.348275
TNS1;SPEG;STK11IP;RQCD1;PNKD;STK16;GLB1L	0.309915	2.17142	0.031279	0.34994
	0.262926	2.171108	0.031303	0.350003
	0.150678	2.178843	0.030713	0.347576
	0.182958	2.174688	0.031029	0.348914
WDR45B;PCYT2;MAFG-AS1;METRNL	-0.24093	-2.17037	0.03136	0.35021
	0.132808	2.16932	0.031441	0.350352
FAM201A;ALDH1B1;ANKRD18A;SNX18P3;CNTNAP3	-0.26299	-2.16982	0.031402	0.350313
	0.260121	2.17065	0.031338	0.350126
WDR45B;PCYT2;NOTUM;C17orf62	-0.32984	-2.16985	0.0314	0.350313
SLCO5A1	-0.30182	-2.17432	0.031057	0.349049

MEFV	0.146676	2.170603	0.031342	0.350148
	0.158837	2.173674	0.031106	0.349241
	-0.31088	-2.17409	0.031074	0.349124
	-0.14336	-2.17434	0.031055	0.349047
	0.235552	2.17656	0.030886	0.348245
	0.170868	2.175902	0.030936	0.348489
ALDH1A3;TARSL2;ENSG00000259583	0.199593	2.175001	0.031005	0.348791
	-0.36555	-2.17779	0.030793	0.347902
CYGB	0.240728	2.173991	0.031082	0.349145
	-0.16204	-2.17294	0.031162	0.349538
ENSG00000269640	-0.17869	-2.16683	0.031633	0.351111
	-0.2985	-2.17035	0.031361	0.350214
ENSG00000262601;KIAA0513	-0.15361	-2.1721	0.031227	0.349749
	-0.46161	-2.17489	0.031013	0.348822
	0.241938	2.166523	0.031657	0.351144
	-0.16025	-2.16949	0.031427	0.350352
	-0.23557	-2.1675	0.031581	0.350987
	0.190527	2.173256	0.031138	0.349426
HMHA1;MOB3A;ZNF57;GNG7	-0.27411	-2.17691	0.030859	0.348135
	0.310846	2.17124	0.031293	0.349964
WDR45B;MAFG-AS1;PCYT2;TBCD;ENSG00000265678	-0.27817	-2.1708	0.031326	0.350094
ARHGEF10;CLN8	-0.27698	-2.16372	0.031875	0.351914
	0.272183	2.172752	0.031177	0.349597
SSBP3	0.21588	2.173642	0.031109	0.34926
IQCA1	0.204925	2.170292	0.031366	0.350214
RAET1E	-0.28248	-2.17714	0.030842	0.348074
	-0.25938	-2.1717	0.031257	0.349837
	0.178785	2.16992	0.031394	0.350313
	-0.20829	-2.17165	0.031261	0.349848
	0.178808	2.174092	0.031074	0.349124
	0.203414	2.172596	0.031189	0.349662
	-0.31052	-2.17542	0.030973	0.348607
	0.186878	2.172332	0.031209	0.349749
	0.280082	2.167768	0.031561	0.350899
	0.313881	2.17562	0.030958	0.348536
CSF1;KCNC4-AS1	-0.35034	-2.1716	0.031265	0.349853
	0.161335	2.173346	0.031131	0.349397
	0.253071	2.169485	0.031428	0.350352
VPS25;ATP6V0A1;CNTD1;COA3;BECN1;FKBP10;COASY;STAT5B	-0.30858	-2.17246	0.031199	0.349694
	0.247004	2.167109	0.031612	0.351044
	-0.2314	-2.17278	0.031174	0.349597
	0.110061	2.171077	0.031305	0.350015
	-0.24753	-2.17342	0.031126	0.349389
GIMAP8;NOS3;GIMAP6;GIMAP5;GIMAP7;GIMAP1;GIMAP4	0.247174	2.173395	0.031128	0.349397
	0.24672	2.172074	0.031229	0.349752

NRXN2;PRDX5;SNX15	0.226396	2.174357	0.031054	0.349041
	0.24971	2.175328	0.03098	0.34864
	0.1819	2.171861	0.031245	0.349837
	0.277462	2.172982	0.031159	0.349514
	0.298097	2.173593	0.031112	0.349273
PSTPIP1 GRHL2;SPAG1	0.263545	2.175658	0.030955	0.348531
	0.266118	2.17055	0.031346	0.350159
	-0.17395	-2.16632	0.031672	0.351144
	-0.23605	-2.1704	0.031358	0.35021
	-0.3808	-2.17221	0.031219	0.349749
RPL23AP32;ERLEC1;PSME4	0.226318	2.167173	0.031607	0.351015
	-0.16135	-2.17076	0.03133	0.350094
	0.27671	2.173108	0.03115	0.349488
	-0.24273	-2.17409	0.031075	0.349124
	0.25812	2.168771	0.031483	0.350618
PPAP2C;FSTL3;ARID3A;SHC2;MISP;PALM;ADAMTSL5;ATP8B3;H MHA1 SH3BP2	-0.22756	-2.16821	0.031527	0.350721
	-0.2468	-2.17095	0.031315	0.350051
	0.10437	2.168696	0.031489	0.350618
	-0.20074	-2.17095	0.031315	0.350051
	-0.33654	-2.17432	0.031057	0.349049
SLC36A1;ZNF300P1;GPX3	0.279685	2.171165	0.031298	0.349985
	0.18706	2.166225	0.03168	0.351178
	-0.47592	-2.16572	0.03172	0.35126
	-0.14763	-2.17264	0.031185	0.349636
	0.244086	2.165752	0.031717	0.35126
LCK ADAMTS2;COL23A1;ZNF354C;MAML1	-0.23773	-2.17241	0.031203	0.349722
	0.280256	2.175507	0.030966	0.348567
	-0.17612	-2.17221	0.031219	0.349749
	-0.25917	-2.17335	0.031131	0.349397
	0.261448	2.16895	0.031469	0.350517
RBM47;APBB2;UGDH;SMIM14 ENSG00000250790	-0.18806	-2.1721	0.031226	0.349749
	0.146004	2.1657	0.031721	0.35126
	0.223158	2.16919	0.031451	0.350375
	-0.22174	-2.17526	0.030985	0.34867
	0.172209	2.166618	0.03165	0.351135
PLVAP;JAK3;USHBP1;MYO9B;NR2F6;FCHO1;B3GNT3;MAST3	-0.25543	-2.16909	0.031458	0.350431
	0.233292	2.170861	0.031322	0.350094
	-0.18125	-2.17163	0.031263	0.349852
	-0.2962	-2.17037	0.031359	0.35021
	-0.23654	-2.17408	0.031075	0.349124
TBC1D10C;CTSW;GSTP1;PTPRCAP	-0.26801	-2.1731	0.03115	0.349488
	-0.26972	-2.17382	0.031095	0.349179
	0.243891	2.16994	0.031393	0.350313
	0.297276	2.173888	0.03109	0.349177
	0.234742	2.173826	0.031095	0.349179

FANCA	0.291692	2.169712	0.03141	0.350347	
	-0.33285	-2.17456	0.031039	0.34899	
	-0.20546	-2.17	0.031388	0.350297	
	-0.18238	-2.17336	0.03113	0.349397	
	0.199244	2.168712	0.031487	0.350618	
RLTPR;DPEP2;CES2;FAM65A LAT2;NCF1B;GTF2I	0.286393	2.171892	0.031243	0.349837	
	-0.2523	-2.17185	0.031246	0.349837	
	0.164963	2.170061	0.031383	0.350297	
	0.126376	2.169291	0.031443	0.350352	
	-0.1902	-2.16905	0.031462	0.350453	
	0.256149	2.167871	0.031553	0.350889	
	-0.28006	-2.17236	0.031207	0.349749	
	-0.24798	-2.17017	0.031375	0.350297	
	-0.67028	-2.1691	0.031457	0.350431	
	-0.15202	-2.16741	0.031588	0.351006	
	-0.15251	-2.16971	0.03141	0.350347	
	0.174298	2.175037	0.031002	0.348779	
	-0.37674	-2.16701	0.031619	0.351056	
	FAM151B;ENSG00000249042;ZFYVE16;MSH3;RASGRF2	-0.40109	-2.17032	0.031363	0.350214
	SPSB1;PIK3CD	-0.35476	-2.17227	0.031214	0.349749
RNF166;PIEZO1;CBFA2T3;SPIRE2;GAS8;ENSG00000259881 PEAR1;NES;MEF2D;ARHGEF2;SH2D2A;HDGF;CCT3;FCRL5;RAB25	-0.26344	-2.17006	0.031384	0.350297	
	-0.23332	-2.17403	0.031079	0.349142	
	-0.26606	-2.1708	0.031326	0.350094	
	0.233391	2.168403	0.031511	0.350689	
	-0.26489	-2.16741	0.031589	0.351006	
	0.255987	2.168398	0.031512	0.350689	
	0.199586	2.170465	0.031352	0.350179	
	-0.17408	-2.17033	0.031363	0.350214	
	-0.28164	-2.17177	0.031252	0.349837	
	-0.13646	-2.16865	0.031492	0.350625	
	SH3BP2	0.256686	2.172992	0.031158	0.349514
		-0.16108	-2.16504	0.031773	0.351465
		ATP8B2;SHE;TDRD10;NPR1;DENND4B;S100A6;GATAD2B;SNAPIN;SLC27A3;C1orf43;JTB;CREB3L4;UBE2Q1	-0.26237	-2.16948	0.031429
	HIST1H4J;HIST1H4H	0.193037	2.168581	0.031498	0.350633
		-0.33658	-2.17092	0.031317	0.350063
-0.19717		-2.17129	0.031289	0.349951	
-0.20208		-2.17113	0.031301	0.350003	
0.232962		2.168826	0.031479	0.350596	
AIF1;PSMB8;TAP1;LST1;HLA-C;HLA-B	0.247384	2.164692	0.031799	0.351613	
	-0.21307	-2.17302	0.031156	0.349512	
	0.286657	2.170677	0.031336	0.350126	
	-0.16179	-2.16456	0.031809	0.351633	
	-0.26376	-2.17309	0.031151	0.349488	
	-0.16379	-2.16752	0.03158	0.350986	

UNC13B;ANXA2P2;STOML2;DCTN3	-0.29882	-2.17316	0.031146	0.349485
	-0.16001	-2.16855	0.0315	0.350639
	-0.25802	-2.16581	0.031713	0.351235
	0.201553	2.16928	0.031444	0.350352
GAS6;TMEM255B;TFDP1;TUBGCP3;F10;ADPRHL1;ATP11A	-0.26027	-2.17176	0.031253	0.349837
	0.200902	2.165453	0.03174	0.35127
KIAA1731	0.244812	2.172755	0.031177	0.349597
	0.305929	2.172102	0.031227	0.349749
ACTRT3	-0.14649	-2.16984	0.031401	0.350313
	-0.1521	-2.16818	0.031528	0.350721
	0.200242	2.170029	0.031386	0.350297
	0.240507	2.172881	0.031167	0.349565
	-0.18916	-2.17439	0.031052	0.349036
	0.299455	2.16732	0.031595	0.351006
	-0.2314	-2.16546	0.03174	0.35127
	0.205389	2.16933	0.03144	0.350352
	0.304005	2.173596	0.031112	0.349273
	0.237193	2.168709	0.031488	0.350618
ITGB2;TRPM2	0.195156	2.172238	0.031216	0.349749
HES6	0.336171	2.172766	0.031176	0.349597
NEUROD2				
EXOC3L4;KIF26A;C14orf2;INF2;ADSSL1;EIF5;ENSG00000259508				
;TNFAIP2	-0.35514	-2.17065	0.031338	0.350126
TRAF3IP1;HES6;ENSG00000232306	-0.27878	-2.17247	0.031199	0.349694
	0.263457	2.170971	0.031313	0.350051
	-0.35965	-2.16737	0.031591	0.351006
	0.252863	2.1719	0.031242	0.349837
	0.267519	2.171277	0.03129	0.349951
AMPD3;MRVI1;ZBED5	-0.27866	-2.16788	0.031552	0.350889
	0.222642	2.168193	0.031528	0.350721
FGFR2	0.397995	2.167098	0.031612	0.351044
	0.195819	2.170292	0.031366	0.350214
ZC3H7A	-0.17366	-2.16979	0.031404	0.350316
GTDC1;ZEB2	-0.29427	-2.17175	0.031254	0.349837
	0.167375	2.17249	0.031197	0.349694
	-0.21787	-2.1686	0.031496	0.350626
DAPK2;HERC1	0.326502	2.172831	0.031171	0.34959
FSTL3	-0.23494	-2.16779	0.031559	0.350899
CLIC6;KCNE1;LINC00310	-0.42321	-2.16642	0.031665	0.351144
	-0.28566	-2.16549	0.031737	0.35127
HERC1;TLN2;ENSG00000259459;USP3-				
AS1;USP3;ENSG00000259498;DAPK2	-0.33494	-2.16087	0.032098	0.352913
MLLT4;ENSG00000231720	0.318275	2.172151	0.031223	0.349749
	0.181615	2.17175	0.031254	0.349837
	0.274314	2.169213	0.031449	0.350375
	-0.36882	-2.17067	0.031337	0.350126
	0.16449	2.169894	0.031396	0.350313

NEK2;BATF3	-0.28913	-2.17265	0.031184	0.349632
	-0.28079	-2.16964	0.031416	0.350352
	-0.30801	-2.16979	0.031404	0.350316
	-0.25253	-2.17112	0.031302	0.350003
	0.307171	2.165695	0.031721	0.35126
	0.246275	2.169478	0.031428	0.350352
	0.287575	2.167425	0.031587	0.351006
	0.290958	2.169347	0.031439	0.350352
	0.160086	2.166419	0.031665	0.351144
	0.224931	2.169623	0.031417	0.350352
MYOM2	-0.34046	-2.16925	0.031446	0.350371
MADD;AMBRA1	0.263832	2.168218	0.031526	0.350721
	0.165092	2.17149	0.031273	0.349925
TBC1D10C	-0.33744	-2.17202	0.031232	0.349777
	-0.21773	-2.16553	0.031735	0.35127
	-0.19317	-2.17332	0.031133	0.349398
	0.223552	2.170056	0.031384	0.350297
	0.190094	2.168779	0.031482	0.350618
DYNC1I1;SGCE	-0.28792	-2.1657	0.031721	0.35126
SLCO2B1;C11orf30;ENSG00000255507;POLD3;ENSG00000179240;MAP6	0.212726	2.168526	0.031502	0.350653
	-0.17383	-2.16874	0.031485	0.350618
	0.266589	2.162784	0.031948	0.35219
	-0.19789	-2.1703	0.031365	0.350214
	-0.20683	-2.17001	0.031388	0.350297
	0.221267	2.169691	0.031412	0.350352
	0.254066	2.171322	0.031286	0.349951
	0.251209	2.172238	0.031216	0.349749
	0.130212	2.168304	0.031519	0.350713
ITGA1;PELO	-0.39261	-2.1668	0.031636	0.351119
	-0.20383	-2.1659	0.031706	0.35122
	-0.36044	-2.17219	0.03122	0.349749
TPMT	0.251721	2.168058	0.031538	0.350805
	0.205183	2.17333	0.031133	0.349398
	0.31708	2.170571	0.031344	0.350159
STAT2;TESPA1	0.37449	2.172152	0.031223	0.349749
	-0.14515	-2.1583	0.032301	0.353771
PEAR1;HDGF;KIRREL	0.17524	2.16645	0.031663	0.351144
	0.188615	2.166721	0.031642	0.351129
EBF3	-0.21814	-2.16456	0.031809	0.351633
ADCY3;DNAJC27;DNAJC27-AS1;PFN4;NCOA1;DNMT3A;ITSN2;ENSG00000115128	-0.2553	-2.16643	0.031665	0.351144
	-0.20806	-2.17084	0.031324	0.350094
	0.330542	2.172787	0.031174	0.349597
	-0.20585	-2.17084	0.031323	0.350094
DZIP1	-0.26897	-2.16602	0.031696	0.351214
	-0.3695	-2.16939	0.031435	0.350352

FCGBP;CEACAM21	-0.25726	-2.17216	0.031222	0.349749
	0.276212	2.172154	0.031223	0.349749
	0.307545	2.171336	0.031285	0.349951
	0.263897	2.170972	0.031313	0.350051
	0.170756	2.167743	0.031562	0.350899
TMEM232	0.143226	2.172483	0.031197	0.349694
	0.1586	2.165346	0.031748	0.351322
	0.213376	2.169832	0.031401	0.350313
C3orf67;ABHD6;FLNB;ENSG00000242428	-0.37603	-2.16723	0.031602	0.351006
	0.26109	2.165806	0.031713	0.351235
RNF34	0.247159	2.172108	0.031226	0.349749
	0.286423	2.167742	0.031563	0.350899
SNHG3	0.198409	2.172325	0.031209	0.349749
	-0.13898	-2.16209	0.032003	0.352419
	0.29644	2.170101	0.03138	0.350297
	0.218708	2.172723	0.031179	0.349609
	0.264617	2.168614	0.031495	0.350625
SMG9;ZNF221	-0.18758	-2.16673	0.031641	0.351129
	-0.23768	-2.16684	0.031633	0.351111
	0.17773	2.169815	0.031402	0.350313
	0.195359	2.174448	0.031047	0.349036
	-0.29845	-2.17128	0.03129	0.349951
SLC16A11	0.223025	2.165941	0.031702	0.351214
	0.2006	2.167278	0.031598	0.351006
	-0.28752	-2.16931	0.031441	0.350352
	-0.24371	-2.17011	0.03138	0.350297
CEP85	-0.21765	-2.1711	0.031303	0.350003
	0.127312	2.170615	0.031341	0.350146
ANKH;RBBP4P1;FAM134B	0.274179	2.165699	0.031721	0.35126
	0.258975	2.169832	0.031401	0.350313
	0.187141	2.164301	0.03183	0.351736
	-0.22054	-2.17153	0.03127	0.3499
	-0.1944	-2.16818	0.031528	0.350721
CD9;IFFO1;LEPREL2;PLEKHG6;CLSTN3;SCNN1A;ENSG00000257084;VWF;CD27;ANO2;GNB3;SPSB2;NTF3;LPCAT3;TPI1	-0.38196	-2.16829	0.03152	0.350713
	-0.23433	-2.17165	0.031261	0.349848
CARD8	0.300066	2.172922	0.031164	0.349538
	0.264443	2.168425	0.03151	0.350689
	0.236163	2.167074	0.031614	0.351045
	0.201754	2.17046	0.031353	0.350179
GPATCH8;RPL27;MEOX1	-0.19829	-2.16922	0.031448	0.350375
	-0.16441	-2.16742	0.031587	0.351006
RARRES3	0.118807	2.170124	0.031379	0.350297
	0.158965	2.166285	0.031675	0.35115
PTPRN2;ENSG00000231980;LINC00689;WDR60	-0.18487	-2.16797	0.031545	0.35086
	-0.17054	-2.16491	0.031782	0.351496
RPS18;SYNGAP1;RPL32P1				

KIRREL;LRRC71;PEAR1;NES;HDGF;MEF2D;TSACC;KIRREL-IT1	-0.47595	-2.1626	0.031963	0.352237
	-0.23585	-2.16965	0.031415	0.350352
	0.183607	2.16747	0.031584	0.350992
	0.171826	2.170371	0.03136	0.35021
	-0.19651	-2.16805	0.031538	0.350805
PCDHB9	-0.25528	-2.16337	0.031902	0.352004
SMIM20	0.253348	2.165922	0.031704	0.351214
CBX2;C1QTNF1;TIMP2;ENSG00000178404;ENSG00000267491; USP36	-0.25761	-2.16963	0.031417	0.350352
	-0.28641	-2.16009	0.03216	0.35322
	0.171748	2.167541	0.031578	0.350986
	-0.25887	-2.17052	0.031348	0.350161
	-0.32295	-2.17132	0.031287	0.349951
ENSG00000241764;LAMB1	0.274365	2.170733	0.031332	0.3501
	-0.27518	-2.1727	0.031181	0.349618
	0.224937	2.157156	0.032391	0.35397
	-0.23329	-2.16725	0.031601	0.351006
	0.192864	2.170957	0.031314	0.350051
	0.265283	2.16594	0.031702	0.351214
	-0.35395	-2.17122	0.031294	0.349964
TRAF3IP1;LINC01107	-0.261	-2.17066	0.031337	0.350126
	0.201124	2.166064	0.031693	0.351214
	0.251677	2.171015	0.03131	0.350051
ANKH;DNAH5	-0.31247	-2.15278	0.032739	0.355175
	-0.21309	-2.16747	0.031584	0.350992
	-0.29385	-2.16954	0.031424	0.350352
	0.239483	2.166553	0.031655	0.351144
DNAJB1;GIPC1;TECR;LYL1;CACNA1A;EMR2;ENSG00000141854; SAMD1	-0.22608	-2.17173	0.031255	0.349837
	0.207218	2.166982	0.031621	0.351061
	0.126692	2.168403	0.031511	0.350689
MTND2P28;SCNN1D	0.217773	2.171922	0.03124	0.349837
C20orf85;TUBB1;ENSG00000225806	-0.16162	-2.16612	0.031689	0.351214
PTGIR	0.188058	2.159633	0.032196	0.353332
	0.250126	2.16557	0.031731	0.351266
FAM41C	-0.22667	-2.17127	0.031291	0.349951
	-0.26122	-2.1703	0.031365	0.350214
	0.293083	2.171595	0.031265	0.349853
	-0.32207	-2.16581	0.031712	0.351235
TBC1D10C;RBM14	0.218809	2.172104	0.031226	0.349749
CIRBP;ENSG00000267530	0.400616	2.168261	0.031522	0.350721
	-0.20505	-2.16328	0.03191	0.352016
ATP10A	-0.38028	-2.17046	0.031353	0.350179
	0.707479	2.167806	0.031558	0.350899
	0.327646	2.166623	0.031649	0.351135
	0.357699	2.170109	0.03138	0.350297



PPP1R18;HCP5;C6orf10;SLC44A4;TNXB;NOTCH4;HLA-B;HSPA1A;HSPA1B;DDR1;GPSM3;LTB	-0.25592	-2.16606	0.031693	0.351214
	-0.15698	-2.16942	0.031433	0.350352
	-0.30121	-2.1713	0.031288	0.349951
	-0.13489	-2.16699	0.031621	0.351061
SLC35B3;BMP6;DSP	-0.30134	-2.1643	0.03183	0.351736
CECR7;BCL2L13	-0.2442	-2.16559	0.03173	0.351266
TUBGCP3;TMEM255B;TMC03;GAS6;ATP11A	0.227505	2.169518	0.031425	0.350352
	-0.1317	-2.16464	0.031804	0.351613
	-0.17398	-2.16586	0.031708	0.351235
TSPAN32;CARS;NAP1L4;CDKN1C;OSBPL5;IGF2	-0.22531	-2.17138	0.031282	0.349944
SLC50A1;ASH1L;MEF2D;FLAD1;SYT11;RAB25;LAMTOR2;MTX1;ARHGEF2;SMG5;MUC1;CCT3;KCNN3;ADAR	-0.2326	-2.16829	0.03152	0.350713
	-0.12879	-2.15794	0.032329	0.353825
SLC7A5;FANCA	0.24125	2.170766	0.031329	0.350094
	-0.28789	-2.17077	0.031329	0.350094
	0.20578	2.169717	0.03141	0.350347
	-0.2203	-2.16171	0.032033	0.352589
	0.218344	2.170794	0.031327	0.350094
	0.183691	2.159116	0.032236	0.353493
MIR600HG;RC3H2	-0.14782	-2.17145	0.031277	0.349934
	-0.21318	-2.16908	0.031459	0.350431
SLC4A11	0.156984	2.163815	0.031868	0.351884
	-0.34218	-2.16375	0.031873	0.351906
	0.162163	2.169824	0.031402	0.350313
	-0.29581	-2.16591	0.031704	0.351214
	0.256025	2.170547	0.031346	0.350159
ENSG00000261471;ATP2C2;OSGIN1	-0.47344	-2.16982	0.031402	0.350313
TACC2	0.261284	2.167957	0.031546	0.35086
	0.24847	2.170093	0.031381	0.350297
	-0.34254	-2.17303	0.031155	0.349508
CLDN5;RANBP1;MRPL40	-0.36643	-2.16937	0.031437	0.350352
	0.231732	2.169412	0.031433	0.350352
	-0.22641	-2.16648	0.03166	0.351144
	0.223276	2.163289	0.031909	0.352016
	0.255162	2.167274	0.031599	0.351006
	-0.21633	-2.16503	0.031773	0.351465
	0.304523	2.169363	0.031437	0.350352
	-0.22157	-2.16662	0.03165	0.351135
MND1	0.324732	2.170088	0.031381	0.350297
	-0.28076	-2.16929	0.031443	0.350352
FOXA1;ENSG00000259087;MIPOL1;ENSG00000258414	0.347389	2.166418	0.031665	0.351144
TRAF4;RPS7P1;NOS2	-0.31937	-2.16494	0.03178	0.351494
	0.235534	2.169596	0.031419	0.350352
EGFL7	-0.21972	-2.17025	0.031369	0.35024
	0.243477	2.168887	0.031474	0.350553
	0.260961	2.168623	0.031494	0.350625

	0.197868	2.170391	0.031358	0.35021
	-0.164	-2.16687	0.03163	0.351111
	-0.23709	-2.16723	0.031603	0.351006
	0.242303	2.164501	0.031814	0.35167
	0.161291	2.170517	0.031348	0.350161
	0.180504	2.169526	0.031425	0.350352
EVL;BCL11B	-0.33232	-2.17081	0.031326	0.350094
	0.343567	2.169593	0.03142	0.350352
	0.201066	2.167554	0.031577	0.350986
IQGAP3	0.220845	2.164284	0.031831	0.351736
C1orf168;PPAP2B	-0.22494	-2.15977	0.032185	0.353295
	0.203933	2.167339	0.031594	0.351006
	0.227591	2.165226	0.031758	0.351393
ERVW-1	0.293542	2.167215	0.031603	0.351006
	0.196238	2.164672	0.031801	0.351613
DIP2C	0.383768	2.165199	0.03176	0.3514
	0.206949	2.167876	0.031552	0.350889
	0.197844	2.168464	0.031507	0.350689
	-0.17143	-2.15622	0.032465	0.354253
	-0.17324	-2.16746	0.031584	0.350992
	0.2284	2.161645	0.032038	0.352612
	0.193633	2.167024	0.031618	0.351056
	0.226339	2.169341	0.031439	0.350352
	-0.19444	-2.16034	0.03214	0.353132
SPEG;WNT6;STK16	-0.19206	-2.16572	0.031719	0.35126
FBXO17	0.19779	2.166324	0.031672	0.351144
	0.275468	2.164423	0.03182	0.351689
ENSG00000271554	0.188349	2.164466	0.031817	0.35167
	-0.25272	-2.16777	0.03156	0.350899
	0.247001	2.169513	0.031426	0.350352
	0.254192	2.165061	0.031771	0.351458
TESC;SUDS3;FBXO21	-0.30567	-2.16083	0.032102	0.352913
CTHRC1;ENSG00000247081;SLC25A32	0.226153	2.163503	0.031892	0.35196
	-0.16052	-2.16868	0.03149	0.350618
	-0.18862	-2.16603	0.031695	0.351214
	-0.34375	-2.15165	0.03283	0.355374
TRAF3IP1;ENSG00000232306;LINC01107	-0.24884	-2.16434	0.031827	0.351724
	-0.14369	-2.16497	0.031778	0.351494
	0.108142	2.162326	0.031984	0.352343
	0.206873	2.168453	0.031508	0.350689
GRIA1;GALNT10	-0.35038	-2.16397	0.031856	0.35184
	-0.23682	-2.16694	0.031624	0.351079
INHBB	0.286446	2.166415	0.031665	0.351144
	-0.14038	-2.16635	0.03167	0.351144
	0.219511	2.157978	0.032326	0.353824
SIX1	0.276694	2.163474	0.031894	0.351971
DCDC2B;TINAGL1;SDC3;TMEM234	-0.21533	-2.16313	0.031922	0.352078

SNAPIN;TDRD10;S100A6;SHE;DENND4B;UBE2Q1;ATP8B2 PSTPIP1;NRG4 CD7;C17orf62	-0.25335 0.213273 0.239412 0.190493	-2.1586 2.16597 2.169539 2.159878	0.032277 0.0317 0.031424 0.032176	0.35367 0.351214 0.350352 0.353269
SNORA74A;UBE2D2;CTNNA1;LRRTM2;ENSG00000254363	-0.19705 -0.2483 0.218109 0.131426 -0.25877	-2.16774 -2.16829 2.16871 2.165452 -2.16839	0.031562 0.03152 0.031488 0.03174 0.031512	0.350899 0.350713 0.350618 0.35127 0.350689
RXRG BIK;TTLL12	0.326926 -0.31299 -0.22198	2.169537 -2.16156 -2.16084	0.031424 0.032044 0.032101	0.350352 0.352648 0.352913
FAM83H;LY6D;CYC1;FAM83H-AS1	-0.18561 -0.16255 0.24306 0.240721	-2.16762 -2.16999 2.166392 2.167315	0.031572 0.031389 0.031667 0.031596	0.350969 0.350299 0.351144 0.351006
CHCHD4;LSM3;RPL32;MKRN2	0.180254 0.158566 0.24568	2.167726 2.167151 2.162188	0.031564 0.031608 0.031995	0.350904 0.351025 0.352387
GRK4 JAK3;KLF2;FCHO1;MYO9B;PLVAP;B3GNT3	-0.17135 0.235264 0.228389 -0.29326 0.202635	-2.16751 2.167961 2.16911 -2.16651 2.165114	0.03158 0.031546 0.031457 0.031658 0.031767	0.350986 0.35086 0.350431 0.351144 0.351427
ACTA2;ACTA2-AS1	0.162918 0.232449 0.201559 0.414401 0.214851 0.272406 0.229272 0.201948	2.165402 2.162008 2.165649 2.169924 2.164494 2.167537 2.171751 2.160273	0.031744 0.032009 0.031725 0.031394 0.031815 0.031578 0.031254 0.032145	0.351292 0.352453 0.35126 0.350313 0.35167 0.350986 0.349837 0.353144
WFDC1;USP10;ENSG00000262601;MBTPS1;KIAA0513;HSDL1;A TP2C2;ZDHHC7	-0.3847 0.226512 -0.29758 0.194428 0.148751 -0.27478	-2.16823 2.165951 -2.16784 2.164734 2.166669 -2.16511	0.031525 0.031701 0.031555 0.031796 0.031646 0.031767	0.350721 0.351214 0.350899 0.351613 0.351134 0.351427
USP48	0.209841 0.129794	2.170142 2.161527	0.031377 0.032047	0.350297 0.352662
CLDN7;ARHGEF15;ELP5;BCL6B;MPDU1;MYH10;VAMP2;TNFSF1 2;CTC1;TNK1;ATP1B2;ENSG00000270606;KCTD11;NLGN2;SLC2 A4;TMEM102;ACAP1;PHF23	-0.32835 0.150385	-2.16283 2.166289	0.031945 0.031675	0.35219 0.35115

TIE1;TMEM125;WDR65;ZMYND12;CCDC24;CCDC30;FAM183A; EBNA1BP2;KDM4A;LEPRE1;TMSB4XP1;SLC6A9;C1orf210;PTPRF ;ST3GAL3;ERI3	-0.21424	-2.1646	0.031806	0.351633
	0.196005	2.167018	0.031619	0.351056
	-0.13607	-2.16686	0.031631	0.351111
	0.15176	2.166376	0.031668	0.351144
	0.193284	2.167306	0.031596	0.351006
SUSD1	-0.3429	-2.16994	0.031393	0.350313
LINC01134	0.201448	2.161971	0.032012	0.352458
IRX3;RPGRIP1L;FTO;FTO-IT1;CRNDE	-0.27252	-2.16601	0.031697	0.351214
KDM1A	-0.24941	-2.16381	0.031868	0.351884
ENSG00000259881;FANCA	-0.30959	-2.16936	0.031438	0.350352
	0.153581	2.1679	0.03155	0.350889
	-0.18047	-2.16671	0.031642	0.351129
	0.292977	2.169572	0.031421	0.350352
	-0.24471	-2.16823	0.031525	0.350721
	0.217801	2.167059	0.031615	0.351049
	0.185922	2.163676	0.031879	0.351922
	0.215389	2.165848	0.031709	0.351235
HCP5	0.269134	2.16646	0.031662	0.351144
ZDHC1;RANBP10;CDH3;ENKD1;ZFP90;TSNAXIP1;GFOD2;TPPP 3;LRRC36;PLEKHG4	-0.33155	-2.1699	0.031396	0.350313
	0.332779	2.164642	0.031803	0.351613
	0.230969	2.15888	0.032255	0.353536
RPS18	-0.17146	-2.16429	0.031831	0.351736
	0.183653	2.163079	0.031925	0.352078
COPB2	-0.27323	-2.16476	0.031794	0.351608
COX5A;IMP3	0.157145	2.158	0.032324	0.353824
	0.259307	2.161056	0.032084	0.352839
	-0.33596	-2.16622	0.031681	0.351178
	-0.25286	-2.16674	0.03164	0.351129
DOCK1;DHX32;BCCIP	-0.21988	-2.1611	0.03208	0.352822
	-0.17619	-2.1671	0.031613	0.351044
	0.190937	2.166184	0.031683	0.351192
	0.288819	2.167747	0.031562	0.350899
FDXR	-0.20224	-2.16666	0.031646	0.351134
ZNF506;TSSK6	0.171083	2.166804	0.031635	0.351119
	0.205198	2.163995	0.031854	0.351838
HAP1	0.249707	2.166687	0.031644	0.351134
	0.160303	2.167573	0.031576	0.350986
	-0.31028	-2.16837	0.031514	0.350696
HLX;MARC1	0.302961	2.167242	0.031601	0.351006
SLC22A16	-0.24907	-2.16557	0.031731	0.351266
ZDHC13	-0.2743	-2.16005	0.032163	0.35322
	-0.41828	-2.16393	0.031859	0.35184
DNPEP	-0.33513	-2.16353	0.03189	0.35196
	0.281357	2.168706	0.031488	0.350618

	0.188493	2.163537	0.031889	0.35196
	-0.16049	-2.16627	0.031677	0.351157
	-0.27629	-2.16813	0.031533	0.350757
	0.236511	2.16126	0.032068	0.352781
	-0.12318	-2.16114	0.032077	0.352802
	0.21518	2.166073	0.031692	0.351214
	0.24612	2.166925	0.031626	0.351082
TTYH2;ICT1;HN1;SLC9A3R1;MRPS7;ATP5H;SLC16A5	-0.21171	-2.16515	0.031764	0.35141
ANXA4;ARHGAP25;AAK1;ENSG00000188971	-0.26125	-2.16733	0.031594	0.351006
C3orf70;CHRD;LIPH;MAP3K13	0.243314	2.161845	0.032022	0.35253
TUBG2;FKBP10;BECN1;LEPREL4;AOC3;PTRF;ATP6V0A1;PSME3; ACLY;COA3;KRT23;VPS25;ENSG00000267221;CNTNAP1	0.270197	2.165929	0.031703	0.351214
	-0.17664	-2.16493	0.031781	0.351494
	0.228189	2.157898	0.032333	0.353833
	-0.29716	-2.16723	0.031603	0.351006
CYS1;KLF11	-0.27393	-2.16307	0.031926	0.352078
	0.266492	2.166939	0.031625	0.351079
	0.160147	2.166484	0.03166	0.351144
RCSD1;DPT;CD247	0.210308	2.168566	0.031499	0.350638
RPS6KA1;FAM110D;WDTC1;CEP85;CD164L2;PIGV;NUDC;UBXN 11;PAFAH2;CNKSR1;C1orf172;TRNP1;PDIK1L;HMG2	-0.33948	-2.1649	0.031784	0.3515
	-0.16124	-2.16447	0.031816	0.35167
	-0.18428	-2.16356	0.031888	0.35196
NUAK2	-0.27381	-2.16691	0.031627	0.351083
CORO2B	0.236162	2.166309	0.031674	0.351148
	-0.18109	-2.16585	0.03171	0.351235
MZB1	-0.32361	-2.16735	0.031593	0.351006
	0.258184	2.16415	0.031842	0.351805
SLC25A39P1;RABIF	0.199116	2.167075	0.031614	0.351045
	0.231936	2.163159	0.031919	0.352078
PSMA5;LAMTOR5;CYB561D1	-0.25678	-2.16601	0.031697	0.351214
	0.266704	2.1672	0.031605	0.351007
	0.245688	2.166664	0.031646	0.351134
	0.206804	2.167786	0.031559	0.350899
FAM198A;ZNF662;ZBTB47;TRAK1;ENSG00000230084	-0.28575	-2.16752	0.031579	0.350986
	0.213877	2.166828	0.031633	0.351111
CPSF6	0.283473	2.168296	0.03152	0.350713
	-0.26147	-2.16562	0.031727	0.35126
KCNA3;CSF1;ENSG00000259834;KCNA2;CD53;ENSG000002616 54	0.297689	2.167288	0.031598	0.351006
	-0.27138	-2.16551	0.031736	0.35127
	0.249436	2.16672	0.031642	0.351129
H2AFY;PITX1	-0.24964	-2.16259	0.031964	0.352237
	-0.26302	-2.15786	0.032335	0.353833
PITPNC1;PRKAR1A	-0.42014	-2.16842	0.03151	0.350689

LCN12	0.238817	2.163132	0.031921	0.352078
SH3TC1	-0.27953	-2.16864	0.031493	0.350625
	-0.2121	-2.16551	0.031735	0.35127
	-0.41957	-2.16635	0.031671	0.351144
	-0.21024	-2.1673	0.031597	0.351006
CD247;RCSD1;TBX19	0.218017	2.163854	0.031865	0.35188
	-0.25704	-2.1642	0.031838	0.351784
	0.127325	2.164112	0.031845	0.351812
	-0.16937	-2.16399	0.031854	0.351838
	-0.17146	-2.15754	0.03236	0.353871
	-0.18737	-2.16595	0.031701	0.351214
	0.217426	2.166472	0.031661	0.351144
	-0.24484	-2.16703	0.031617	0.351056
	0.229675	2.165407	0.031744	0.351292
THOC7;ADAMTS9-AS2	0.175047	2.15951	0.032205	0.353362
	-0.24089	-2.16332	0.031907	0.352015
	0.162512	2.162355	0.031982	0.352336
	0.297692	2.165644	0.031725	0.35126
	0.261291	2.155395	0.032531	0.354556
	0.213254	2.166495	0.031659	0.351144
TTYH2;SSTR2;LINC00511	0.252021	2.165454	0.03174	0.35127
BCL11A	-0.29261	-2.16254	0.031968	0.35225
	0.291602	2.165619	0.031727	0.35126
	0.274132	2.168214	0.031526	0.350721
	0.174034	2.166071	0.031692	0.351214
	-0.24588	-2.16752	0.03158	0.350986
TBC1D10C;GSTP1;UNC93B1	0.239666	2.163497	0.031893	0.35196
UBQLN4P1	-0.32397	-2.16413	0.031843	0.351805
	-0.39944	-2.16565	0.031725	0.35126
GNG12;MIER1	-0.16611	-2.16551	0.031736	0.35127
	0.24441	2.16344	0.031897	0.351982
ADAMTS2;COL23A1;RNF130;MAML1;ZNF354C	0.185417	2.160377	0.032137	0.353126
CD40;EPPIN	0.158156	2.165941	0.031702	0.351214
TTC39A;CDKN2C;ENSG00000261664	0.391654	2.162175	0.031996	0.352387
	0.117295	2.164348	0.031826	0.351724
	0.265721	2.161591	0.032042	0.352648
	-0.26728	-2.15937	0.032217	0.3534
MMP25;CRAMP1L	0.201162	2.163209	0.031915	0.352054
KLHDC7A;PADI2;NBPF1	-0.1984	-2.16145	0.032053	0.352697
	0.223321	2.157502	0.032364	0.353871
	0.216831	2.162511	0.03197	0.352265
	-0.29189	-2.16497	0.031778	0.351494
	0.192421	2.162724	0.031953	0.352214
	0.139038	2.158398	0.032293	0.353732
	0.192004	2.164089	0.031846	0.351813
	0.174122	2.163342	0.031905	0.352004
	0.204132	2.16661	0.03165	0.351135

WDR45B;PCYT2;C17orf62 ENSG00000260908;TMEM219;TUFM RSPH10B;FSCN1;FOXK1	-0.18211	-2.16401	0.031853	0.351838
	-0.35424	-2.16594	0.031703	0.351214
	-0.20528	-2.16603	0.031696	0.351214
	-0.28967	-2.15676	0.032423	0.354039
SDK2;SSTR2 EPHX1	-0.26718	-2.16339	0.031901	0.352004
	0.275039	2.165257	0.031755	0.35138
	-0.41266	-2.16062	0.032118	0.353001
	0.124834	2.164042	0.03185	0.351818
WIZ;BRD4	0.200125	2.166476	0.031661	0.351144
	0.279547	2.166388	0.031667	0.351144
	0.247087	2.160037	0.032164	0.35322
	-0.17863	-2.16719	0.031605	0.351007
SORCS2;AFAP1;HTRA3;SH3TC1	-0.16817	-2.16256	0.031966	0.35225
	0.568574	2.164649	0.031803	0.351613
	-0.22819	-2.1582	0.032309	0.353777
	-0.25445	-2.15974	0.032187	0.353295
ENSG00000272667;HS6ST1;LIMS2	0.296478	2.164041	0.03185	0.351818
	-0.15877	-2.16674	0.03164	0.351129
	0.214287	2.161876	0.032019	0.352514
	-0.36838	-2.16436	0.031825	0.351723
SOD1;C21orf119;MIS18A	0.232325	2.161162	0.032075	0.352793
	-0.23571	-2.16646	0.031662	0.351144
	0.114806	2.157355	0.032376	0.353917
	-0.21484	-2.16224	0.031991	0.352386
PLCD3;TMEM106A	-0.23335	-2.16621	0.031681	0.351178
	-0.12779	-2.15751	0.032363	0.353871
	0.259698	2.16672	0.031642	0.351129
	-0.36094	-2.15846	0.032288	0.353706
DDX23;SNORA34 EPB41L4B;PTPN3;C9orf152;TXN	0.280479	2.160203	0.032151	0.353168
	-0.32166	-2.16308	0.031925	0.352078
	0.180782	2.162964	0.031934	0.35212
	0.235369	2.166356	0.03167	0.351144
MEOX1;GJC1;HIGD1B;GPATCH8;ACBD4;EFTUD2;MPP2;FMNL1; HEXIM1;MAP3K14;FZD2;ADAM11;ENSG00000267505;ENSG00 000267121	-0.15015	-2.16518	0.031762	0.351405
	0.359794	2.163622	0.031883	0.351953
	-0.20833	-2.16394	0.031858	0.35184
	0.204502	2.159123	0.032236	0.353493
	0.266913	2.164057	0.031849	0.351818
	0.292171	2.162673	0.031957	0.352215
	-0.14027	-2.16013	0.032157	0.353216
	-0.2335	-2.1631	0.031923	0.352078
	0.293445	2.15973	0.032188	0.353295
	0.202413	2.160815	0.032103	0.352913
	-0.26318	-2.15995	0.032171	0.35324
	-0.20853	-2.16474	0.031796	0.351613
	-0.2326	-2.16307	0.031926	0.352078

MAGI1-IT1	0.236803	2.161564	0.032044	0.352648
	-0.24066	-2.16495	0.031779	0.351494
	0.351195	2.166578	0.031653	0.351144
	-0.18697	-2.16128	0.032066	0.352781
	0.149232	2.161318	0.032063	0.352768
	0.210306	2.163569	0.031887	0.35196
	-0.11528	-2.16216	0.031997	0.352387
	0.218174	2.162037	0.032007	0.352438
ENSG00000266956;ENSG00000267566	-0.19663	-2.1647	0.031799	0.351613
SDC2;MATN2	0.244106	2.160046	0.032163	0.35322
LRRC56;MUC5AC;TSPAN4;TALDO1;IFITM1;IFITM3	-0.52144	-2.1647	0.031798	0.351613
	-0.47423	-2.15853	0.032282	0.353699
PIGR;RASSF5;FAIM3	-0.29664	-2.16299	0.031932	0.352106
	0.123572	2.164054	0.031849	0.351818
	0.293306	2.162464	0.031973	0.352297
HSD17B8	-0.16042	-2.15529	0.032539	0.354559
ENSG00000260051	0.189823	2.165661	0.031724	0.35126
TTN;CCDC141;SESTD1;TTC30B	0.304894	2.162793	0.031948	0.35219
ATG5;BVES	0.179564	2.161002	0.032088	0.352877
ENSG00000261804;ENSG00000262714	-0.69332	-2.16465	0.031802	0.351613
PRIMA1;C14orf142;ATXN3;NDUFB1	0.186476	2.159977	0.032169	0.353236
	-0.1773	-2.15489	0.032571	0.354638
MRC2;CYB561;ACE;METTL2A	-0.29832	-2.1602	0.032151	0.353168
ZBP1;GCNT7	-0.32649	-2.16158	0.032043	0.352648
RASAL3;NWD1;C19orf44;HSH2D	-0.34267	-2.16277	0.03195	0.35219
PRR15;CPVL	0.261948	2.164924	0.031781	0.351494
	0.258313	2.164964	0.031778	0.351494
	-0.22203	-2.16389	0.031862	0.351864
	0.188566	2.159532	0.032204	0.353362
EPT1;KIF3C	0.188795	2.164172	0.03184	0.351796
STYXL1	0.179229	2.163829	0.031867	0.351884
	0.340526	2.162586	0.031964	0.352237
	-0.15339	-2.16662	0.03165	0.351135
TENC1;SMAGP;KRT8;ACVRL1;POU6F1;KRT18;GRASP;KRT7;KRT6				
A;KRT80;C12orf44;KRT6B;GALNT6	-0.22193	-2.15363	0.032671	0.354912
	0.181679	2.157232	0.032385	0.353951
	0.255309	2.165623	0.031727	0.35126
	-0.14088	-2.1637	0.031876	0.351918
FGFR3	0.331069	2.162344	0.031983	0.352336
	0.22489	2.16531	0.031751	0.351344
	-0.19937	-2.16307	0.031926	0.352078
ADAMTSL5	-0.18918	-2.15832	0.032299	0.353771
	-0.31541	-2.1642	0.031837	0.351784
	-0.19972	-2.16394	0.031858	0.35184
RND3	0.307299	2.158535	0.032282	0.353699
	-0.18512	-2.15767	0.032351	0.353871
	0.159507	2.162666	0.031958	0.352215



	-0.1406	-2.15671	0.032427	0.354042
	0.220867	2.163144	0.03192	0.352078
	0.139232	2.163446	0.031897	0.351982
KIF24;UNC13B;IL11RA;ANXA2P2;KIAA1161;PIGO;NFX1;CCL19;VCP;CHMP5;DNAJB5;STOML2;DCAF12;FAM219A;BAG1;ANKRD18B;CCL21;DNAI1;GALT	-0.36331	-2.16539	0.031745	0.351296
	-0.28724	-2.16176	0.032029	0.352571
	0.381552	2.165933	0.031703	0.351214
	-0.35553	-2.16279	0.031948	0.35219
	0.221985	2.163796	0.031869	0.351884
	0.225166	2.160584	0.032121	0.353002
	-0.25733	-2.16301	0.031931	0.352106
MTND2P28;ENSG00000271806	-0.13866	-2.16171	0.032033	0.352589
	0.222266	2.160903	0.032096	0.352913
ENSG00000261663	-0.21853	-2.1619	0.032018	0.352504
	-0.28032	-2.16303	0.031929	0.352095
	-0.1705	-2.1608	0.032104	0.352913
	0.301957	2.163668	0.031879	0.351922
	-0.14699	-2.16148	0.03205	0.352691
	0.186103	2.15611	0.032474	0.354293
	0.148822	2.162277	0.031988	0.352367
KIF26A;INF2;EXOC3L4;C14orf2;EIF5	-0.21173	-2.15821	0.032308	0.353777
	-0.19248	-2.16222	0.031992	0.352387
TSPAN18	-0.21206	-2.16	0.032167	0.353232
CFB;PSMB9;VWA7;SLC44A4;TAPSAR1;TAP1;HLA-DQA2;HLA-DMB;HLA-DRA;HCP5;C6orf10;HLA-DQB2;PSMB8;TNXB;HSPA1L	-0.2906	-2.1617	0.032033	0.352589
	-0.28914	-2.16299	0.031932	0.352106
RASSF1	0.312082	2.162624	0.031961	0.352237
FZD10-AS1	-0.36675	-2.16255	0.031967	0.35225
PLEKHG4	-0.16515	-2.1656	0.031729	0.351266
	0.142347	2.160588	0.03212	0.353002
	-0.25589	-2.15952	0.032205	0.353362
	-0.23852	-2.16037	0.032138	0.353126
KCTD7	-0.2859	-2.16307	0.031926	0.352078
ELF3;PTPN7;CYB5R1	-0.35661	-2.15754	0.032361	0.353871
	-0.24815	-2.1614	0.032057	0.352722
	0.210738	2.165221	0.031758	0.351393
PCSK6	-0.30205	-2.16079	0.032105	0.352913
CEP104;TTC34	-0.23404	-2.1569	0.032412	0.354012
	0.214399	2.16218	0.031996	0.352387
	0.145317	2.162664	0.031958	0.352215
CAPN5;LRRC32;ARRB1;GDPD5;UVRAG;ENSG00000236304;SERPINH1	-0.24866	-2.15922	0.032228	0.353443
	-0.17131	-2.16096	0.032091	0.352883
	-0.20726	-2.15741	0.032371	0.353893
POMP	0.183166	2.154125	0.032632	0.354824

EFHD1;ATG16L1	0.218578	2.160967	0.032091	0.352883
	-0.47622	-2.16368	0.031879	0.351922
	-0.16106	-2.16119	0.032073	0.352791
	-0.19437	-2.15849	0.032286	0.353701
TCP11L2;NUAK1	0.248082	2.159484	0.032207	0.353364
	0.256993	2.162149	0.031998	0.352387
	-0.34681	-2.15944	0.03221	0.353379
HIBCH	-0.14038	-2.16287	0.031942	0.352182
	-0.14381	-2.15153	0.032839	0.355387
	-0.20338	-2.16152	0.032047	0.352662
	-0.22802	-2.16445	0.031819	0.351678
MIR4664;ARHGAP39 FUT6	0.163263	2.164645	0.031803	0.351613
	-0.19905	-2.1644	0.031822	0.351698
	-0.21052	-2.1621	0.032002	0.352419
	-0.15912	-2.15674	0.032424	0.354039
	0.23393	2.160084	0.03216	0.35322
	-0.17516	-2.16222	0.031993	0.352387
	0.298665	2.164206	0.031837	0.351784
	-0.31155	-2.16554	0.031734	0.35127
MEG3;ENSG00000271417;ENSG00000225746;MEG8;SLC25A2 9;DIO3OS;DEGS2;RTL1;ENSG00000232018;BEGAIN;DIO3 ARID3A;MOB3A;HMHA1	-0.32929	-2.16106	0.032084	0.352839
	-0.23079	-2.15758	0.032358	0.353871
	0.287557	2.161993	0.03201	0.352453
	-0.23564	-2.15535	0.032535	0.354559
LOXL3	0.257894	2.160692	0.032112	0.352946
	0.244091	2.153284	0.032699	0.354981
	-0.28304	-2.16358	0.031886	0.35196
STK32B;EVC;CRMP1;CYTL1;EVC2	-0.22463	-2.15757	0.032359	0.353871
	-0.29698	-2.16396	0.031856	0.35184
	-0.15784	-2.16459	0.031808	0.351633
	0.292668	2.160168	0.032154	0.35319
WDR61	0.205945	2.165156	0.031763	0.35141
	0.324417	2.162201	0.031994	0.352387
	-0.27416	-2.16334	0.031905	0.352004
NEDD1;C12orf55;ANKS1B	-0.30316	-2.15308	0.032715	0.355051
	0.207141	2.156511	0.032442	0.35415
	0.212613	2.156757	0.032423	0.354039
ABI3;PHOSPHO1;FAM117A;COL1A1	-0.16792	-2.16243	0.031976	0.352316
	0.294411	2.162069	0.032004	0.35242
	0.177946	2.162408	0.031978	0.352318
CENPM;BIK;MCAT;NFAM1;ACO2;TTLL12;SCUBE1;TTLL1	-0.36145	-2.16123	0.03207	0.352787
	0.177798	2.161932	0.032015	0.352483
PLXND1;GATA2;ENSG00000244300	0.28204	2.157932	0.03233	0.353825
	-0.24469	-2.16545	0.031741	0.35127
FYN	0.264975	2.162691	0.031956	0.352215
	-0.24262	-2.15601	0.032482	0.354318

IGFBP4;ERBB2;MIEN1;KRT23;KRT20	-0.2779	-2.15829	0.032302	0.353771
PCDHGA10;IK;CYSTM1;PCDHGC5;PCDHGB8P;ZMAT2;TAF7;PCD HB1;PCDH12;PCDHGA9;PCDHGA12;PCDHGB2;PCDHGA7;RNF14 ;PCDHGA8;PCDHGC4;PCDHGA11;PCDHGB3;PCDHGA4;PCDHAC 1;PCDHB18;PCDHGB7;PCDHAC2;ENSG00000246422;ARAP3	-0.21798 -0.24306 -0.25551	-2.15582 -2.16286 -2.16294	0.032497 0.031942 0.031936	0.354418 0.352182 0.352128
NFKBIE;POLR1C;GLTSCR1L	0.202917 0.653069	2.160585 2.158187	0.032121 0.03231	0.353002 0.353777
ENSG00000234478;EPHX1;ENAH;ITPKB;PYCR2;C1orf95;LBR AKIP1	-0.31294 -0.2678	-2.15018 -2.16077	0.032947 0.032106	0.355762 0.352913
JTB	0.258065	2.156981	0.032405	0.354002
DNMBP;HPSE2;ERLIN1;GOT1;ENTPD7	0.288036	2.162767	0.03195	0.35219
BIN2	0.209943 -0.38163 0.22459	2.164094 -2.15852 2.161354	0.031846 0.032284 0.03206	0.351813 0.353699 0.352746
	0.348594 -0.20945	2.164569 -2.16357	0.031809 0.031887	0.351633 0.35196
	0.315742	2.156816	0.032418	0.354039
BACH2;LYRM2;SRSF12;RRAGD;CNR1	-0.33418 -0.15289 -0.4566	-2.16057 -2.16007 -2.16261	0.032122 0.032161 0.031962	0.353003 0.35322 0.352237
EPAS1	-0.44201	-2.16228	0.031988	0.352367
RPL23AP32;SPTBN1;ENSG00000228108;ENSG00000234943;PS ME4;CCDC88A;ERLEC1	0.33176 -0.15763	2.159621 -2.15838	0.032197 0.032294	0.353332 0.353735
	0.304497	2.163254	0.031912	0.352024
C1orf177;BSND	0.237197 -0.15917 -0.21194	2.158336 -2.15805 -2.15826	0.032298 0.032321 0.032304	0.353766 0.353823 0.353777
	-0.14301 -0.22612	-2.16167 -2.16178	0.032036 0.032027	0.352604 0.352564
WDR17	-0.27255 0.277658	-2.15987 2.158397	0.032177 0.032293	0.353269 0.353732
	0.203214 0.24233	2.153538 2.160861	0.032679 0.032099	0.354914 0.352913
PITPNM2;WDR66;HIP1R;ENSG00000251497;LRRC43;RSRC2;DN AH10;HCAR1	-0.25363 0.254698	-2.16146 2.160384	0.032052 0.032137	0.352697 0.353126
	-0.12577	-2.16007	0.032161	0.35322
CYC1;PUF60;SLC52A2	-0.2211 0.263747	-2.16341 2.15732	0.031899 0.032378	0.351999 0.353919
ATP9B;TXNL4A	0.23251	2.162397	0.031979	0.352318
LAMA4;ENSG00000237234;ENSG00000271208;ENSG0000022 6440	-0.3531	-2.15936	0.032217	0.3534

	-0.20029	-2.15998	0.032168	0.353236
	0.228819	2.157331	0.032377	0.353919
	-0.30089	-2.16079	0.032104	0.352913
	-0.18875	-2.14785	0.033135	0.356376
	-0.1529	-2.15927	0.032225	0.353429
	0.299957	2.15899	0.032246	0.353522
	-0.2744	-2.15848	0.032286	0.353701
	0.242841	2.154686	0.032587	0.354672
	0.165757	2.163373	0.031902	0.352004
FLI1;ARHGAP32;SENCR;ETS1	0.392281	2.161814	0.032024	0.352549
	-0.23365	-2.15926	0.032225	0.353429
	0.213598	2.153762	0.032661	0.354912
	0.151767	2.156831	0.032417	0.354039
	-0.16591	-2.16095	0.032092	0.352886
	-0.20011	-2.15948	0.032207	0.353364
	-0.28819	-2.16119	0.032074	0.352791
	0.328518	2.157615	0.032355	0.353871
	-0.21485	-2.16353	0.03189	0.35196
	-0.1624	-2.1579	0.032333	0.353833
	-0.18581	-2.1604	0.032135	0.353121
	-0.2661	-2.16036	0.032139	0.353127
	-0.45435	-2.15508	0.032556	0.354601
TTC3	-0.3185	-2.15716	0.032391	0.35397
	0.143919	2.155254	0.032542	0.354559
BAIAP2	0.136229	2.160856	0.032099	0.352913
	-0.23898	-2.15863	0.032275	0.353666
EGFL7;GPSM1;UAP1L1;PTGDS	-0.3059	-2.16378	0.03187	0.351888
	0.108688	2.15696	0.032407	0.354002
	0.246082	2.157876	0.032334	0.353833
	0.16689	2.157886	0.032334	0.353833
	-0.27121	-2.15995	0.03217	0.35324
	0.274908	2.162077	0.032004	0.35242
	-0.31925	-2.16336	0.031904	0.352004
ERLIN1;ENTPD7;DNMBP	0.248465	2.15815	0.032313	0.353788
KCNA3;KCND3;KCNA2;ENSG00000261654;RAP1A;ENSG00000231246	0.208723	2.159	0.032246	0.353522
	0.197492	2.157553	0.03236	0.353871
	0.23366	2.161251	0.032068	0.352781
	-0.25181	-2.15935	0.032218	0.3534
	0.204346	2.162665	0.031958	0.352215
	-0.23104	-2.15748	0.032366	0.353873
CRNDE;IRX5;IRX3	0.312114	2.15827	0.032303	0.353777
	0.241106	2.159917	0.032173	0.35326
	-0.40388	-2.16282	0.031945	0.35219
ARF4;FAM3D;ACOX2	-0.17783	-2.1596	0.032198	0.353332
	0.208311	2.158019	0.032323	0.353824
DOC2B;SCARF1;YWHAE	0.218959	2.163796	0.031869	0.351884

	-0.18814	-2.16414	0.031843	0.351805
	0.206854	2.157971	0.032327	0.353824
	-0.19959	-2.1561	0.032475	0.354293
LEO1	-0.18162	-2.15803	0.032322	0.353824
TRPM2	-0.37068	-2.16327	0.03191	0.352016
SLC7A5	0.202318	2.158226	0.032307	0.353777
FLI1;ETS1;ARHGAP32	-0.35354	-2.15605	0.032479	0.354308
LPCAT1	0.277532	2.163303	0.031908	0.352016
	-0.23524	-2.15589	0.032491	0.354373
	0.186679	2.153143	0.03271	0.355008
ARFGAP3	-0.26206	-2.1578	0.032341	0.353842
GIMAP5;GIMAP6;GIMAP1;GIMAP2;NOS3;ATG9B	-0.35396	-2.15937	0.032216	0.3534
	0.211805	2.153911	0.032649	0.354912
	-0.18791	-2.1591	0.032237	0.353493
	0.227093	2.158507	0.032284	0.3537
	-0.27922	-2.16387	0.031863	0.351872
	0.306244	2.156473	0.032445	0.354164
	-0.23068	-2.15528	0.03254	0.354559
TNS1;RQCD1;TTLL4	0.240362	2.159628	0.032196	0.353332
	-0.2742	-2.1624	0.031978	0.352318
	0.215061	2.158619	0.032276	0.353666
	0.249994	2.16075	0.032108	0.352913
HLA-C;HLA-B;VAR2;HLA-A	0.24865	2.161418	0.032055	0.352718
	-0.22399	-2.16216	0.031997	0.352387
ELFN1	0.184223	2.159721	0.032189	0.353295
HDAC4;SNED1	-0.23555	-2.15356	0.032677	0.354912
	0.151627	2.159728	0.032188	0.353295
	0.211536	2.162717	0.031954	0.352214
	0.210977	2.153611	0.032673	0.354912
	0.210856	2.148255	0.033103	0.356325
	-0.19845	-2.1589	0.032253	0.353536
	0.174383	2.162797	0.031947	0.35219
BATF2;NRXN2	-0.21188	-2.16351	0.031891	0.35196
	-0.14623	-2.15505	0.032558	0.354617
	0.238683	2.153272	0.0327	0.354981
	0.201383	2.158887	0.032254	0.353536
AREL1	-0.12407	-2.15604	0.032479	0.354308
	0.290881	2.163731	0.031874	0.351912
CLN8;ARHGEF10	-0.27411	-2.15902	0.032244	0.353517
	-0.21917	-2.15751	0.032363	0.353871
	0.185487	2.161132	0.032078	0.352802
ADARB1;ICOSLG	-0.21497	-2.15759	0.032357	0.353871
ENSG00000259881;SPIRE2;RNF166;ENSG00000261226;CBFA2				
T3	0.637536	2.160222	0.032149	0.353168
	0.266189	2.157068	0.032398	0.353977
	0.299225	2.161265	0.032067	0.352781
TMF1;LMOD3	-0.32274	-2.15899	0.032247	0.353522

ENSG00000245384	0.266868	2.160437	0.032132	0.353102
	-0.13171	-2.15085	0.032894	0.355593
	-0.14614	-2.16029	0.032144	0.353141
SEPHS2;ENSG00000254634;CD2BP2;PPP4C;FUS;MVP	-0.20397	-2.16122	0.032071	0.352787
	0.196444	2.156128	0.032473	0.354293
	0.272632	2.159615	0.032197	0.353332
FXYD3;CLIP3;ZNF792;SCN1B;LGI4;COX7A1	-0.21841	-2.15393	0.032647	0.354909
	-0.28568	-2.16199	0.032011	0.352453
	0.20681	2.158062	0.03232	0.353822
LPCAT1	-0.48522	-2.15677	0.032422	0.354039
ENSG00000272005	-0.34481	-2.15515	0.03255	0.354579
	-0.26635	-2.15923	0.032227	0.353443
	0.159124	2.158557	0.03228	0.353699
TPPP;TRIP13;NKD2;ENSG00000188002;LPCAT1	0.261933	2.160858	0.032099	0.352913
	0.209584	2.158657	0.032273	0.353652
	-0.14892	-2.16076	0.032107	0.352913
PRKCA;ENSG00000264630;RGS9	0.259618	2.153252	0.032702	0.354981
	0.245907	2.159336	0.032219	0.3534
	0.263089	2.159407	0.032213	0.3534
MBOAT2;ENSG00000261104;GRHL1;KIDINS220 ITGAE	-0.12034	-2.14829	0.0331	0.356323
	0.239714	2.159566	0.032201	0.353346
	0.274284	2.159452	0.03221	0.353379
IRX2	0.342822	2.158696	0.03227	0.353636
	-0.24656	-2.15753	0.032362	0.353871
	-0.25562	-2.15972	0.032189	0.353295
ENSG00000234478;ENAH;EPHX1;ITPKB;PYCR2;C1orf95	0.18742	2.159507	0.032206	0.353362
	0.212227	2.152306	0.032777	0.355282
	0.107025	2.148234	0.033104	0.356325
C1orf186	-0.31025	-2.15961	0.032197	0.353332
	0.289164	2.152674	0.032748	0.355175
	0.14602	2.154275	0.03262	0.354786
SH3TC1	0.095439	2.15809	0.032317	0.353807
	0.219776	2.158782	0.032263	0.353577
	-0.16939	-2.15713	0.032393	0.353973
TXNDC9	0.206552	2.15669	0.032428	0.354042
	-0.21005	-2.15752	0.032363	0.353871
	-0.30721	-2.15544	0.032527	0.354545
SARDH;DBH-AS1	-0.3829	-2.15019	0.032947	0.355762
	0.299554	2.160807	0.032103	0.352913
	0.241398	2.15929	0.032223	0.353421
	-0.18342	-2.1498	0.032978	0.355879
	-0.2235	-2.15325	0.032702	0.354981
	0.24518	2.156941	0.032408	0.354002
	0.205749	2.157559	0.032359	0.353871
	0.292876	2.156735	0.032425	0.354039
	-0.25697	-2.15557	0.032517	0.354464
	0.353024	2.162364	0.031981	0.352336

MUC4	0.295299	2.161367	0.032059	0.352744
	-0.19231	-2.15905	0.032241	0.353517
	0.25515	2.158876	0.032255	0.353536
	0.272094	2.157787	0.032341	0.353842
	0.311181	2.16117	0.032075	0.352793
TGFBR3;EVI5	0.332396	2.16127	0.032067	0.352781
LRRC56;IFITM1	-0.22131	-2.15639	0.032452	0.354189
RABL2B;DENND6B;ODF3B	-0.31755	-2.15867	0.032272	0.353649
	0.110638	2.152717	0.032744	0.355175
	0.118293	2.151023	0.03288	0.355557
	-0.18406	-2.15317	0.032708	0.355008
ARHGAP26;PCDH12;PCDH1	-0.24604	-2.15974	0.032187	0.353295
	0.137497	2.152915	0.032728	0.355157
MSRB3;ENSG00000250280;RASSF3;KRT18P60;ENSG00000248995	-0.27565	-2.14962	0.032992	0.355926
PIKFYVE;ADAM23	0.222907	2.159907	0.032174	0.35326
	-0.36677	-2.16096	0.032091	0.352883
	0.320248	2.161196	0.032073	0.352791
	0.167101	2.156707	0.032427	0.354042
ITGAL;ZNF629	-0.34176	-2.15938	0.032216	0.3534
	0.250562	2.158791	0.032262	0.353577
TNXB;TAP1;C6orf10;PSMB8;SLC39A7;PSMB9;TAPBP;HLA-DRA;GPSM3;TAPSAR1;CFB;HLA-DMB;HLA-DMA;NOTCH4;BAK1	-0.31938	-2.15363	0.032672	0.354912
	0.207274	2.157088	0.032397	0.353977
	-0.2569	-2.15499	0.032563	0.354617
	-0.25902	-2.1591	0.032237	0.353493
	0.128274	2.159067	0.03224	0.353515
ENSG00000261664;RAB3B;AGBL4	0.381022	2.157075	0.032398	0.353977
	-0.18541	-2.1574	0.032372	0.353893
	-0.21906	-2.15698	0.032405	0.354002
	0.272441	2.161776	0.032027	0.352564
OSR2;MATN2	0.33184	2.155516	0.032521	0.354496
NOTCH4	-0.20326	-2.16076	0.032107	0.352913
	-0.169	-2.15771	0.032347	0.353871
	0.189353	2.158774	0.032263	0.353577
	-0.17783	-2.16024	0.032148	0.353159
SFMBT2;ATP5C1;ITIH5	-0.26146	-2.16008	0.032161	0.35322
	0.238742	2.152599	0.032754	0.355182
	0.233395	2.154981	0.032564	0.354617
FOXL1	0.291881	2.159571	0.032201	0.353346
TINCR;NRTN;FUT6	0.677681	2.153568	0.032676	0.354912
FLI1;ARHGAP32	-0.21405	-2.16047	0.03213	0.353086
	-0.3358	-2.16168	0.032035	0.3526
RNFT2;C12orf49	-0.33412	-2.15782	0.032338	0.353842
DOCK1	0.22521	2.160296	0.032143	0.353141
PSME4;SPTBN1;CLHC1	-0.31444	-2.15711	0.032395	0.353973

ST14	-0.33112	-2.15912	0.032236	0.353493
	0.259369	2.157331	0.032377	0.353919
	0.174964	2.154483	0.032603	0.35474
SFRP4;EPDR1	-0.20034	-2.15686	0.032415	0.354027
THBS2	0.3161	2.150851	0.032894	0.355593
CNOT1;GOT2;C16orf80;NLRC5;COQ9	-0.23001	-2.15819	0.03231	0.353777
JAGN1;THUMPD3;ENSG00000269982	-0.28879	-2.16033	0.032141	0.353133
MFN2	0.140772	2.160298	0.032143	0.353141
COL5A1;OLFM1;SARDH;ADAMTSL2;SLC2A6	-0.19987	-2.15904	0.032242	0.353517
	0.18387	2.157639	0.032353	0.353871
APMAP	-0.25159	-2.1561	0.032475	0.354293
	0.204774	2.15406	0.032637	0.354829
ADAM8;FUOM	0.293886	2.157953	0.032328	0.353825
	-0.21177	-2.15201	0.0328	0.355282
	0.195224	2.154417	0.032609	0.35477
	-0.34776	-2.15459	0.032595	0.354721
	0.273624	2.155394	0.032531	0.354556
	0.095845	2.155934	0.032488	0.35436
	0.213154	2.158522	0.032283	0.353699
PSMG3;GPR146;PRKAR1B;CHST12	-0.37354	-2.14947	0.033005	0.355938
	0.196011	2.153461	0.032685	0.354947
PSMG3;GPER1	0.535903	2.15695	0.032408	0.354002
MRC2;CD79B;ERN1;METTL2A;MILR1;LIMD2;CYB561;ACE;C17orf72;ENSG00000264954;MARCH10;ENSG00000265702;MAP3K3	-0.29951	-2.15315	0.03271	0.355008
	-0.22955	-2.15356	0.032677	0.354912
POMP;FLT1	0.263617	2.15564	0.032511	0.354456
AHNAK2;TMEM121	0.191529	2.157569	0.032359	0.353871
	-0.32822	-2.15884	0.032258	0.353548
	-0.23002	-2.15589	0.032492	0.354373
RIPK1	0.246666	2.159853	0.032178	0.353271
	-0.13959	-2.15845	0.032289	0.353707
	0.248899	2.157653	0.032352	0.353871
	0.137071	2.158467	0.032288	0.353706
	0.220123	2.158095	0.032317	0.353807
	0.244844	2.154346	0.032614	0.354786
HLA-F;HLA-E	-0.263	-2.15972	0.032189	0.353295
	0.15104	2.157066	0.032398	0.353977
SNTG2	0.35487	2.157	0.032404	0.354002
	-0.25165	-2.15335	0.032694	0.354978
TNFRSF1B	0.232511	2.15761	0.032355	0.353871
	0.187631	2.159803	0.032182	0.353295
KIAA0513;ENSG00000262601	0.244824	2.15728	0.032381	0.353936
GSKIP;C14orf132;SYNE3;LINC00341	0.177071	2.155233	0.032544	0.354569
TMPRSS3;RSPH1;ABCG1;FAM3B;ZNF295-AS1;UMODL1;ENSG00000225431;ENSG00000235772;SLC37A1;C21orf128;LINC00479	-0.27506	-2.15369	0.032666	0.354912



PARVB;BIK;MCAT;TTLL1;SCUBE1;TTLL12;EFCAB6	-0.311	-2.14975	0.032982	0.355891
	0.20118	2.154923	0.032568	0.354624
ELN;WBSCR22;CLIP2;ABHD11;ENSG00000232415;LINC00035;CLDN3;CLDN4;ENSG00000233369;WBSCR27	0.243279	2.155308	0.032538	0.354559
TNRC6C;TIMP2;C1QTNF1;ENSG00000178404;SYNGR2;ENSG0000267491	-0.35365	-2.15935	0.032218	0.3534
MSRB1;CACNA1H	0.244781	2.153602	0.032674	0.354912
	0.251837	2.157393	0.032372	0.353893
	0.380601	2.147139	0.033193	0.356594
	-0.20596	-2.15624	0.032464	0.354253
	0.258518	2.154509	0.032601	0.35474
	0.264752	2.155635	0.032512	0.354456
	0.338988	2.155582	0.032516	0.354464
HCP5;TAP2;TAP1;HLA-DMA;PSMB9;TAPSAR1;HLA-DMB;HLA-B;HLA-DOA;HSPA1A;MICB;HLA-DRA	0.164819	2.159662	0.032193	0.353332
	-0.14086	-2.15829	0.032301	0.353771
	-0.1933	-2.1564	0.032451	0.354189
	-0.2023	-2.15284	0.032734	0.355175
	-0.1993	-2.15385	0.032654	0.354912
TTC22;ACOT11;TMEM59;MRPL37	-0.28567	-2.16003	0.032165	0.35322
	0.184875	2.158967	0.032248	0.353529
	0.65918	2.155699	0.032507	0.354446
	-0.23781	-2.15317	0.032708	0.355008
	-0.29746	-2.15572	0.032505	0.354446
	0.250648	2.156272	0.032461	0.354248
CEP104;MEGF6;DFFB	-0.25415	-2.15749	0.032365	0.353873
ABLIM2;SH3TC1;AFAP1;AFAP1-AS1	-0.28231	-2.15286	0.032733	0.355175
	0.267208	2.154289	0.032619	0.354786
	0.119594	2.157039	0.032401	0.353982
	0.173674	2.155221	0.032545	0.35457
	0.322238	2.155309	0.032538	0.354559
CDK14	-0.32223	-2.15786	0.032336	0.353833
	0.228597	2.157996	0.032325	0.353824
EBF1;ENSG00000253811;ENSG00000253456;FABP6;ENSG00000247699	-0.33347	-2.15223	0.032783	0.355282
	0.215414	2.155597	0.032515	0.354464
ENSG00000272016;CCT5;MARCH6;ROPN1L;FAM173B	0.267289	2.157965	0.032327	0.353824
	0.199919	2.150205	0.032946	0.355762
	0.337967	2.156339	0.032456	0.354199
ELF5	-0.28766	-2.14901	0.033041	0.356087
	0.31152	2.155898	0.032491	0.354373
	-0.27632	-2.1552	0.032546	0.354576
	0.191538	2.156733	0.032425	0.354039
CEP85;FAM110D;PIGV;THEMIS2;FGR;CNKSR1	-0.3328	-2.15376	0.032661	0.354912
EFHD1	-0.19984	-2.15626	0.032462	0.35425
	-0.15154	-2.15476	0.032582	0.354654
	-0.14676	-2.15814	0.032313	0.353788

TNFRSF10D;ENSG00000253837;SLC25A37	0.202436	2.154081	0.032635	0.354829
	0.261677	2.157975	0.032326	0.353824
NME4;CACNA1H;SOX8;RAB11FIP3;RGS11;ENSG00000260807;T				
PSD1;MSLN	-0.43059	-2.15885	0.032258	0.353548
	-0.17113	-2.15496	0.032565	0.354617
	0.252245	2.147383	0.033173	0.356526
	0.232727	2.159726	0.032188	0.353295
	0.189848	2.155601	0.032515	0.354464
DEGS2;ENSG00000225746;MEG3;DIO3OS	-0.23568	-2.155	0.032562	0.354617
	0.315132	2.159875	0.032177	0.353269
	0.226172	2.154971	0.032565	0.354617
	-0.26705	-2.15365	0.03267	0.354912
	-0.23671	-2.16072	0.03211	0.352931
	0.215056	2.154794	0.032579	0.354653
TNFRSF1B	-0.29611	-2.15818	0.032311	0.353777
	0.28344	2.155296	0.032539	0.354559
	-0.18725	-2.15253	0.032759	0.355199
FEN1;POLR2G	-0.1603	-2.15556	0.032518	0.354464
	-0.2261	-2.1569	0.032411	0.354012
	0.206162	2.157311	0.032379	0.353919
PSMG3	0.201654	2.153458	0.032685	0.354947
TMEM51-AS1	0.137482	2.158198	0.032309	0.353777
	0.201465	2.145211	0.033349	0.356988
	0.211101	2.156154	0.032471	0.354293
CEP41;MKLN1;KLHDC10	-0.34302	-2.15473	0.032584	0.354654
	0.239424	2.156933	0.032409	0.354002
BCL11B	0.269321	2.153875	0.032652	0.354912
CPSF1	-0.23565	-2.15902	0.032244	0.353517
	0.157809	2.154838	0.032575	0.354653
	-0.31823	-2.14765	0.033151	0.356476
	-0.20326	-2.15642	0.032449	0.354189
	-0.32006	-2.15753	0.032362	0.353871
	0.184638	2.158203	0.032308	0.353777
HES2;KCNA2;ESPN	0.32459	2.154251	0.032622	0.354786
PPIF;ZMIZ1;ANXA11;SFTPD;TMEM254	-0.32317	-2.15426	0.032621	0.354786
	-0.19043	-2.15892	0.032252	0.353536
	0.160493	2.156457	0.032447	0.35417
	0.136147	2.149479	0.033004	0.355938
	0.32049	2.157532	0.032361	0.353871
	-0.15135	-2.15466	0.032589	0.354687
KMT2E	-0.17463	-2.15635	0.032455	0.354199
	0.20112	2.150867	0.032892	0.355593
	0.245908	2.156382	0.032453	0.354189
	-0.14	-2.15072	0.032904	0.355647
	-0.19973	-2.15895	0.03225	0.353534
	0.190766	2.151883	0.032811	0.355282
TRIM16L;FBXW10	-0.29177	-2.1568	0.03242	0.354039

SLIT3;ENSG00000248222;WWC1;TENM2	0.338567	2.149701	0.032986	0.355895
	-0.22638	-2.15544	0.032527	0.354545
	-0.17743	-2.1561	0.032475	0.354293
	0.271646	2.151904	0.032809	0.355282
SCNN1G	0.24134	2.151713	0.032825	0.355364
CCDC148;UPP2;CYTIP	-0.38465	-2.15515	0.032551	0.354579
EDC4;FAM65A	-0.13597	-2.15141	0.032849	0.355444
	-0.12411	-2.15225	0.032782	0.355282
MFNG;CSF2RB;MYH9;LGALS1	-0.21829	-2.15739	0.032372	0.353893
DEGS2;WARS	0.281472	2.155255	0.032542	0.354559
	-0.22316	-2.15636	0.032454	0.354197
	-0.23101	-2.15266	0.032749	0.355175
	-0.17005	-2.1562	0.032467	0.354265
	-0.20487	-2.15891	0.032252	0.353536
	0.10413	2.150905	0.032889	0.355593
	-0.19903	-2.15028	0.032939	0.355744
	0.191373	2.152201	0.032786	0.355282
	-0.13715	-2.15265	0.03275	0.355175
CPXM2;LHPP;OAT;GPR26	0.234824	2.151113	0.032873	0.355521
	-0.19578	-2.15566	0.03251	0.354456
IGFBP2;DIRC3;ENSG00000236295	0.348323	2.157433	0.032369	0.353893
	0.22853	2.154364	0.032613	0.354786
	0.180523	2.157797	0.032341	0.353842
FA2H	-0.29652	-2.15527	0.032541	0.354559
	-0.19656	-2.15674	0.032424	0.354039
	0.252999	2.15254	0.032758	0.355199
	0.292637	2.153344	0.032694	0.354978
IL2RB;MFNG	-0.29845	-2.15479	0.032579	0.354653
	0.200403	2.157114	0.032395	0.353973
	-0.22102	-2.1578	0.03234	0.353842
	0.237011	2.155706	0.032506	0.354446
ZNF404;ZNF155	-0.26799	-2.15913	0.032236	0.353493
	0.274007	2.151218	0.032864	0.35547
	0.309084	2.154145	0.03263	0.354817
	-0.27572	-2.15196	0.032805	0.355282
	-0.17493	-2.15669	0.032428	0.354042
	-0.3309	-2.15785	0.032336	0.353833
ENSG00000261659;METRN;ENSG00000196674;CCDC78;IFT14				
O;PIGQ;WDR24;BAIAP3	-0.22148	-2.15687	0.032414	0.354027
ENSG00000259363;DNM1P46;SYNM;ADAMTS17	-0.31154	-2.14877	0.033061	0.356177
TMEM132B	0.304655	2.157163	0.032391	0.35397
FUOM;LRRC27	-0.20286	-2.15202	0.0328	0.355282
	0.195868	2.155411	0.03253	0.354556
	0.189236	2.154542	0.032599	0.354738
UNKL;ENSG00000261659	-0.29048	-2.15654	0.03244	0.354134
	-0.22017	-2.15556	0.032518	0.354464
ENSG00000272072	0.371274	2.15623	0.032465	0.354253

ENSG00000255092	-0.18071	-2.15276	0.032741	0.355175
	0.129425	2.154255	0.032622	0.354786
	-0.34655	-2.15599	0.032484	0.354333
	0.287886	2.157148	0.032392	0.35397
	0.292451	2.152193	0.032786	0.355282
MUC5AC DYNLRB2	0.113888	2.152137	0.032791	0.355282
	-0.24396	-2.15515	0.03255	0.354579
	-0.32796	-2.15694	0.032409	0.354002
	0.161674	2.153387	0.032691	0.354967
	0.291777	2.150898	0.03289	0.355593
TSPAN1;AKR1A1;CMPK1	-0.18705	-2.15358	0.032675	0.354912
	0.188223	2.154577	0.032596	0.354722
	0.12939	2.154336	0.032615	0.354786
	0.215648	2.14814	0.033112	0.356352
	0.455153	2.159302	0.032222	0.35342
NRROS;LRCH3;KIAA0226	-0.30823	-2.15757	0.032359	0.353871
	0.259987	2.151334	0.032855	0.35547
	0.299895	2.157039	0.0324	0.353982
	0.321027	2.151032	0.032879	0.355557
	0.181678	2.149899	0.03297	0.355866
HMHA1	0.281863	2.149852	0.032974	0.355879
	-0.33087	-2.15605	0.032479	0.354308
	0.310367	2.146816	0.033219	0.356695
	0.236421	2.156627	0.032433	0.354067
	0.122683	2.157552	0.03236	0.353871
PRSS12;ENSG00000225892	0.247662	2.150667	0.032909	0.355687
	0.280774	2.150993	0.032882	0.35556
	0.244187	2.154745	0.032583	0.354654
	0.128411	2.155726	0.032505	0.354446
	0.176934	2.151281	0.032859	0.35547
RIPK1;ENSG00000266252 LINC01107	0.3377	2.146712	0.033227	0.356739
	-0.32469	-2.15447	0.032605	0.354743
	-0.23119	-2.15388	0.032651	0.354912
	0.225641	2.15679	0.03242	0.354039
	0.268578	2.156396	0.032451	0.354189
KLHL29;FAM228B;ENSG00000115128;ENSG00000224361	-0.22714	-2.14692	0.033211	0.35668
	0.365531	2.152049	0.032798	0.355282
	-0.34009	-2.15887	0.032255	0.353536
	0.288119	2.153885	0.032651	0.354912
	0.288431	2.154489	0.032603	0.35474
	-0.33652	-2.15268	0.032747	0.355175
	0.22262	2.154484	0.032603	0.35474
	0.142291	2.154811	0.032577	0.354653
	0.307605	2.14982	0.032977	0.355879
	0.186632	2.155356	0.032534	0.354559
	-0.27166	-2.15718	0.032389	0.35397
	-0.20747	-2.15024	0.032943	0.355762

	-0.30778	-2.14811	0.033114	0.356352
	0.121428	2.152517	0.03276	0.355199
TBC1D19	0.226692	2.155018	0.032561	0.354617
	0.205417	2.158133	0.032314	0.353788
	0.2902	2.155813	0.032498	0.354418
WDR66;DNAH10;LRRC43;TCTN2;PITPNM2;ENSG00000251497; ENSG00000256546;HIP1R;RILPL2;KNTC1;ZCCHC8;ABCB9;EIF2B 1	-0.19268	-2.14991	0.032969	0.355866
	0.204337	2.149108	0.033034	0.35605
GLIS2;GLYR1;SMIM22	0.373841	2.151161	0.032869	0.355498
	0.175673	2.156035	0.03248	0.354308
	0.245906	2.152404	0.032769	0.355269
	0.186199	2.153728	0.032664	0.354912
	0.251904	2.156094	0.032475	0.354293
	-0.22114	-2.14942	0.033008	0.355944
	0.164923	2.145766	0.033304	0.356871
	0.225782	2.151871	0.032812	0.355282
	-0.14697	-2.15277	0.03274	0.355175
	-0.15833	-2.15175	0.032822	0.35536
CD248;RBM4;AIP	0.129128	2.15223	0.032783	0.355282
	-0.35565	-2.15515	0.03255	0.354579
	0.286988	2.152429	0.032767	0.355257
	-0.22411	-2.15564	0.032512	0.354456
	-0.15314	-2.15472	0.032585	0.354654
	0.15616	2.153246	0.032702	0.354981
MAPK12;CPT1B	0.194544	2.152672	0.032748	0.355175
NOVA2;EXOC3L2	-0.29358	-2.15409	0.032635	0.354829
	-0.26264	-2.15092	0.032888	0.355593
PRRT3;ENSG00000206567;FANCD2	0.221405	2.148247	0.033103	0.356325
FAM83H-AS1;RHPN1-AS1;ARHGAP39;C8orf31;LY6H;ZNF34	-0.25854	-2.14839	0.033091	0.356314
	-0.30491	-2.15725	0.032384	0.353951
	0.135998	2.151942	0.032806	0.355282
	-0.31013	-2.15573	0.032504	0.354446
	-0.26026	-2.14989	0.032971	0.355866
	0.232804	2.155106	0.032554	0.354589
CMKLR1	-0.18437	-2.14685	0.033216	0.35668
	0.203229	2.151879	0.032811	0.355282
AIM2	-0.28531	-2.15353	0.03268	0.354914
	0.401319	2.154918	0.032569	0.354624
	-0.15038	-2.1548	0.032578	0.354653
	0.225377	2.152218	0.032784	0.355282
WDR86;WDR86-AS1;ACTR3B	-0.32136	-2.14807	0.033118	0.356352
	-0.26322	-2.15199	0.032802	0.355282
ZNF540;GMFG;ZNF781	-0.21203	-2.15153	0.032839	0.355387
TMEM106A;IFI35	-0.21597	-2.15667	0.03243	0.354052

C1QTNF1;CBX2;TIMP2;ENSG00000178404;TNRC6C;ENSG00000267491;USP36;TMC8	-0.20935	-2.15512	0.032553	0.354589
	-0.1695	-2.15164	0.032831	0.355374
	0.237304	2.154304	0.032618	0.354786
PLEKHG2;ZNF780B;FBXO27;PRX	0.208849	2.151494	0.032842	0.355392
CHCHD3;PLXNA4;EXOC4	-0.30091	-2.1468	0.03322	0.356696
	-0.22402	-2.15278	0.032739	0.355175
	-0.22064	-2.1558	0.032498	0.354418
ENSG00000227470	-0.32685	-2.15496	0.032566	0.354617
	0.208236	2.154235	0.032623	0.354786
ME1	0.330429	2.150839	0.032895	0.355593
SLC2A12	-0.3027	-2.15481	0.032577	0.354653
HIVEP1	0.16842	2.152826	0.032736	0.355175
	0.156801	2.150525	0.03292	0.355706
	-0.28736	-2.15343	0.032687	0.354947
	0.199091	2.154093	0.032635	0.354829
DEGS2;BCL11B;HHIPL1	0.358164	2.151693	0.032826	0.355373
	-0.19838	-2.14865	0.03307	0.356225
RRM2;CYS1	0.279605	2.150448	0.032926	0.355706
LCK;DCDC2B	-0.32338	-2.15235	0.032774	0.355282
	-0.22758	-2.15665	0.032431	0.354053
RIN3;ASB2;SLC24A4;C14orf142	-0.32682	-2.15231	0.032777	0.355282
	0.190065	2.151217	0.032864	0.35547
P2RX4;P2RX7	0.351488	2.154057	0.032637	0.354829
	-0.26104	-2.15427	0.03262	0.354786
	0.239408	2.153817	0.032656	0.354912
	-0.18007	-2.1557	0.032506	0.354446
	0.21293	2.154497	0.032602	0.35474
TUBGCP2;KNDC1;STK32C;PWWP2B	0.510383	2.155752	0.032503	0.354446
	-0.34594	-2.15724	0.032385	0.353951
	-0.31909	-2.15319	0.032706	0.355008
GPR133	0.357937	2.153695	0.032666	0.354912
	-0.13357	-2.15771	0.032347	0.353871
	-0.22716	-2.14965	0.03299	0.355911
	0.325653	2.157208	0.032387	0.353963
	0.323086	2.152132	0.032791	0.355282
	0.215985	2.152055	0.032797	0.355282
	0.143154	2.145853	0.033297	0.356871
	-0.14545	-2.15029	0.032939	0.355744
SAMD11;MXRA8;ENSG00000223764;VWA1;SSU72;PRKCZ;ANKRD65;LINC01128	-0.23328	-2.15492	0.032569	0.354624
	-0.22302	-2.15503	0.03256	0.354617
GBAS;PSPH;ZNF713;LANCL2	-0.26505	-2.14802	0.033121	0.356352
C12orf49	0.279214	2.154719	0.032585	0.354654
	-0.19316	-2.15398	0.032643	0.354876
F12;FGFR4;ARL10	0.236506	2.151452	0.032846	0.355419
ENSG00000260774	0.139344	2.152292	0.032778	0.355282

	0.266585	2.150625	0.032912	0.355704
	0.229783	2.151601	0.032834	0.355375
	0.203261	2.153713	0.032665	0.354912
	-0.31622	-2.15321	0.032705	0.355006
	-0.15718	-2.15366	0.032669	0.354912
	0.139794	2.152176	0.032788	0.355282
	0.160735	2.154233	0.032623	0.354786
	0.332358	2.154418	0.032609	0.35477
	0.212962	2.153326	0.032696	0.354981
PTGDS;SLC34A3;RNF224;UBAC1;ENSG00000264527;C9orf163;I				
NPP5E;AGPAT2	0.416688	2.154185	0.032627	0.354809
SNAI2	-0.19271	-2.14967	0.032988	0.35591
SUPT7L;EMILIN1;IFT172;KRTCAP3;MAPRE3;AGBL5;KHK;DRC1;C				
CDC121;GPN1;RBKS;C2orf70	-0.30809	-2.15086	0.032893	0.355593
	-0.19573	-2.14881	0.033058	0.356168
	-0.2847	-2.1548	0.032578	0.354653
ZNF295-AS1;UBASH3A	0.271506	2.155109	0.032554	0.354589
	0.218437	2.150859	0.032893	0.355593
	0.097167	2.148554	0.033078	0.356244
	0.17939	2.148821	0.033057	0.356168
	-0.13233	-2.14923	0.033024	0.356026
	0.254698	2.146588	0.033237	0.356757
SYNJ2	-0.25212	-2.15378	0.03266	0.354912
	-0.21606	-2.14997	0.032964	0.355866
	-0.12713	-2.15454	0.032599	0.354738
	-0.28226	-2.15519	0.032547	0.354576
KIAA0922;TLR2	-0.36875	-2.15289	0.03273	0.355161
	0.177736	2.147424	0.03317	0.356517
MVP	0.273623	2.14729	0.03318	0.356561
	0.22903	2.149009	0.033042	0.356087
	0.362347	2.15202	0.0328	0.355282
	-0.23179	-2.15019	0.032947	0.355762
	-0.22339	-2.15352	0.03268	0.354914
	-0.32286	-2.1536	0.032674	0.354912
	0.18707	2.149027	0.03304	0.356087
	0.254619	2.152678	0.032747	0.355175
	0.129724	2.145617	0.033316	0.356871
	0.226592	2.152384	0.032771	0.355278
TMEM45B;ST14	-0.29835	-2.15125	0.032862	0.35547
ZBTB20;ENSG00000259976;GRAMD1C;ZDHHC23	0.300646	2.154221	0.032624	0.354786
	0.295211	2.152088	0.032795	0.355282
CAMTA1;SLC45A1	-0.30114	-2.14889	0.033052	0.356141
	0.55604	2.152743	0.032742	0.355175
RING1	-0.2038	-2.14355	0.033484	0.35743
	0.208292	2.145847	0.033297	0.356871
	-0.31395	-2.15414	0.03263	0.354817
	0.213756	2.153689	0.032667	0.354912

ARAP2	-0.35394	-2.14994	0.032967	0.355866
	0.147427	2.149496	0.033003	0.355938
	0.173469	2.149606	0.032994	0.35593
	0.322077	2.150788	0.032899	0.355609
	0.192541	2.153028	0.032719	0.355089
	0.316646	2.15459	0.032595	0.354721
	0.254627	2.15357	0.032676	0.354912
	-0.26544	-2.1553	0.032539	0.354559
	-0.20516	-2.15375	0.032662	0.354912
	-0.279	-2.14829	0.0331	0.356323
HMMR	0.268049	2.149328	0.033016	0.355985
	0.207148	2.151287	0.032859	0.35547
	0.190428	2.155951	0.032487	0.354354
HAPLN3;ANPEP	0.165754	2.152795	0.032738	0.355175
	-0.29293	-2.14947	0.033005	0.355938
AZGP1;AGFG2	-0.22242	-2.15052	0.03292	0.355706
MPRIP;COPS3;LGALS9C	-0.20825	-2.15055	0.032918	0.355706
	0.277629	2.154594	0.032595	0.354721
	0.135937	2.144109	0.033438	0.357348
	-0.2923	-2.15123	0.032863	0.35547
PLXDC1;IGFBP4;IKZF3;STARD3 LMAN2L;ZAP70	-0.27635	-2.15335	0.032694	0.354978
	-0.21693	-2.14786	0.033135	0.356376
	0.091266	2.151954	0.032805	0.355282
	0.258274	2.143121	0.033519	0.357514
SH3BP4	-0.27212	-2.15261	0.032753	0.355177
PIGV;PDIK1L;HMG2N2;CEP85;NUDC;TRNP1;PPP1R8;FAM110D	-0.29368	-2.14889	0.033051	0.356141
	0.1336	2.147098	0.033196	0.356599
	-0.20592	-2.15052	0.03292	0.355706
DAK;INTS5	-0.28376	-2.15216	0.032789	0.355282
	-0.2337	-2.15476	0.032581	0.354654
	0.143922	2.155358	0.032534	0.354559
	-0.24238	-2.15568	0.032508	0.35445
LYSMD2;SLC27A2;MAPK6	-0.23664	-2.14794	0.033128	0.356361
	0.294395	2.152439	0.032767	0.355257
	0.231233	2.157419	0.03237	0.353893
FLI1;ARHGAP32;ETS1;TP53AIP1;TMEM45B;SENCR	-0.26115	-2.15384	0.032655	0.354912
	-0.30314	-2.15342	0.032688	0.354947
GPR17	-0.22966	-2.15052	0.032921	0.355706
	-0.15531	-2.15479	0.032579	0.354653
	-0.2109	-2.15064	0.03291	0.355699
MYO1F;PRAM1	0.186755	2.141266	0.03367	0.357975
DOCK2;LCP2;SPDL1;FAM196B	-0.38552	-2.15368	0.032668	0.354912
RPL41	-0.23228	-2.15127	0.03286	0.35547
	-0.16925	-2.15416	0.032629	0.354817
	0.241938	2.153683	0.032667	0.354912
	-0.26535	-2.14343	0.033494	0.35743



NLRC5	0.18662	2.153878	0.032652	0.354912
	0.239786	2.151575	0.032836	0.355375
	-0.20712	-2.14558	0.033319	0.356894
ANTXRPL1;ANXA8	0.275889	2.154022	0.03264	0.35485
	-0.37817	-2.14992	0.032968	0.355866
IL10RA;CBL;AMICA1;C2CD2L;PDZD3;PHLDB1;RPL5P30;IFT46;FX YD2	-0.33417	-2.14507	0.03336	0.357047
	0.160016	2.15363	0.032671	0.354912
ZKSCAN1;ZCWPW1	-0.3014	-2.15092	0.032888	0.355593
	0.269449	2.152722	0.032744	0.355175
ENSG00000259087;SEC23A;CLEC14A HDLBP	0.265802	2.14745	0.033168	0.356503
	0.262245	2.150495	0.032922	0.355706
ENSG00000198843	0.311696	2.153316	0.032696	0.354981
SLBP;ENSG00000253399	0.170739	2.152724	0.032744	0.355175
TMEM45B	-0.32564	-2.1406	0.033725	0.358126
	0.227762	2.155322	0.032537	0.354559
OR7E47P;ESPL1;RARG;SPRYD3;ITGB7;ACVR1B;C12orf10 SNTB1	-0.2246	-2.15214	0.03279	0.355282
	-0.35153	-2.15081	0.032897	0.355609
	-0.3967	-2.15165	0.032829	0.355374
	0.17143	2.152562	0.032757	0.355199
	0.234023	2.149384	0.033012	0.355964
IGF2;CARS;MRPL23;NAP1L4	-0.17894	-2.15434	0.032615	0.354786
	-0.25553	-2.14945	0.033006	0.355942
	0.21607	2.149536	0.032999	0.355938
	-0.24989	-2.14792	0.03313	0.356368
	-0.32458	-2.14775	0.033143	0.356438
GOT2;CNOT1	0.16366	2.148913	0.03305	0.356141
	-0.27129	-2.14973	0.032983	0.355893
	0.168707	2.147865	0.033134	0.356376
	0.219283	2.151375	0.032852	0.355459
	0.300201	2.150501	0.032922	0.355706
NFIC;DOT1L S100PBP TCP11L1 RIPK4;TMPRSS2;SLC37A1;PDE9A	-0.12009	-2.14853	0.033081	0.356251
	0.272085	2.153269	0.0327	0.354981
	0.266628	2.153439	0.032687	0.354947
	-0.42976	-2.15193	0.032807	0.355282
	-0.31758	-2.15207	0.032796	0.355282
S100P	0.194178	2.15496	0.032565	0.354617
	0.20855	2.152908	0.032729	0.355157
	0.200214	2.15203	0.032799	0.355282
	0.2266	2.153438	0.032687	0.354947
	-0.20345	-2.14934	0.033015	0.35598
CAPN2;ENSG00000225265;BROX	0.111047	2.15187	0.032812	0.355282
	-0.22367	-2.15032	0.032936	0.355744
	0.289894	2.149599	0.032994	0.35593
	-0.26334	-2.1471	0.033196	0.356599
	0.156976	2.152044	0.032798	0.355282
	0.280546	2.15046	0.032925	0.355706

	0.230936	2.151262	0.032861	0.35547
SULT1C4	0.325208	2.145628	0.033315	0.356871
	-0.27244	-2.14817	0.033109	0.356352
CD40	-0.35493	-2.1458	0.033301	0.356871
	0.275902	2.148315	0.033098	0.356323
LPCAT1	0.238143	2.148586	0.033076	0.356239
	0.289496	2.151931	0.032807	0.355282
	0.148787	2.15263	0.032751	0.355175
	-0.48031	-2.15043	0.032928	0.355714
	0.256946	2.147634	0.033153	0.356476
	0.239845	2.147605	0.033155	0.356476
	0.251625	2.151289	0.032859	0.35547
CAMSAP2;IPO9;NAV1;RNPEP;TNNT2	0.199288	2.154724	0.032584	0.354654
	-0.15643	-2.14929	0.033019	0.356
KIF21B;ELF3;PPP1R12B;RNPEP;CYB5R1;PTPN7;CSRP1;LMOD1;T MEM183A;KDM5B;LGR6;NAV1;ENSG00000234678;UBE2T;ADI POR1;IPO9	-0.26254	-2.15161	0.032833	0.355375
SLC35E1P1;IFT88	0.116878	2.150772	0.0329	0.355613
SLC29A1;TMEM63B	0.165577	2.154068	0.032636	0.354829
FERMT3;BATF2;SIPA1;CCDC88B;NRXN2;SLC25A45;CDC42BPG;R ASGRP2	0.430485	2.153628	0.032672	0.354912
STK16	0.179485	2.144943	0.033371	0.357047
ZNF713;GBAS	0.295561	2.156484	0.032444	0.354164
	0.262921	2.152555	0.032757	0.355199
	-0.31841	-2.14888	0.033052	0.356141
	0.24122	2.148535	0.03308	0.356251
	-0.14173	-2.15298	0.032723	0.35512
TNFSF4	-0.40918	-2.14924	0.033023	0.356026
	0.212163	2.15252	0.03276	0.355199
	0.269415	2.151518	0.03284	0.355387
RPS3AP34	-0.20953	-2.15427	0.03262	0.354786
	0.146942	2.15103	0.032879	0.355557
	-0.18427	-2.14721	0.033187	0.356575
DPCD;MGEA5;ARL3;MRPL43;KCNIP2;FBXW4;FAM178A ENSG00000234869;CERK;CELSR1;WNT7B	-0.33462	-2.14505	0.033362	0.357047
	-0.20665	-2.14795	0.033127	0.356361
	-0.27837	-2.15005	0.032958	0.355838
	0.236819	2.15379	0.032659	0.354912
	0.320721	2.154376	0.032612	0.354786
ARHGEF10;MYOM2;CLN8	0.279889	2.140523	0.033731	0.358126
	0.199782	2.148741	0.033063	0.356189
	0.097878	2.153626	0.032672	0.354912
	-0.16922	-2.14835	0.033095	0.356323
	-0.16499	-2.15049	0.032923	0.355706
TTC26;ATP6V0A4	-0.229	-2.14944	0.033007	0.355944
RC3H1	0.246335	2.151589	0.032835	0.355375
	0.154839	2.149917	0.032969	0.355866
	-0.43084	-2.14545	0.03333	0.356938

	0.155828	2.151228	0.032863	0.35547
ARID5B	-0.36432	-2.14532	0.03334	0.356988
ANGPTL1	0.297915	2.150485	0.032923	0.355706
	0.251187	2.152329	0.032775	0.355282
	0.218844	2.152928	0.032727	0.355157
	-0.123	-2.14866	0.03307	0.356225
	-0.18336	-2.15283	0.032735	0.355175
	0.183473	2.150473	0.032924	0.355706
	0.262181	2.152256	0.032781	0.355282
	-0.16019	-2.15325	0.032701	0.354981
	0.272973	2.143384	0.033497	0.35743
N6AMT1	0.290008	2.150523	0.03292	0.355706
	-0.33425	-2.15265	0.03275	0.355175
	0.277281	2.152783	0.032739	0.355175
DYRK2;IRAK3	0.232781	2.145351	0.033338	0.356975
	0.302423	2.153146	0.03271	0.355008
EXOC3L2;SNRPD2;RELB;ERCC1	-0.37543	-2.14837	0.033094	0.356317
	-0.14367	-2.14914	0.033031	0.356033
	0.291036	2.153581	0.032675	0.354912
GIMAP8;GIMAP5;GIMAP6;GIMAP7;GIMAP1;GIMAP4;GIMAP2; REPIN1;TMEM176B;NOS3;RARRES2;ENSG00000240449;WDR8 6-AS1	0.323638	2.150197	0.032946	0.355762
	0.173504	2.141436	0.033657	0.357872
MIEF2;MPRIIP;RASD1;TVP23B	-0.17275	-2.14545	0.03333	0.356938
FXD3;ZNF181;ZNF792	0.257426	2.145444	0.03333	0.356938
	-0.23615	-2.14739	0.033172	0.356526
	-0.18725	-2.14877	0.033061	0.356177
	0.19062	2.148599	0.033075	0.356239
	0.187915	2.149942	0.032967	0.355866
	-0.21911	-2.14669	0.033229	0.356739
	0.123667	2.147081	0.033197	0.356599
	0.179814	2.151324	0.032856	0.35547
	0.096315	2.151106	0.032873	0.355521
STARD9;DLL4;ENSG00000261183;SPINT1;RHOF;LRRC57;TMEM 87A;LTK;NDUFAF1;ZNF106	-0.2608	-2.1443	0.033422	0.357258
PSTPIP2	-0.26911	-2.14845	0.033087	0.356301
	-0.14901	-2.14352	0.033486	0.35743
	-0.36474	-2.15084	0.032895	0.355593
	-0.23929	-2.14594	0.03329	0.356871
	0.229163	2.151659	0.032829	0.355374
PSD3;PCM1;NAT1;INTS10	-0.1846	-2.15079	0.032898	0.355609
SQRDL;DUOXA2	0.170527	2.150317	0.032937	0.355744
EBF3	-0.40279	-2.14752	0.033162	0.356494
	-0.23349	-2.15231	0.032777	0.355282
	0.255285	2.152068	0.032796	0.355282
	0.22068	2.149792	0.032979	0.355879
CES4A;CMTM4	0.149816	2.15028	0.03294	0.355744

PHLPP1;BCL2	-0.38583	-2.15024	0.032942	0.355762	
	0.181753	2.1481	0.033115	0.356352	
	-0.23565	-2.15159	0.032835	0.355375	
	0.360249	2.152253	0.032781	0.355282	
	-0.18754	-2.14871	0.033066	0.356203	
ZNF415	-0.20487	-2.14688	0.033214	0.35668	
	-0.2688	-2.14668	0.03323	0.356739	
	-0.25107	-2.14947	0.033005	0.355938	
NOVA2;EXOC3L2	-0.23745	-2.15118	0.032867	0.355491	
	0.180957	2.145887	0.033294	0.356871	
CD34	0.248653	2.148074	0.033117	0.356352	
HN1L;PDPK1;IFT140;CCDC78;BAIAP3;HS3ST6;HAGH	-0.29991	-2.151	0.032882	0.35556	
C17orf97;DOC2B;SCARF1;TLCD2;INPP5K;FAM101B;YWHAE ARRB2	-0.32859	-2.14729	0.03318	0.356561	
	-0.24803	-2.14758	0.033157	0.356486	
	-0.13524	-2.14733	0.033177	0.356545	
	0.312538	2.151739	0.032823	0.35536	
	0.227313	2.144659	0.033394	0.357138	
CAMTA1;CHD5	-0.18927	-2.14248	0.033571	0.357569	
	0.181824	2.146795	0.033221	0.356696	
	CGNL1;TCF12;ZNF280D	-0.36361	-2.14814	0.033112	0.356352
	GPN1;SUPT7L;ENSG00000229951	-0.23454	-2.14397	0.03345	0.357357
		-0.36883	-2.15423	0.032624	0.354786
0.23795		2.148732	0.033064	0.356189	
RPS3AP25	0.1594	2.149219	0.033025	0.356026	
	0.245528	2.152026	0.0328	0.355282	
	0.263748	2.145731	0.033307	0.356871	
	ICAM1;PDE4A;COL5A3;AP1M2;KANK2	-0.23775	-2.15136	0.032853	0.35546
	UBXN11	-0.13856	-2.14076	0.033712	0.358098
-0.17615		-2.15277	0.03274	0.355175	
0.2297		2.150302	0.032938	0.355744	
0.194668		2.144347	0.033419	0.357246	
0.264798		2.149721	0.032984	0.355895	
RASAL3	0.3415	2.151718	0.032824	0.355364	
	-0.23635	-2.1514	0.032849	0.355444	
	-0.19178	-2.15099	0.032883	0.35556	
ROBO4;ESAM;TMEM218;SPA17;FEZ1;PKNOX2;ROBO3;KIRREL3; CDON	0.250123	2.149531	0.033	0.355938	
RFX8	-0.2148	-2.15034	0.032935	0.355744	
	-0.21277	-2.14935	0.033014	0.35598	
	0.222262	2.144396	0.033415	0.357232	
FCHSD2	-0.23707	-2.15115	0.032869	0.355498	
	-0.22983	-2.15018	0.032948	0.355762	
	0.137421	2.146593	0.033237	0.356757	
GCLC;LRRC1;ENSG00000236740	-0.25908	-2.14762	0.033154	0.356476	
	0.142685	2.148295	0.033099	0.356323	

OLFM1;LINC00094;COL5A1;C9orf116;PPP1R26-AS1;ENSG00000233936	-0.25193	-2.14761	0.033155	0.356476
DGKH	0.163139	2.146146	0.033273	0.356871
FUOM;VENTX;ECHS1	-0.20311	-2.1498	0.032978	0.355879
	0.214189	2.143925	0.033453	0.357357
PDE1A	0.211179	2.145864	0.033296	0.356871
	0.250707	2.149905	0.03297	0.355866
	0.310594	2.151511	0.032841	0.355387
	0.205523	2.1438	0.033464	0.357364
	0.225336	2.146621	0.033235	0.356755
DNAJA4;WDR61;TSPAN3;ACSBG1;SCAPER;TBC1D2B;HYKK;CRA				
BP1	0.218854	2.144052	0.033443	0.357357
RLTPR	0.225045	2.147506	0.033163	0.356494
	0.223387	2.151647	0.03283	0.355374
	0.199032	2.145521	0.033324	0.356911
	0.233264	2.15211	0.032793	0.355282
DCHS1	-0.18891	-2.14594	0.03329	0.356871
	-0.30787	-2.14229	0.033586	0.357606
ARL10;SIMC1;DBN1;RMND5B;LMAN2;RNF44;PDLIM7;NSD1	-0.24659	-2.14976	0.032981	0.355891
SNORA23	0.310574	2.149567	0.032997	0.355935
	0.16041	2.149932	0.032968	0.355866
BATF3	-0.28503	-2.14886	0.033054	0.356147
DENND2D	0.231107	2.146613	0.033235	0.356755
	-0.15688	-2.14817	0.03311	0.356352
	0.184602	2.152348	0.032774	0.355282
	0.123128	2.143855	0.033459	0.357364
	0.225447	2.145385	0.033335	0.356972
DMGDH	-0.25043	-2.15132	0.032856	0.35547
	0.261635	2.149161	0.03303	0.356033
	0.373615	2.144995	0.033366	0.357047
	0.145412	2.144144	0.033436	0.357337
GRASP;ACVRL1;ACVR1B;TENC1;KRT80;KRT18;DAZAP2;BIN2;ITG				
B7;OR7E47P;KRT8	-0.20461	-2.14397	0.033449	0.357357
	0.270915	2.149831	0.032976	0.355879
ABCA8;ABCA6;ABCA5;ABCA10;ABCA9;ENSG00000267361;MIR				
4524B	0.233031	2.14174	0.033632	0.357807
HK2;MOGS	0.171284	2.14656	0.03324	0.356761
	0.303182	2.148447	0.033087	0.356301
AES	-0.27397	-2.15016	0.032949	0.355769
	-0.1515	-2.14615	0.033273	0.356871
	0.260449	2.152628	0.032751	0.355175
	0.290437	2.145529	0.033323	0.356911
PCSK7	0.219044	2.147247	0.033184	0.356572
	0.116921	2.145974	0.033287	0.356871
	-0.21196	-2.13947	0.033818	0.358411
	0.210182	2.14645	0.033248	0.356784

PARD6B;ZNFX1;SLC9A8;PTGIS;STAU1;CEBPB	-0.27177	-2.15196	0.032805	0.355282
	0.306243	2.145705	0.033309	0.356871
HCP5;LTB	-0.26848	-2.1519	0.03281	0.355282
	0.167353	2.145273	0.033344	0.356988
	0.233178	2.14709	0.033197	0.356599
	-0.21757	-2.14595	0.033289	0.356871
	0.212987	2.151769	0.03282	0.355351
	0.322638	2.146864	0.033215	0.35668
	0.17739	2.150061	0.032957	0.355835
NRROS;SLC51A;MUC4	-0.31867	-2.14572	0.033308	0.356871
	0.289612	2.149953	0.032966	0.355866
	0.253439	2.147112	0.033195	0.356599
AAMP	-0.20608	-2.14381	0.033463	0.357364
	0.240775	2.150448	0.032926	0.355706
	0.154013	2.146638	0.033233	0.356752
	-0.24806	-2.14982	0.032976	0.355879
AFF3;PDCL3	-0.25547	-2.14552	0.033324	0.356911
	0.303367	2.147152	0.033192	0.356591
	0.212279	2.143842	0.03346	0.357364
	0.224885	2.152153	0.032789	0.355282
	0.236041	2.147627	0.033153	0.356476
	-0.24419	-2.14772	0.033145	0.356445
TEKT3;FAM211A-AS1;ENSG00000226145	-0.32302	-2.13838	0.033908	0.358749
	0.152263	2.15009	0.032955	0.355818
	-0.28201	-2.14549	0.033326	0.356928
	-0.21111	-2.15182	0.032816	0.355314
C6orf1	0.10532	2.145239	0.033347	0.356988
	0.23317	2.138946	0.033861	0.358578
	-0.40144	-2.14415	0.033435	0.357337
	0.217166	2.146044	0.033281	0.356871
KRT8P50	-0.17021	-2.14908	0.033036	0.356063
IQCE	-0.14069	-2.14024	0.033754	0.358233
KIAA1244;NHSL1;REPS1	0.278184	2.149657	0.03299	0.355911
	-0.25434	-2.15041	0.032929	0.355714
SLC25A12;ENSG00000091436	-0.36047	-2.14567	0.033311	0.356871
SH3BP2	0.429134	2.149562	0.032997	0.355935
ST3GAL2;IL34;MARVELD3;CHST4;ZNF19;NQO1;ENSG00000262890;ENSG00000260156;ENSG00000260015;PHLPP2;COG4;HYDIN;ENSG00000259833;NFAT5;TAT	-0.3038	-2.14288	0.033538	0.357558
	0.276751	2.149472	0.033004	0.355938
	0.323608	2.149298	0.033019	0.356
	-0.20372	-2.14896	0.033046	0.356118
PTGDS;C9orf163;EGFL7;UAP1L1;LCNL1;GPSM1;TUBB4B;RNF224;ENSG00000264527;NOTCH1;CACNA1B;INPP5E;ENTPD8;SLC34A3;C9orf169	-0.27012	-2.15004	0.032959	0.355838
	-0.20343	-2.14455	0.033402	0.357184
RNASE1;TTC5	0.429461	2.149708	0.032986	0.355895

	0.223499	2.14665	0.033232	0.35675
	-0.16204	-2.14683	0.033218	0.356691
	-0.17292	-2.14942	0.033009	0.355944
	-0.0936	-2.14623	0.033266	0.356871
	0.213255	2.142584	0.033563	0.357569
	0.219292	2.147732	0.033145	0.356445
	-0.26282	-2.14858	0.033076	0.356239
	0.331649	2.151999	0.032802	0.355282
	0.192102	2.143324	0.033502	0.357432
	0.18651	2.147267	0.033182	0.356564
	0.260501	2.150299	0.032938	0.355744
GRIK5;DEDD2;ENSG00000267107;CEACAM6;CEACAM5	-0.19013	-2.14801	0.033122	0.356352
	0.251185	2.149162	0.033029	0.356033
	0.228956	2.148612	0.033074	0.356239
	0.135883	2.148164	0.03311	0.356352
HES6;COL6A3;TRAF3IP1	-0.29823	-2.14266	0.033556	0.357569
	0.210371	2.151627	0.032832	0.355375
	0.308757	2.148149	0.033111	0.356352
	0.20362	2.148812	0.033058	0.356168
	0.107848	2.146208	0.033268	0.356871
ZNF559	-0.1888	-2.14857	0.033077	0.35624
	0.136309	2.14658	0.033238	0.356757
KIAA1614	0.156342	2.145649	0.033313	0.356871
	0.153763	2.144939	0.033371	0.357047
	0.218151	2.14704	0.033201	0.356599
	0.20102	2.146247	0.033265	0.356867
	-0.2042	-2.1436	0.03348	0.357412
TTC28;MTMR3;EMID1;ZNRFB3;XBP1	-0.35334	-2.13981	0.03379	0.358359
ATP5C1	0.231168	2.140588	0.033726	0.358126
	0.179992	2.149202	0.033026	0.356032
	0.190595	2.14631	0.03326	0.356857
	0.206704	2.149222	0.033025	0.356026
	-0.35152	-2.13773	0.033961	0.358967
	-0.23248	-2.14756	0.033159	0.356489
	0.209616	2.147995	0.033124	0.356352
	-0.17011	-2.14842	0.03309	0.35631
CAMSAP1;EGFL7;AGPAT2;UAP1L1;PTGDS;GPSM1;TOR4A;SSNA				
1	-0.48074	-2.15152	0.03284	0.355387
	-0.20917	-2.14363	0.033477	0.357403
	0.134638	2.134332	0.034242	0.359665
AHNAK2;GPR132	-0.21424	-2.14798	0.033125	0.356352
ADSS	0.251361	2.149865	0.032973	0.355878
	-0.30914	-2.14674	0.033225	0.356729
	0.202299	2.149004	0.033042	0.356087
	0.135611	2.141808	0.033626	0.357795
	0.232852	2.146272	0.033263	0.35686
	-0.20443	-2.143	0.033529	0.357524

ENSG00000235096;ENSG00000260855	-0.18524	-2.14335	0.0335	0.35743
	-0.20947	-2.14653	0.033242	0.356761
	-0.23277	-2.14751	0.033162	0.356494
ERG	-0.32099	-2.14689	0.033213	0.35668
MLLT4;ENSG00000231720;PRR18	0.393492	2.152017	0.0328	0.355282
	-0.24506	-2.14285	0.033541	0.357558
DCLK2	0.219656	2.150356	0.032933	0.355744
	-0.21765	-2.14381	0.033463	0.357364
	-0.21149	-2.14728	0.033182	0.356564
ZBP1;RAE1	-0.36396	-2.14654	0.033241	0.356761
	-0.41558	-2.14951	0.033002	0.355938
	0.172112	2.143229	0.03351	0.357462
ENSG00000150076	-0.17184	-2.14975	0.032982	0.355891
	-0.12537	-2.14655	0.03324	0.356761
INPP5A;LRRC27;TTC40;PWWP2B;FUOM;TUBGCP2	0.319954	2.145758	0.033304	0.356871
	0.198038	2.145723	0.033307	0.356871
COL18A1;ICOSLG;TRPM2;ITGB2;POFUT2;LRRC3;ADARB1;ENSG00000215447	0.399543	2.148367	0.033094	0.356317
TRAF3IP1	0.32753	2.145912	0.033292	0.356871
SUPT7L	0.166488	2.144731	0.033388	0.357104
HMHA1;ARID3A	-0.31771	-2.14524	0.033347	0.356988
	-0.23134	-2.14606	0.03328	0.356871
CDHR4	-0.16835	-2.14614	0.033273	0.356871
	-0.18563	-2.14255	0.033565	0.357569
	0.268127	2.149583	0.032996	0.355935
COL16A1;SERINC2;SDC3	0.229914	2.147041	0.033201	0.356599
	0.116007	2.151058	0.032877	0.355554
	-0.13594	-2.14433	0.03342	0.357246
	0.199747	2.147975	0.033125	0.356352
	-0.2236	-2.1475	0.033163	0.356494
	0.248704	2.145245	0.033346	0.356988
NDUFS6;NKD2	-0.19531	-2.14865	0.033071	0.356225
	-0.21742	-2.14879	0.033059	0.356174
	-0.26812	-2.1461	0.033277	0.356871
	0.108914	2.139785	0.033792	0.358368
	-0.1464	-2.14689	0.033213	0.35668
	-0.24215	-2.15041	0.032929	0.355714
	0.171144	2.145259	0.033345	0.356988
	0.25907	2.147998	0.033123	0.356352
	-0.22899	-2.14498	0.033367	0.357047
SNX29;ENSG00000259876	0.278532	2.146375	0.033255	0.35681
SMIM14;UGDH;FAM114A1;WDR19;TLR1	-0.34668	-2.14401	0.033447	0.357357
	0.240697	2.145933	0.03329	0.356871
ZNRD1-AS1	0.183267	2.144692	0.033391	0.357119
	-0.24447	-2.14582	0.033299	0.356871
PEAR1;NES;MEF2D;FCRL5;ARHGEF2;HDGF;FCRL3;LRRC71;SH2D2A;RAB25;CCT3	-0.20124	-2.14604	0.033282	0.356871



	0.234958	2.147463	0.033166	0.356501
	0.249217	2.146016	0.033284	0.356871
STRBP;MIR600HG	-0.27436	-2.1477	0.033147	0.356457
PTPN6;CD4;ACRBP;CD163	-0.20968	-2.1506	0.032914	0.355706
	0.240413	2.145224	0.033348	0.356988
CDC42BPA;RHO	-0.31864	-2.14808	0.033117	0.356352
	0.419029	2.139197	0.03384	0.358484
APBB2	0.196895	2.144813	0.033381	0.357077
	0.154677	2.142606	0.033561	0.357569
	0.15943	2.1472	0.033188	0.356575
TBX3;TBX5;TBX5-AS1	-0.20543	-2.14234	0.033583	0.357584
NET1	-0.27044	-2.15202	0.0328	0.355282
	0.292158	2.148588	0.033076	0.356239
	0.245928	2.145019	0.033364	0.357047
TRNAU1AP	-0.39038	-2.14839	0.033092	0.356314
	0.272663	2.148076	0.033117	0.356352
	-0.13921	-2.14225	0.03359	0.35763
SELPLG	-0.25568	-2.14473	0.033388	0.357104
TMEM131;FAM178B;FER1L5;LINCO1125;CNNM4;ARID5A	-0.12533	-2.14586	0.033296	0.356871
HIF3A	-0.31528	-2.14612	0.033275	0.356871
SERPINB9;SLC22A23	-0.28109	-2.1459	0.033293	0.356871
	0.258143	2.142355	0.033581	0.357584
CD81;CARS-AS1	-0.2785	-2.14828	0.033101	0.356323
	0.258647	2.145687	0.03331	0.356871
VSTM2L;SRC	-0.19585	-2.14757	0.033158	0.356486
	-0.23953	-2.14346	0.033491	0.35743
FOXF1;FOXL1;FENDRR	0.24459	2.146384	0.033254	0.35681
	0.287665	2.148313	0.033098	0.356323
	0.196205	2.143207	0.033512	0.357472
MRT04	0.146905	2.147627	0.033153	0.356476
PIK3CG	-0.26999	-2.14485	0.033378	0.357073
MND1;TRIM2	-0.32342	-2.14843	0.033089	0.35631
	0.571076	2.115587	0.03583	0.364342
TMC8;TMC6;TNRC6C-AS1	0.229868	2.147883	0.033133	0.356376
	0.285573	2.147489	0.033164	0.356496
	-0.20814	-2.14733	0.033177	0.356545
PACRG	-0.27868	-2.14915	0.03303	0.356033
	0.325841	2.150536	0.032919	0.355706
	-0.25797	-2.14721	0.033187	0.356575
	0.153924	2.146074	0.033279	0.356871
	-0.18705	-2.14707	0.033198	0.356599
	0.212364	2.14241	0.033577	0.357584
	-0.19395	-2.14792	0.03313	0.356368
NAT1;PCM1;SLC7A2;ENSG00000253671	-0.19369	-2.14916	0.033029	0.356033
	0.251512	2.147506	0.033163	0.356494
	0.183444	2.146502	0.033244	0.356764
	-0.12924	-2.14099	0.033693	0.358042

	-0.17455	-2.14453	0.033404	0.357192
	-0.16702	-2.14519	0.033351	0.356988
	-0.2316	-2.14588	0.033295	0.356871
	0.148823	2.142625	0.033559	0.357569
	-0.16711	-2.14804	0.033119	0.356352
SMG5	-0.20878	-2.14526	0.033345	0.356988
ZDHC14;EZR;DYNLT1;SYTL3	-0.37296	-2.14643	0.03325	0.356786
MANF	0.142778	2.14614	0.033274	0.356871
FBXW12	0.298323	2.140904	0.0337	0.358046
	-0.16763	-2.14781	0.033138	0.356394
	-0.20549	-2.1457	0.033309	0.356871
	0.284162	2.142053	0.033606	0.3577
	-0.23905	-2.14402	0.033445	0.357357
	0.225366	2.143938	0.033452	0.357357
ITGB7;KRT121P	0.26988	2.150508	0.032921	0.355706
	-0.20446	-2.14905	0.033038	0.356082
	0.114273	2.145789	0.033302	0.356871
	0.336512	2.147182	0.033189	0.356575
	-0.19557	-2.14266	0.033556	0.357569
AP1M2;KANK2;ZNF440	0.191253	2.143671	0.033474	0.357389
	0.300057	2.143779	0.033465	0.357367
LRRC27;TTC40;INPP5A;KNDC1	-0.54423	-2.14531	0.033341	0.356988
	-0.47435	-2.13677	0.034041	0.359288
WDR27	-0.21729	-2.14701	0.033203	0.356613
	0.279532	2.146027	0.033283	0.356871
CCDC24;PTPRF;SLC6A9;KDM4A;TCTEX1D4;WDR65	0.279973	2.148311	0.033098	0.356323
PLCG2;ENSG00000260682	-0.3381	-2.14641	0.033252	0.356798
	0.207141	2.146668	0.033231	0.356743
	0.25719	2.147463	0.033167	0.356501
	0.233631	2.142713	0.033552	0.357569
	0.241966	2.13779	0.033956	0.358967
PLBD2;IQCD	-0.25399	-2.14092	0.033699	0.358046
	0.197548	2.140893	0.033701	0.358046
	-0.14823	-2.13864	0.033886	0.358658
	0.224281	2.142906	0.033536	0.357558
	0.291616	2.149142	0.033031	0.356033
	0.23239	2.145802	0.033301	0.356871
GALNT6;SLC4A8;RARG;BIN2;OR7E47P;KRT4;IGFBP6;KRT5;TENC				
1	-0.30495	-2.14824	0.033104	0.356325
	-0.29092	-2.14801	0.033122	0.356352
CCDC135;CCDC113;ENSG00000260467;ENSG00000260438;KA				
TNB1;PRSS54;C16orf80	-0.21436	-2.14144	0.033656	0.357872
	-0.13627	-2.14491	0.033373	0.357047
	-0.26598	-2.14437	0.033417	0.357237
	0.268457	2.146097	0.033277	0.356871
	-0.15123	-2.14373	0.03347	0.357376
IQCE;PSMG3-AS1;TMEM184A;GNA12;CARD11	0.259087	2.138723	0.033879	0.358658

	0.11772	2.142769	0.033548	0.357569
	0.102559	2.144882	0.033376	0.35706
	-0.21798	-2.14518	0.033351	0.356988
	0.227684	2.136823	0.034036	0.359286
	-0.28471	-2.14178	0.033629	0.357799
	0.421357	2.1451	0.033358	0.357041
	-0.17884	-2.13814	0.033927	0.358845
	0.172272	2.142873	0.033539	0.357558
	-0.16336	-2.14535	0.033337	0.356975
	0.237126	2.131542	0.034475	0.36028
	0.179791	2.145869	0.033295	0.356871
	0.279387	2.146741	0.033225	0.356729
	-0.24024	-2.13554	0.034142	0.359441
	0.270604	2.145666	0.033312	0.356871
GCDH;ZNF20	0.250494	2.140611	0.033724	0.358126
DNAJA3	-0.23482	-2.14594	0.03329	0.356871
	-0.23555	-2.14608	0.033278	0.356871
	0.248872	2.146446	0.033249	0.356784
	-0.37194	-2.14652	0.033243	0.356764
METTL2B	0.157643	2.145814	0.0333	0.356871
	0.407436	2.144854	0.033378	0.357073
	0.245975	2.144279	0.033425	0.357264
	0.148957	2.143153	0.033516	0.357501
	0.204614	2.143722	0.03347	0.357376
	-0.1853	-2.14446	0.03341	0.35722
	-0.22606	-2.14608	0.033278	0.356871
	0.117098	2.146694	0.033229	0.356739
	-0.16127	-2.14203	0.033608	0.357712
SLC12A1	0.267888	2.141524	0.033649	0.357845
	-0.21203	-2.14195	0.033614	0.357725
	0.137709	2.139561	0.03381	0.358411
HLA-F	0.113087	2.14481	0.033381	0.357077
	0.173529	2.143793	0.033464	0.357364
CSPP1;MCMDC2;PPP1R42;TRIM55;ENSG00000253223;ENSG0000246145;TCF24;DNAJC5B	-0.25026	-2.14225	0.03359	0.35763
BPNT1	0.3098	2.144691	0.033391	0.357119
	0.155698	2.148028	0.033121	0.356352
	0.156245	2.143503	0.033488	0.35743
TMEM200B	0.105986	2.140543	0.03373	0.358126
ENSG00000254290;ENSG00000254111;ENSG00000253161;ENSG00000253414;GPR124	-0.171	-2.14112	0.033682	0.358009
	0.223827	2.140362	0.033745	0.358177
	0.135583	2.146864	0.033215	0.35668
	0.299077	2.144025	0.033445	0.357357
MMRN2;GLUD1;SNCG	0.200942	2.138629	0.033887	0.358658
GVINP1	-0.30588	-2.14477	0.033384	0.357083
	-0.28706	-2.14563	0.033315	0.356871

FBXL13;LRWD1;DPY19L2P2;ORAI2;LRRC17	-0.24275	-2.13955	0.033811	0.358411
TCF3;ZNF57	-0.29194	-2.14398	0.033449	0.357357
	0.288144	2.143383	0.033498	0.35743
GFRA2;CCAR2;DOK2;PIWIL2;POLR3D	0.263717	2.142994	0.033529	0.357524
TCN1	-0.25166	-2.13681	0.034037	0.359288
TAL1;TSPAN1;STIL;CMPK1	-0.33203	-2.14392	0.033453	0.357357
	0.217907	2.144926	0.033372	0.357047
WFDC6	0.19809	2.136164	0.03409	0.359408
	-0.1497	-2.14087	0.033703	0.358046
	-0.12558	-2.14514	0.033355	0.357016
SH3BP5;FGD5;OXNAD1	0.217574	2.142628	0.033559	0.357569
	-0.32824	-2.14441	0.033414	0.357231
	-0.1661	-2.14383	0.033461	0.357364
	-0.19968	-2.1481	0.033115	0.356352
	0.270935	2.146132	0.033274	0.356871
	-0.1919	-2.14406	0.033442	0.357357
NKD1;ZNF423;ENSG00000260029;ENSG00000261685	0.267895	2.131867	0.034447	0.360269
	0.109534	2.141567	0.033646	0.357823
	-0.21638	-2.14535	0.033337	0.356975
	0.139718	2.145261	0.033345	0.356988
	0.2021	2.143539	0.033485	0.35743
	0.206218	2.137528	0.033978	0.359017
CLDN5	-0.2128	-2.14249	0.033571	0.357569
	-0.25529	-2.14561	0.033316	0.356871
	-0.14213	-2.13906	0.033851	0.358534
	-0.12812	-2.13747	0.033982	0.359048
GIPR	-0.28627	-2.14249	0.03357	0.357569
	0.121858	2.141222	0.033674	0.357977
MLLT4;SMOC2;THBS2	-0.19443	-2.13564	0.034134	0.359441
	-0.19989	-2.14564	0.033314	0.356871
	-0.17161	-2.14306	0.033524	0.357524
SLC52A2	0.150489	2.139537	0.033812	0.358411
	-0.31378	-2.14602	0.033283	0.356871
MCTP1;RHOBTB3	0.314905	2.142305	0.033586	0.357606
	-0.22353	-2.14687	0.033214	0.35668
	-0.20531	-2.14245	0.033573	0.357579
	-0.37712	-2.14413	0.033436	0.357337
	-0.23507	-2.14491	0.033374	0.357047
	0.344404	2.142804	0.033545	0.357558
	0.253683	2.1489	0.033051	0.356141
	0.138657	2.145414	0.033332	0.356955
NFIA	0.271042	2.146202	0.033268	0.356871
	-0.19158	-2.14074	0.033714	0.358105
	-0.28384	-2.14498	0.033367	0.357047
	-0.22863	-2.14174	0.033631	0.357807
	0.129284	2.138086	0.033932	0.358848
PML;ARID3B	-0.22786	-2.14718	0.033189	0.356575

YIF1A	-0.23467	-2.14303	0.033527	0.357524
TMC8;CBX2;C1QTNF1;ENSG00000178404;TNRC6C;TIMP2;ENS				
G00000267491;USP36;TMC6	-0.26908	-2.14627	0.033263	0.35686
ENSG00000235337;ENSG00000239498;EPHA4;ENSG00000236				
451	-0.31562	-2.14479	0.033383	0.357077
	0.298396	2.14395	0.033451	0.357357
XRCC1	0.161929	2.1428	0.033545	0.357558
	-0.22045	-2.14184	0.033624	0.357788
	0.147176	2.140499	0.033733	0.358126
	-0.23251	-2.14403	0.033445	0.357357
SLC25A45	0.152179	2.142837	0.033542	0.357558
KAZN;DNAJC16;FBLIM1	-0.21885	-2.14211	0.033602	0.357683
	0.204942	2.147878	0.033133	0.356376
IL32;CCDC64B;HS3ST6;ENSG00000205890;PRSS22	-0.36985	-2.14433	0.033421	0.357246
	-0.2193	-2.13827	0.033916	0.358822
OARD1;TRERF1	0.244696	2.147817	0.033138	0.356394
	-0.24343	-2.14267	0.033556	0.357569
CLUAP1;MSRB1;ENSG00000272079;FLYWCH1;ZNF263;ENSG00				
000205890;PDPK1;HCFC1R1;HAGH;CREBBP	0.196935	2.13432	0.034243	0.359665
ADAD2;KIAA0513;FAM92B;COTL1;USP10	0.256862	2.136619	0.034053	0.359297
	0.223332	2.139676	0.033801	0.358411
	0.196743	2.143355	0.0335	0.35743
	0.259913	2.146295	0.033261	0.35686
NAP1L4;IGF2	0.176902	2.147386	0.033173	0.356526
FAM83H-AS1;FAM83H	-0.31185	-2.14614	0.033273	0.356871
	-0.20129	-2.14737	0.033174	0.35653
	-0.33493	-2.14442	0.033413	0.357226
ENSG00000272374;ANKS1A;TCP11;DEF6;SCUBE3	-0.19263	-2.1357	0.034129	0.359441
	0.159804	2.139782	0.033792	0.358368
	-0.13281	-2.14036	0.033745	0.358177
EFCAB1	0.134123	2.143466	0.033491	0.35743
	0.314494	2.138599	0.033889	0.358658
TBC1D4;LMO7	-0.32821	-2.13764	0.033969	0.358996
	-0.14343	-2.14385	0.03346	0.357364
INPP5D	0.249473	2.138959	0.03386	0.358578
	-0.26565	-2.1439	0.033456	0.357364
	0.260818	2.143712	0.033471	0.357376
	-0.23651	-2.13863	0.033887	0.358658
	0.256568	2.142701	0.033553	0.357569
	-0.20688	-2.14168	0.033636	0.357818
RUFY4;WNT10A;STK36;CCDC108;TTLL4	0.215843	2.143851	0.033459	0.357364
	-0.16757	-2.14344	0.033493	0.35743
	0.173306	2.140971	0.033695	0.358045
	0.262718	2.134623	0.034218	0.359609
	0.256472	2.147234	0.033185	0.356574
SLC43A2;ENSG00000262133	-0.25263	-2.13579	0.034121	0.359436

C1QTNF1;CBX2;TNRC6C;TIMP2;ENSG00000178404;CYTH1	-0.30692	-2.13344	0.034316	0.359914
	0.402087	2.143459	0.033491	0.35743
	0.265149	2.144034	0.033445	0.357357
ENSG00000260285;MOK;ENSG00000259508	-0.23072	-2.14458	0.0334	0.357177
CCDC81	-0.2921	-2.1385	0.033898	0.358676
	-0.24474	-2.14618	0.03327	0.356871
	-0.21911	-2.14015	0.033762	0.358263
	-0.14743	-2.14156	0.033646	0.357823
	-0.28614	-2.14171	0.033634	0.357811
	0.22036	2.144974	0.033368	0.357047
ADORA2B;PMP22;TRPV2;ZSWIM7	-0.25732	-2.13921	0.033839	0.358484
	0.210783	2.140804	0.033708	0.358075
TMEM128;FAM193A	0.245013	2.143377	0.033498	0.35743
SCARB1;ZNF664	-0.21023	-2.14215	0.033598	0.35767
	0.349272	2.144927	0.033372	0.357047
MIR4664;FAM83H-AS1	-0.20486	-2.1418	0.033627	0.357795
	0.151531	2.141681	0.033636	0.357818
	0.180763	2.141733	0.033632	0.357807
	-0.31151	-2.13879	0.033874	0.358638
	0.190451	2.141225	0.033674	0.357977
	0.142417	2.140041	0.033771	0.358276
KPNA3	0.187878	2.144385	0.033416	0.357233
	0.19399	2.141189	0.033677	0.357989
	0.189472	2.142499	0.03357	0.357569
RUNX1	-0.28942	-2.14443	0.033412	0.357226
	-0.14595	-2.14409	0.03344	0.357351
	0.125707	2.137062	0.034016	0.359205
	0.212255	2.144462	0.03341	0.35722
	-0.16685	-2.13947	0.033817	0.358411
	-0.31163	-2.14372	0.03347	0.357376
MACF1;MEAF6;RSPO1;MTF1;MYCBP;DNALI1;ENSG0000022459				
2	-0.26574	-2.14088	0.033702	0.358046
MIEN1;IGFBP4	0.236583	2.142425	0.033576	0.357581
	0.345083	2.145062	0.033361	0.357047
KLRG1;CLEC2D;ENSG00000213443;ENSG00000257027;ENSGO				
0000256937	0.414244	2.146281	0.033262	0.35686
	0.196514	2.139173	0.033842	0.358484
	0.09656	2.143238	0.033509	0.357462
	-0.1316	-2.14146	0.033654	0.357869
LIX1L;CHD1L;ITGA10;PDIA3P1	0.154429	2.138012	0.033938	0.35888
	0.24304	2.143624	0.033478	0.357403
	-0.20755	-2.13513	0.034176	0.359495
	0.233913	2.140539	0.03373	0.358126
HSPA12B	-0.30771	-2.14269	0.033554	0.357569
	0.343129	2.145642	0.033314	0.356871
EPHX1	0.26624	2.138036	0.033936	0.358868

	0.197371	2.1465	0.033244	0.356764
	-0.22941	-2.1369	0.034029	0.359242
TMEM173	-0.15801	-2.14146	0.033655	0.357869
	0.157229	2.143079	0.033522	0.357524
AIM1L;TRNP1;SFN	-0.23797	-2.1386	0.033889	0.358658
LAMB2;BSN;QARS;GPX1;AMT;APEH;IP6K2	-0.23019	-2.14507	0.03336	0.357047
ABHD17C;C15orf26;ENSG00000259594	0.276597	2.135693	0.034129	0.359441
	0.229441	2.145564	0.03332	0.356897
ENSG00000188242;SLC9A3;PDCD6;ENSG00000225138;LPCAT1	0.194256	2.138551	0.033893	0.358672
	-0.18779	-2.1401	0.033766	0.358263
RC3H2	0.303651	2.147059	0.033199	0.356599
	-0.25691	-2.14338	0.033498	0.35743
	0.21218	2.140089	0.033767	0.358263
	-0.15631	-2.14499	0.033367	0.357047
	0.297155	2.144132	0.033437	0.357337
	-0.32892	-2.14371	0.033471	0.357376
	0.189139	2.135726	0.034127	0.359441
DENND3	0.179562	2.13817	0.033925	0.358845
	0.30509	2.140913	0.033699	0.358046
	-0.26014	-2.14302	0.033527	0.357524
SNRNP25;NME4;SOX8;RAB11FIP3;NPRL3;ENSG00000260807;RGS11	-0.50861	-2.14461	0.033398	0.357171
	0.295603	2.146469	0.033247	0.356782
	0.173661	2.14281	0.033544	0.357558
	-0.1789	-2.13249	0.034395	0.360143
ACAP1;ELP5;XAF1	-0.30056	-2.14596	0.033288	0.356871
IQCA1;RPL3P5	-0.31549	-2.13856	0.033892	0.358672
	-0.2173	-2.14368	0.033473	0.357389
	-0.29566	-2.14068	0.033719	0.358126
GPR133	0.263178	2.143032	0.033526	0.357524
PLAU;ENSG00000272140	-0.20129	-2.13937	0.033826	0.358411
	-0.18154	-2.14105	0.033688	0.358035
	-0.16993	-2.14501	0.033365	0.357047
C1QTNF1;ENSG00000178404;TIMP2;USP36;TNRC6C-AS1;TNRC6C	0.238685	2.138546	0.033894	0.358672
TTC39A;DMRTA2	0.2125	2.142932	0.033534	0.357551
	0.150245	2.142509	0.033569	0.357569
	-0.16881	-2.14421	0.033431	0.357308
IKZF1;DDC	0.32842	2.144452	0.033411	0.35722
	0.227312	2.140817	0.033707	0.358072
SGPP2	0.324292	2.137944	0.033943	0.358912
ENSG00000225265	0.226355	2.13425	0.034249	0.35968
TRAF3;C14orf2	-0.21276	-2.14574	0.033306	0.356871
PWAR6	0.257352	2.136583	0.034056	0.359297
	0.179453	2.143369	0.033499	0.35743
TMC8;TMC6	0.346535	2.144936	0.033371	0.357047

	0.214263	2.141595	0.033644	0.357822
	0.158664	2.142627	0.033559	0.357569
TMEM255B	-0.35647	-2.14343	0.033494	0.35743
ECHS1	0.206284	2.14264	0.033558	0.357569
	0.18641	2.133161	0.03434	0.359943
	0.187344	2.143885	0.033457	0.357364
	0.218894	2.142076	0.033604	0.357689
	-0.14639	-2.14028	0.033751	0.358224
	0.19859	2.134697	0.034212	0.359609
	-0.20567	-2.14197	0.033613	0.357725
FGFR4;DBN1;ARL10;PDLIM7;RGS14;GRK6	0.250518	2.140132	0.033763	0.358263
MLKL;ENSG00000203472;CHST6;ENSG00000262583;CFDP1	-0.31244	-2.13676	0.034041	0.359288
	0.25839	2.139449	0.03382	0.358411
	0.200042	2.14459	0.033399	0.357177
	0.20734	2.140619	0.033723	0.358126
	-0.12391	-2.13509	0.034179	0.359495
	0.238996	2.144231	0.033429	0.357296
VPS28	0.232972	2.136088	0.034097	0.359408
RERE;ENSG00000232912;ENSG00000270282	0.209424	2.144277	0.033425	0.357264
	0.277411	2.137728	0.033961	0.358967
	0.238656	2.138172	0.033925	0.358845
	-0.15995	-2.14092	0.033699	0.358046
	-0.15369	-2.14018	0.03376	0.358263
	0.235687	2.139185	0.033841	0.358484
	0.192538	2.137461	0.033983	0.359048
	0.221588	2.143057	0.033524	0.357524
	0.229269	2.143234	0.03351	0.357462
SHANK2;MRGPRF	-0.46717	-2.13875	0.033877	0.358657
	0.176381	2.145217	0.033348	0.356988
	-0.19747	-2.1394	0.033824	0.358411
	0.278629	2.142369	0.03358	0.357584
	0.249406	2.143727	0.03347	0.357376
	0.251626	2.144791	0.033383	0.357077
	0.155981	2.138109	0.03393	0.358848
MDGA1	0.184628	2.144455	0.03341	0.35722
	0.26384	2.140717	0.033715	0.358114
RARRES3;C11orf95	0.182417	2.141962	0.033614	0.357725
	0.235743	2.141902	0.033618	0.35776
	-0.19719	-2.14208	0.033604	0.357689
	-0.11551	-2.14384	0.033461	0.357364
SEPT7P6	0.272522	2.142977	0.033531	0.357529
AIF1L;PPAPDC3	0.273329	2.139825	0.033789	0.358357
	0.15315	2.144836	0.033379	0.357073
	0.14862	2.138976	0.033858	0.358577
	0.199386	2.142577	0.033563	0.357569
MRPL14;MRPS18A;SLC29A1;POLR1C	-0.24177	-2.13988	0.033784	0.358333



TRIM16L;TVP23B;PRPSAP2;ALDH3A1;B9D1;FOXO3B;ULK2 FMNL3;SPATS2	-0.26175	-2.13437	0.034239	0.359665
	0.165173	2.141518	0.03365	0.357845
	-0.15771	-2.1387	0.033881	0.358658
	0.204524	2.139898	0.033783	0.358333
C14orf142	0.211243	2.140539	0.03373	0.358126
	-0.19648	-2.14161	0.033643	0.357822
	0.215205	2.140401	0.033741	0.35816
	0.177995	2.140347	0.033746	0.358179
TIGD4;ENSG00000248571	-0.24002	-2.1428	0.033545	0.357558
	-0.24801	-2.14085	0.033704	0.358051
	0.283127	2.143368	0.033499	0.35743
PDCD6;ENSG00000188242;TPPP	-0.4524	-2.13692	0.034028	0.359242
	-0.18675	-2.13959	0.033808	0.358411
	0.226357	2.143316	0.033503	0.357432
	0.317853	2.142569	0.033564	0.357569
	-0.17156	-2.13763	0.033969	0.358996
	-0.17159	-2.1428	0.033545	0.357558
	0.236148	2.142575	0.033563	0.357569
DUS1L	-0.31619	-2.14284	0.033542	0.357558
	0.461266	2.138752	0.033877	0.358657
	0.165983	2.139603	0.033807	0.358411
SCARNA5;SCARNA6;EIF4E2;INPP5D	-0.15037	-2.14017	0.033761	0.358263
	0.18066	2.140988	0.033693	0.358042
	0.201846	2.144524	0.033405	0.357193
	-0.35704	-2.14345	0.033492	0.35743
	-0.15386	-2.1406	0.033725	0.358126
	-0.25176	-2.14137	0.033662	0.357917
PCBD2;TCF7	0.256832	2.141032	0.03369	0.358035
	0.298427	2.138508	0.033897	0.358676
	-0.26323	-2.14285	0.033541	0.357558
CLDN5;DGCR6	-0.24588	-2.13651	0.034062	0.359298
	0.208292	2.139887	0.033783	0.358333
	0.343342	2.143152	0.033516	0.357501
	0.194502	2.142149	0.033598	0.35767
ACACB;ARPC3;MMAB;ATP2A2;FOXN4;ENSG00000256139;GPN 3	-0.31652	-2.13943	0.033821	0.358411
	0.17616	2.142376	0.03358	0.357584
ARL10	0.30197	2.143118	0.033519	0.357514
	-0.15062	-2.13639	0.034071	0.3593
	-0.18162	-2.13522	0.034169	0.359495
	0.227242	2.140485	0.033734	0.35813
	-0.12605	-2.13859	0.03389	0.358658
	-0.13857	-2.1382	0.033923	0.358845
	-0.22905	-2.1418	0.033627	0.357795
	0.137726	2.142645	0.033558	0.357569
SACS;MIPEP;SPATA13;PARP4;ENSG00000228741	-0.25152	-2.13732	0.033995	0.359129

KAZN;ENSG00000224621;EPHA2	0.155297	2.140505	0.033733	0.358126
	-0.27715	-2.14158	0.033644	0.357822
	-0.30997	-2.14394	0.033452	0.357357
	-0.33656	-2.13975	0.033795	0.358387
	0.292369	2.141655	0.033639	0.35782
PLA2G4A	-0.2014	-2.13653	0.03406	0.359298
	0.289411	2.141068	0.033687	0.358035
	-0.29022	-2.14346	0.033492	0.35743
	0.263909	2.137599	0.033972	0.358999
	0.264996	2.138808	0.033872	0.358629
SYNPO;PDGFRB;HMGXB3;ANXA6	0.288821	2.139656	0.033802	0.358411
	0.235875	2.142997	0.033529	0.357524
	0.131647	2.14359	0.033481	0.357416
	0.277032	2.143624	0.033478	0.357403
	0.283635	2.141994	0.033611	0.357725
DDR1;PPP1R18	0.198177	2.139502	0.033815	0.358411
	-0.33262	-2.13768	0.033965	0.358988
	0.214251	2.140653	0.033721	0.358126
	0.272538	2.143312	0.033503	0.357432
	0.23674	2.140088	0.033767	0.358263
MTF2;ENSG00000235501	-0.15286	-2.13567	0.034131	0.359441
	-0.26609	-2.14047	0.033736	0.358132
	0.150568	2.140557	0.033729	0.358126
	0.277105	2.144557	0.033402	0.357184
	-0.28389	-2.14161	0.033643	0.357822
HTRA3;AFAP1	0.25028	2.140085	0.033767	0.358263
	0.265399	2.142936	0.033534	0.357551
	0.263627	2.141334	0.033665	0.357942
	-0.19357	-2.14299	0.033529	0.357524
	-0.27137	-2.14263	0.033559	0.357569
RNF166;CYBA;SNAI3	0.178527	2.137215	0.034004	0.359157
	-0.17898	-2.14185	0.033622	0.357788
	-0.21021	-2.13586	0.034116	0.359436
	-0.23017	-2.13897	0.033859	0.358577
	-0.17719	-2.13679	0.034038	0.359288
TUBB;ABCF1;TCF19	-0.31485	-2.14098	0.033694	0.358042
	-0.15179	-2.1404	0.033741	0.35816
	0.225206	2.14043	0.033739	0.35816
	0.215201	2.141299	0.033668	0.357958
	-0.2921	-2.14087	0.033703	0.358046
HILPDA	0.228897	2.138898	0.033865	0.358587
	-0.24805	-2.1433	0.033504	0.357432
	0.228569	2.143292	0.033505	0.357433
	-0.24474	-2.1413	0.033668	0.357958
	-0.20096	-2.14342	0.033495	0.35743
ENTPD1;SORBS1;PDLIM1;PLCE1	-0.22496	-2.1399	0.033783	0.358333
	0.193841	2.140199	0.033758	0.358258
CHCHD4				
COL13A1;PALD1;PRF1				
USP48				

CACNA1H;RGS11;UBE2I	-0.2669	-2.13529	0.034163	0.359495
	0.30642	2.140688	0.033718	0.358126
	0.232662	2.139537	0.033812	0.358411
	-0.17581	-2.14015	0.033762	0.358263
SDHA	0.200559	2.141175	0.033678	0.357989
ENSG00000236548	-0.27222	-2.13847	0.0339	0.35869
	-0.23885	-2.13656	0.034058	0.359297
	-0.18882	-2.13934	0.033829	0.358425
	-0.18879	-2.14211	0.033602	0.357683
TEAD2;VRK3;HRC	0.271397	2.127153	0.034843	0.361368
	0.286682	2.142681	0.033555	0.357569
	-0.22291	-2.14184	0.033624	0.357788
	-0.14117	-2.1421	0.033602	0.357683
RPS3AP25	-0.25315	-2.14164	0.03364	0.35782
	0.288306	2.135005	0.034186	0.359533
	0.221938	2.145181	0.033351	0.356988
	-0.20113	-2.14125	0.033672	0.357977
WNT5A	0.251375	2.142993	0.033529	0.357524
	0.198951	2.141639	0.03364	0.35782
CDIP1;GLIS2;ROGDI;GLYR1;SEC14L5;SRL;C16orf71	-0.24747	-2.1425	0.03357	0.357569
	-0.51292	-2.14008	0.033768	0.358263
STMND1	0.368339	2.139172	0.033842	0.358484
	-0.25111	-2.13552	0.034143	0.359441
SKI	0.193267	2.137663	0.033966	0.358988
	-0.25351	-2.12755	0.034809	0.361216
	0.236297	2.135261	0.034165	0.359495
	-0.14582	-2.14057	0.033728	0.358126
	0.251799	2.141049	0.033688	0.358035
	0.243141	2.142169	0.033597	0.35767
	0.272407	2.138412	0.033905	0.358726
	0.141571	2.136108	0.034095	0.359408
	0.170284	2.139597	0.033807	0.358411
	-0.20011	-2.14102	0.03369	0.358035
	0.243064	2.139381	0.033825	0.358411
	0.317979	2.139515	0.033814	0.358411
	0.211485	2.137059	0.034016	0.359205
CARS;NAP1L4;TSPAN32;IGF2;TSSC2;OSBPL5;MRPL23;CDKN1C; CD81;C11orf21	-0.27726	-2.13605	0.0341	0.359408
NRROS;SLC51A;MUC4	-0.43811	-2.1298	0.034621	0.360747
	0.228276	2.135165	0.034173	0.359495
COL13A1;PALD1	0.214096	2.142727	0.033551	0.357569
	0.262656	2.139377	0.033825	0.358411
	0.223594	2.142498	0.03357	0.357569
	-0.27346	-2.13491	0.034194	0.359572
	0.212168	2.136265	0.034082	0.359361
	-0.35946	-2.14253	0.033567	0.357569
	0.267961	2.142357	0.033581	0.357584

	-0.20941	-2.13751	0.03398	0.359028
	0.271001	2.136901	0.034029	0.359242
	-0.21093	-2.14216	0.033597	0.35767
PSMB9;PSMB8;HLA-DMB;HLA-DRA;HLA-DMA	0.146401	2.140057	0.03377	0.358271
	0.16085	2.133158	0.03434	0.359943
	0.14157	2.13949	0.033816	0.358411
FLT4;ADAMTS2	-0.32563	-2.14255	0.033566	0.357569
	0.261207	2.136458	0.034066	0.3593
AHNAK2	0.335563	2.136603	0.034054	0.359297
	0.214748	2.135453	0.034149	0.359441
	-0.24479	-2.13224	0.034416	0.360229
	0.179211	2.13656	0.034058	0.359297
SETMAR	-0.31398	-2.13574	0.034126	0.359441
	0.202749	2.138928	0.033862	0.358578
	-0.23898	-2.13927	0.033834	0.358469
SERPINA1	-0.2983	-2.1396	0.033807	0.358411
TRIM21	0.280244	2.141159	0.033679	0.357989
	0.240714	2.135787	0.034122	0.359436
	0.131484	2.13622	0.034086	0.359386
RALGPS2;SOAT1;TOR3A;AXDND1	-0.35217	-2.1385	0.033897	0.358676
	-0.1986	-2.13613	0.034093	0.359408
NUMA1	0.230881	2.13603	0.034101	0.35941
NDST1;PDGFRB;MYOZ3;SYNPO;ANXA6;CSNK1A1	-0.2687	-2.13495	0.034191	0.359568
	-0.17939	-2.13912	0.033846	0.358499
	0.198932	2.138615	0.033888	0.358658
	-0.21601	-2.1337	0.034294	0.359838
PCED1B;PCED1B-AS1	0.40802	2.143464	0.033491	0.35743
MTSS1L	-0.2867	-2.13612	0.034094	0.359408
	0.180169	2.136439	0.034068	0.3593
	0.184502	2.141671	0.033637	0.357819
ADAMTSL5;MISP	-0.28238	-2.1416	0.033643	0.357822
FKBP4;TULP3	-0.26319	-2.14238	0.033579	0.357584
	-0.25598	-2.14019	0.033758	0.358258
ATP6V1D	-0.26539	-2.14244	0.033575	0.357581
	-0.19524	-2.13408	0.034263	0.359714
	0.141314	2.143977	0.033449	0.357357
	0.226473	2.141025	0.03369	0.358035
	-0.18974	-2.13183	0.034451	0.360269
	0.288333	2.14027	0.033752	0.358228
	-0.23722	-2.14041	0.03374	0.35816
FER1L6	0.227225	2.139401	0.033823	0.358411
ETV6	-0.23636	-2.13367	0.034297	0.359844
	0.264617	2.137263	0.033999	0.359135
	0.129863	2.141158	0.033679	0.357989
	-0.26201	-2.13703	0.034019	0.359216
	-0.17577	-2.13937	0.033826	0.358411
	0.17535	2.142165	0.033597	0.35767

SIX1;MNAT1;SIX4;PRKCH;PCNXL4;TMEM30B TIPARP;KCNAB1;LEKR1;LINC00886	-0.16264	-2.13689	0.03403	0.359242
	-0.19771	-2.14054	0.03373	0.358126
	0.318537	2.137866	0.03395	0.358963
	-0.3708	-2.13541	0.034153	0.35945
ENSG00000242119;P2RY14	-0.23449	-2.13174	0.034458	0.360269
	0.322236	2.135524	0.034143	0.359441
TTC30B;OSBPL6;TTC30A;TTN PDE6B;ENSG00000273179;ZNF876P;ENSG00000272927	-0.20578	-2.13785	0.033951	0.358967
	-0.34217	-2.13641	0.03407	0.3593
	-0.19542	-2.13761	0.033971	0.358999
	0.216722	2.136671	0.034048	0.359288
ENSG00000254561;C2CD2L;PDZD3;USP2;USP2- AS1;KMT2A;IFT46;MCAM;PHLDB1;CBL;CCDC153	0.222357	2.141968	0.033613	0.357725
	-0.14572	-2.13049	0.034563	0.36052
	0.138405	2.138198	0.033922	0.358845
	0.220611	2.13667	0.034048	0.359288
TYR;GRM5 SLC38A6;PCNXL4;LRRC9;ENSG00000258553;SIX4	0.148021	2.135119	0.034177	0.359495
	0.183551	2.13656	0.034058	0.359297
	-0.36569	-2.13173	0.034459	0.360269
	-0.26481	-2.13279	0.034371	0.360026
MSI2;MRPS23;COIL;VEZF1;SCPEP1;DGKE;ENSG00000263004	-0.31658	-2.13645	0.034067	0.3593
	0.298465	2.141084	0.033685	0.358035
	0.200205	2.133099	0.034345	0.359972
	0.157188	2.137048	0.034017	0.359205
BCL11B;EVL ABHD12B;CDKL1;ATP5S;FRMD6;NIN;PYGL;ENSG00000259071; ENSG00000258946;C14orf182	0.20102	2.136648	0.03405	0.359297
	-0.22514	-2.13284	0.034367	0.360015
	-0.16453	-2.14117	0.033678	0.357989
	0.18858	2.137004	0.034021	0.359225
EID2B;PLEKHG2	0.205822	2.133385	0.034321	0.359914
	-0.4073	-2.13923	0.033838	0.358484
	-0.39994	-2.14093	0.033698	0.358046
	0.279928	2.141725	0.033633	0.357807
BCL11B;EVL ABHD12B;CDKL1;ATP5S;FRMD6;NIN;PYGL;ENSG00000259071; ENSG00000258946;C14orf182	0.368132	2.132813	0.034369	0.360015
	0.25334	2.139614	0.033806	0.358411
	-0.50413	-2.14124	0.033672	0.357977
	0.201134	2.137532	0.033977	0.359017
EID2B;PLEKHG2	-0.16678	-2.13713	0.034011	0.359199
	0.250738	2.140018	0.033773	0.358278
	-0.37137	-2.13674	0.034042	0.359288
	-0.18946	-2.13884	0.033869	0.358609
EID2B;PLEKHG2	-0.31075	-2.13939	0.033824	0.358411
	-0.18765	-2.14245	0.033574	0.357579
	0.201393	2.139467	0.033818	0.358411
	0.234715	2.134879	0.034197	0.359573
EID2B;PLEKHG2	0.263227	2.141967	0.033613	0.357725
	-0.21038	-2.13914	0.033845	0.358499

HES2;CAMTA1

DZIP1L;NME9;FAIM

SH2D3C

RNU12

USP43

0.214473	2.135568	0.03414	0.359441
0.273203	2.14179	0.033628	0.357795
-0.21543	-2.14095	0.033696	0.358046
0.229874	2.138914	0.033863	0.358582
-0.3255	-2.13822	0.03392	0.358845
-0.16189	-2.13546	0.034149	0.359441
0.23925	2.136111	0.034095	0.359408
0.255723	2.130062	0.034598	0.360682
-0.20622	-2.14002	0.033773	0.358278
0.199529	2.142343	0.033582	0.357584
-0.19087	-2.13541	0.034153	0.35945
0.20965	2.133254	0.034332	0.359914
0.13369	2.139051	0.033852	0.358534
-0.23262	-2.13951	0.033815	0.358411
-0.14815	-2.13986	0.033786	0.358346
0.214494	2.135797	0.034121	0.359436
0.207154	2.133505	0.034311	0.359908
0.211971	2.140601	0.033725	0.358126
0.204193	2.138843	0.033869	0.358609
0.221436	2.140079	0.033768	0.358263
-0.1898	-2.13723	0.034002	0.359154
0.338462	2.136053	0.0341	0.359408
0.215817	2.13983	0.033788	0.358357
-0.29198	-2.12883	0.034702	0.360932
-0.26843	-2.1394	0.033823	0.358411
0.142507	2.136738	0.034043	0.359288
0.281639	2.134245	0.034249	0.35968
-0.12301	-2.13483	0.034201	0.359573
0.266857	2.139458	0.033819	0.358411
-0.57769	-2.13651	0.034061	0.359298
0.213996	2.140245	0.033754	0.358233
0.569479	2.136602	0.034054	0.359297
-0.16649	-2.13589	0.034113	0.359436
-0.21133	-2.12897	0.03469	0.360911
-0.20788	-2.13929	0.033833	0.358463
0.212376	2.134484	0.03423	0.359665
0.246334	2.141484	0.033653	0.357865
0.175577	2.137585	0.033973	0.359003
0.213874	2.13844	0.033902	0.35871
0.265057	2.138156	0.033926	0.358845
0.170479	2.138626	0.033887	0.358658
0.341164	2.137166	0.034007	0.35919
-0.21082	-2.13606	0.034099	0.359408
-0.17934	-2.13527	0.034164	0.359495
0.315616	2.1405	0.033733	0.358126
-0.27841	-2.1355	0.034146	0.359441
-0.21188	-2.13777	0.033958	0.358967

CBS;PDE9A;SLC37A1;CSTB ITGAE;ASPA;P2RX5	0.18689	2.135092	0.034179	0.359495
	-0.41503	-2.13199	0.034437	0.360269
	-0.19363	-2.13546	0.034148	0.359441
	0.139548	2.138126	0.033928	0.358845
	0.17241	2.137869	0.03395	0.358963
	-0.24117	-2.13784	0.033952	0.358967
LTBP2;PGF;MLH3;ELMSAN1;CCDC176;ZC2HC1C;DNAL1;AREL1;I SCA2;FCF1;ENTPD5	0.194698	2.118617	0.035569	0.363593
	0.219853	2.130535	0.034559	0.36052
KIAA0922;TRIM2 FARP1	0.240912	2.132083	0.034429	0.360269
	-0.24792	-2.13631	0.034078	0.35934
	0.158684	2.129004	0.034687	0.360911
	-0.25828	-2.13919	0.03384	0.358484
	0.320067	2.132978	0.034355	0.359991
	-0.25689	-2.13954	0.033812	0.358411
	0.290353	2.138155	0.033926	0.358845
	-0.33713	-2.13796	0.033942	0.358911
HHAT;LINC00467 ENSG00000254111;ENSG00000254290 ARHGEF1;GRIK5;CD79A;CEACAM7;POU2F2;PRX;TGFB1;ENSG00 000267107;ENSG00000269353;ENSG00000268833;SERTAD3;C YP2S1;LTBP4	-0.33338	-2.13699	0.034022	0.359225
	-0.28838	-2.12899	0.034688	0.360911
	0.179053	2.127952	0.034776	0.361108
	-0.19612	-2.13913	0.033846	0.358499
	-0.17287	-2.13353	0.034309	0.359908
	0.19088	2.139918	0.033781	0.358333
	-0.34138	-2.13452	0.034226	0.359645
	0.150242	2.138975	0.033858	0.358577
	0.28575	2.137746	0.03396	0.358967
	0.217101	2.133293	0.034329	0.359914
FKBP10;IGFBP4;KRT23;LEPREL4;STAT5B;HAP1;KAT2A;NT5C3B  KIAA1614;XPR1;MR1 ANKFN1;HLF;STXBP4	-0.2692	-2.13104	0.034517	0.360368
	0.320851	2.13911	0.033847	0.3585
	-0.24663	-2.13813	0.033928	0.358845
ABI3BP	0.224196	2.13761	0.033971	0.358999
	-0.21264	-2.13468	0.034213	0.359609
RNASET2;ENSG00000228648;ENSG00000231720 HMHA1 CDC25B;ADAM33;HSPA12B;NOP56          ZCWPW1	-0.23974	-2.13782	0.033953	0.358967
	-0.27727	-2.13873	0.033879	0.358658
	-0.2611	-2.12879	0.034706	0.360941
	-0.25298	-2.13778	0.033957	0.358967
	0.421184	2.132526	0.034392	0.360132
	-0.14509	-2.13503	0.034184	0.35952
	-0.18322	-2.13808	0.033932	0.358848
	0.252672	2.135615	0.034136	0.359441
	-0.16847	-2.13582	0.034119	0.359436
	0.101046	2.139951	0.033778	0.358327
	0.22706	2.137744	0.03396	0.358967
	-0.31617	-2.13272	0.034377	0.360051

STRA13;ENSG00000262410;ANAPC11	0.159061	2.13575	0.034125	0.359441
	0.129956	2.137452	0.033984	0.359048
DNAAF1;C16orf74;FAM92B;HSDL1;CRISPLD2;KIAA0513;KLHL36	-0.39052	-2.1351	0.034178	0.359495
	0.277072	2.132612	0.034385	0.360103
	0.275852	2.136668	0.034049	0.359288
	-0.1969	-2.13829	0.033915	0.358813
	0.135683	2.134543	0.034225	0.359643
	-0.22944	-2.13686	0.034033	0.359263
	0.117099	2.134877	0.034197	0.359573
	0.251148	2.136627	0.034052	0.359297
	0.26066	2.134744	0.034208	0.359593
	-0.14917	-2.13644	0.034068	0.3593
	-0.34487	-2.13729	0.033997	0.359129
	-0.18505	-2.13419	0.034254	0.359682
	0.274878	2.135531	0.034143	0.359441
	-0.27193	-2.14051	0.033732	0.358126
MRAS	0.178083	2.13517	0.034173	0.359495
NHLRC4;CCDC78;IFT140	0.18331	2.135294	0.034162	0.359495
	0.317238	2.138595	0.03389	0.358658
ARL10 LINC00689;PTPRN2	0.271654	2.139439	0.03382	0.358411
	0.251661	2.135571	0.034139	0.359441
	0.283811	2.139638	0.033804	0.358411
	-0.13432	-2.13463	0.034218	0.359609
	0.177681	2.133245	0.034333	0.359914
	0.203085	2.136459	0.034066	0.3593
	0.254404	2.137664	0.033966	0.358988
	-0.32253	-2.13695	0.034026	0.35924
	0.313387	2.136336	0.034076	0.359329
	0.197841	2.131783	0.034454	0.360269
	-0.16884	-2.13584	0.034117	0.359436
	-0.2453	-2.13188	0.034446	0.360269
	0.248188	2.138936	0.033862	0.358578
	-0.28553	-2.13974	0.033796	0.35839
CXCR6;CCR5;XCR1;CCR2 TRIM16L ENSG00000254153;MFHAS1;TNKS	0.325175	2.140792	0.033709	0.358076
	-0.41349	-2.13054	0.034558	0.36052
	-0.13132	-2.13026	0.034582	0.360571
	0.245766	2.13991	0.033782	0.358333
AMOTL1;PIWIL4	-0.31622	-2.13326	0.034332	0.359914
	-0.27307	-2.13483	0.034201	0.359573
	-0.20675	-2.13239	0.034404	0.360198
RBM33	0.287546	2.13741	0.033987	0.359076
EBF3 TNS1;RQCD1;PNKD;CXCR2;TTLL4;TUBA4B;GLB1L;WNT10A;ZNF142 B4GALNT3;ERC1	-0.21052	-2.13597	0.034106	0.359427
	-0.25556	-2.13124	0.0345	0.360317
	0.293517	2.136912	0.034028	0.359242
	0.215755	2.123967	0.035112	0.362223



NDUFS6	0.207981	2.138038	0.033936	0.358868
	0.2402	2.138123	0.033929	0.358845
	0.114482	2.13726	0.034	0.359135
	0.242958	2.136284	0.03408	0.359357
	0.126347	2.136719	0.034044	0.359288
	0.145995	2.136111	0.034095	0.359408
	0.251108	2.133802	0.034286	0.359809
	-0.15506	-2.13604	0.034101	0.35941
	-0.19091	-2.13599	0.034105	0.359427
ENSG00000263050;SCARF1	-0.30153	-2.12921	0.03467	0.360911
	0.238672	2.134092	0.034262	0.359711
	-0.17295	-2.13955	0.033812	0.358411
	-0.14162	-2.13887	0.033867	0.358599
	0.223706	2.128169	0.034757	0.361088
TRERF1;C6orf132;POLR1C	-0.32236	-2.13435	0.034241	0.359665
	-0.18558	-2.133	0.034353	0.359991
	0.234474	2.132818	0.034368	0.360015
ARHGEF28	-0.22775	-2.13447	0.034231	0.359665
	-0.31731	-2.1381	0.033931	0.358848
	0.201821	2.135056	0.034182	0.359516
CCNJL	0.206177	2.129429	0.034651	0.360826
	0.147551	2.13708	0.034015	0.359204
	-0.17929	-2.13181	0.034452	0.360269
	-0.22083	-2.13756	0.033975	0.359009
	-0.20995	-2.1311	0.034512	0.360368
	-0.14846	-2.13495	0.034191	0.359568
	0.223958	2.135767	0.034123	0.359441
	0.204689	2.139707	0.033798	0.358407
	0.332938	2.125387	0.034992	0.36187
PSMG3;GPR146	0.211473	2.123548	0.035148	0.362404
	0.312986	2.135489	0.034146	0.359441
	0.255215	2.134282	0.034246	0.35968
	0.217103	2.133138	0.034342	0.359952
	0.190498	2.135396	0.034154	0.35945
PDGFB;SUN2;FAM83F;TOMM22;CBX7	-0.24238	-2.1351	0.034179	0.359495
TBC1D8;AFF3;ENSG00000272902	-0.3976	-2.13545	0.034149	0.359441
ENSG00000264198;IKZF3;ERBB2	0.242891	2.135037	0.034184	0.35952
	-0.28071	-2.13865	0.033885	0.358658
	-0.18546	-2.13329	0.034329	0.359914
NUP210	0.184973	2.13815	0.033926	0.358845
	0.180739	2.135125	0.034176	0.359495
	-0.20143	-2.13611	0.034094	0.359408
CATSPER2	0.157357	2.136691	0.034047	0.359288
	0.35718	2.134187	0.034254	0.359682
	-0.28088	-2.13185	0.034449	0.360269
	0.192033	2.13023	0.034584	0.360587
	-0.19709	-2.13102	0.034518	0.360368

SNORA23	0.374058	2.133737	0.034292	0.359827
	-0.19535	-2.1317	0.034461	0.360269
ROBO4;PKNOX2	-0.30868	-2.13587	0.034115	0.359436
MDM4;TMEM183A;ENSG00000227417;PIK3C2B	-0.26624	-2.1358	0.03412	0.359436
	-0.1817	-2.1378	0.033955	0.358967
	-0.13062	-2.13713	0.034011	0.359199
LINC00511	-0.19763	-2.13735	0.033993	0.359113
MTCH2	-0.1769	-2.1377	0.033964	0.358985
	0.260561	2.133768	0.034289	0.359817
CHCHD4	0.238917	2.133788	0.034287	0.359809
	0.118581	2.134844	0.0342	0.359573
	0.322735	2.138662	0.033884	0.358658
	0.197039	2.133454	0.034315	0.359914
	-0.17566	-2.13211	0.034427	0.360266
	0.258135	2.132448	0.034399	0.360166
ENSG00000236467	-0.19901	-2.134	0.034269	0.359737
	0.158077	2.131297	0.034495	0.360317
IRF4	0.36342	2.139169	0.033842	0.358484
	0.263434	2.136403	0.034071	0.3593
	-0.1829	-2.13545	0.03415	0.359441
	0.191056	2.136381	0.034072	0.3593
	0.137876	2.129692	0.034629	0.360759
TECPR1;BUD31;BAIAP2L1;RPS3AP26;ATP5J2;AZGP1;ARPC1A;CY				
P3A5;ZNF3;GAL3ST4	-0.3461	-2.1306	0.034554	0.36052
CASP7;AFAP1L2;DCLRE1A;TRUB1	-0.31435	-2.13172	0.03446	0.360269
	0.131139	2.133715	0.034293	0.359837
FREM1	0.229777	2.135158	0.034174	0.359495
ATP8B2;NPR1;INTS3;C1orf189	0.304674	2.13171	0.034461	0.360269
	0.230969	2.133251	0.034332	0.359914
	0.219964	2.137088	0.034014	0.359204
	0.184348	2.134535	0.034225	0.359643
PRR15	-0.37945	-2.1329	0.034362	0.360011
	0.260346	2.131911	0.034444	0.360269
	-0.30498	-2.13599	0.034105	0.359427
UBASH3A;TRPM2	0.284603	2.138601	0.033889	0.358658
	0.241274	2.135828	0.034118	0.359436
ENSG00000235531;MSC;ENSG00000253379;TRPA1	0.333711	2.133872	0.03428	0.359806
	-0.18951	-2.13446	0.034231	0.359665
	0.258639	2.131305	0.034494	0.360317
SCAPER;TSPAN3	-0.23081	-2.12631	0.034914	0.361576
HLA-F;ETF1P1	-0.40534	-2.13695	0.034026	0.35924
	0.243458	2.134354	0.03424	0.359665
	0.135123	2.13582	0.034119	0.359436
	0.223964	2.127517	0.034812	0.361237
	-0.24072	-2.13191	0.034444	0.360269
	0.197261	2.136766	0.034041	0.359288
ENSG00000261663	0.153028	2.134334	0.034242	0.359665

CERK;ENSG00000234869	-0.36724	-2.13796	0.033942	0.358911
MMP17	0.226414	2.131783	0.034454	0.360269
	0.250427	2.134617	0.034219	0.359609
	0.187063	2.134413	0.034236	0.359665
	-0.1824	-2.13159	0.03447	0.36028
	0.249112	2.133258	0.034332	0.359914
	0.185805	2.129599	0.034637	0.360769
RPS13	0.285321	2.134933	0.034192	0.35957
METTL2A	-0.21465	-2.13614	0.034092	0.359408
	0.148845	2.131796	0.034453	0.360269
	0.166399	2.13608	0.034097	0.359408
	0.175334	2.135597	0.034137	0.359441
	-0.28449	-2.13341	0.034319	0.359914
FAU;DRAP1	0.195401	2.124517	0.035066	0.362171
	-0.31066	-2.13284	0.034367	0.360015
	0.241963	2.137774	0.033957	0.358967
	0.148589	2.137288	0.033997	0.359129
	0.184814	2.136965	0.034024	0.35924
	-0.1923	-2.13288	0.034363	0.360011
	-0.2098	-2.13757	0.033975	0.359009
	0.262885	2.13606	0.034099	0.359408
MPHOSPH8;IFT88	-0.30219	-2.13403	0.034267	0.359737
	0.207273	2.135529	0.034143	0.359441
	-0.28926	-2.1365	0.034062	0.359298
C1S;C1R;CD163L1	-0.13937	-2.13597	0.034106	0.359427
	0.287595	2.135292	0.034163	0.359495
ENSG00000261183;SPINT1;NDUFAF1;SRP14;RHOV;CHP1	-0.20823	-2.13731	0.033996	0.359129
HLA-F;HLA-A;VAR52	-0.24123	-2.13438	0.034239	0.359665
	0.20994	2.136422	0.034069	0.3593
DALRD3;C3orf18;ENSG00000273356	0.122626	2.13295	0.034357	0.359991
	0.152276	2.136379	0.034073	0.3593
	0.318814	2.134431	0.034234	0.359665
	0.358006	2.137091	0.034014	0.359204
TTC39A;AGBL4;ZNF859P;ENSG00000237478;ENSG0000022783	0.193724	2.133745	0.034291	0.359827
9;ENSG00000261664	-0.18284	-2.12772	0.034795	0.36115
ITPRIPL2	0.182417	2.13134	0.034491	0.360313
	0.146654	2.134317	0.034243	0.359665
HLA-F-AS1	0.292827	2.13672	0.034044	0.359288
	0.185823	2.136504	0.034062	0.359298
NOTUM;CCDC57;FN3KRP	0.26022	2.133073	0.034347	0.359974
FOXP1	-0.31157	-2.13015	0.034591	0.360624
	-0.13958	-2.13581	0.03412	0.359436
	-0.14076	-2.13412	0.03426	0.359711
	0.119852	2.134097	0.034262	0.359711
	-0.17285	-2.13369	0.034296	0.359844
CRIPAK	0.147732	2.134762	0.034207	0.359587

	-0.28402	-2.1341	0.034262	0.359711
	0.22373	2.134614	0.034219	0.359609
LRRC37A17P	0.149317	2.133533	0.034309	0.359908
SLC45A1;SPSB1;RBP7;KIF1B	-0.36372	-2.12985	0.034616	0.360745
	0.114433	2.130766	0.03454	0.360437
	-0.2533	-2.13368	0.034297	0.359844
	0.198519	2.133095	0.034345	0.359972
	0.213236	2.127576	0.034807	0.361203
	-0.22912	-2.13092	0.034526	0.360376
	-0.38084	-2.12781	0.034788	0.361134
	0.319698	2.134349	0.034241	0.359665
C6orf132;TRERF1;ENSG00000261068;GLTSCR1L	0.232233	2.131774	0.034455	0.360269
	0.221335	2.131403	0.034486	0.360313
	-0.38295	-2.13217	0.034422	0.360243
	-0.22867	-2.13433	0.034242	0.359665
	0.184357	2.136485	0.034064	0.3593
CHRD;MAP3K13;FAM131A;EHHADH;KLHL6;YEATS2;DVL3	-0.3637	-2.1304	0.03457	0.36052
SLC44A4;TNXB;PPP1R18;TRIM39;NELFE;HSPA1L;NRM;C4A	0.215719	2.129275	0.034664	0.360911
	-0.29953	-2.13179	0.034454	0.360269
	0.104685	2.134783	0.034205	0.359577
COX19;FTSJ2	0.206505	2.137355	0.033992	0.359113
	0.282399	2.137103	0.034013	0.359204
	0.253542	2.130982	0.034521	0.360371
	0.232792	2.134913	0.034194	0.359572
KHK;ATRAID;GTF3C2;EMILIN1	-0.42285	-2.13293	0.034359	0.359991
	0.327256	2.135449	0.03415	0.359441
	-0.35428	-2.13545	0.034149	0.359441
	-0.25222	-2.13268	0.03438	0.360059
FKBPL	0.189895	2.125267	0.035002	0.361926
	0.171712	2.131681	0.034463	0.360272
	0.159161	2.133471	0.034314	0.359914
CXCL14;H2AFY	0.225357	2.133637	0.0343	0.359861
	0.268132	2.13	0.034604	0.360696
	-0.30073	-2.13241	0.034402	0.360192
	-0.18168	-2.13195	0.03444	0.360269
	0.204099	2.131361	0.03449	0.360313
	0.326815	2.133355	0.034323	0.359914
	0.241015	2.134186	0.034254	0.359682
	-0.16354	-2.13592	0.034111	0.359436
TP73-AS1;MEGF6	-0.35865	-2.13401	0.034269	0.359737
	0.229152	2.137763	0.033958	0.358967
RBM23;TRAC;ENSG00000225766	0.170228	2.125934	0.034946	0.361666
HCP5;HLA-B;HLA-C;HLA-DRA	0.263034	2.134253	0.034249	0.35968
	0.215961	2.133277	0.03433	0.359914
	0.329247	2.135832	0.034118	0.359436
	0.251616	2.137133	0.03401	0.359199

	0.497921	2.128126	0.034761	0.361098
	0.19216	2.135246	0.034166	0.359495
SCNN1A;IFFO1;CLSTN3;VWF;ANO2;NTF3;C1R;RBP5;C1S;CD27;C1RL-AS1;CD9	-0.32838	-2.13558	0.034139	0.359441
	0.204879	2.131929	0.034442	0.360269
SNORA23	0.190711	2.130687	0.034546	0.360487
ZHX2;FER1L6;FAM83A;TBC1D31;FER1L6-AS1;FAM83A-AS1	-0.20643	-2.13051	0.034561	0.36052
WNT9A	0.301921	2.135334	0.034159	0.359495
	0.291821	2.133066	0.034347	0.359974
WDR45B;PCYT2;NOTUM;TBCD	-0.35459	-2.13392	0.034277	0.359785
	-0.30253	-2.13563	0.034135	0.359441
	0.325311	2.13282	0.034368	0.360015
ATG7;MTMR14	0.23738	2.130469	0.034564	0.36052
	0.190755	2.126134	0.034929	0.361611
ANKRD29	-0.27208	-2.13273	0.034376	0.360051
	-0.19314	-2.13216	0.034423	0.360243
	0.640711	2.131976	0.034438	0.360269
	0.184523	2.131751	0.034457	0.360269
SH3BP2;ENSG00000206113	0.38123	2.135405	0.034153	0.35945
ADAMTSL5	0.254909	2.131976	0.034438	0.360269
	-0.24487	-2.13383	0.034284	0.359809
	-0.18462	-2.12849	0.03473	0.361023
	0.167684	2.130551	0.034557	0.36052
ENSG00000261008;ENSG00000259901	0.413063	2.126094	0.034932	0.361631
	-0.18149	-2.12721	0.034838	0.361368
	-0.31896	-2.12801	0.034771	0.361098
	-0.27547	-2.12991	0.034611	0.360726
	-0.23994	-2.13483	0.034201	0.359573
	0.242301	2.133507	0.034311	0.359908
	0.293711	2.135523	0.034143	0.359441
	-0.14163	-2.12906	0.034682	0.360911
	0.192141	2.131392	0.034487	0.360313
	0.232023	2.136579	0.034056	0.359297
ENSG00000225670;CADM3;DARC;ATP1A2;PYHIN1;AIM2;SLAMF1;ENSG00000213080;PEA15;LY9;CD84;IGSF9	-0.16111	-2.13037	0.034572	0.36052
GPR176;SPINT1;ENSG00000261183;C15orf52;DLL4;RMDN3;LT	-0.30207	-2.12847	0.034732	0.361034
K;RHOV;FSIP1	-0.37651	-2.13153	0.034475	0.36028
	-0.29572	-2.13851	0.033897	0.358676
	-0.18969	-2.13591	0.034112	0.359436
	0.220117	2.132955	0.034357	0.359991
	-0.32226	-2.13328	0.03433	0.359914
	0.134455	2.128342	0.034743	0.36106
	-0.25613	-2.13216	0.034423	0.360243
ENSG00000176593	-0.17961	-2.13028	0.03458	0.360568
	-0.23086	-2.13423	0.034251	0.35968

	0.174402	2.131703	0.034461	0.360269
	-0.27696	-2.13295	0.034357	0.359991
	-0.35738	-2.13465	0.034216	0.359609
	-0.23512	-2.13297	0.034355	0.359991
	-0.2044	-2.13306	0.034348	0.359974
PSMA5;LAMTOR5;SYPL2;GSTM5	-0.26066	-2.12315	0.035182	0.362511
	0.236751	2.130063	0.034598	0.360682
	0.106789	2.131216	0.034502	0.360317
FCHSD2;ARAP1	-0.23266	-2.13465	0.034215	0.359609
CDON	0.333266	2.131705	0.034461	0.360269
	-0.33548	-2.13042	0.034569	0.36052
	0.265181	2.133491	0.034312	0.359909
ZEB2;ARHGAP15;GTDC1	-0.3122	-2.12726	0.034834	0.361368
	-0.17342	-2.1351	0.034178	0.359495
HLA-DRB5	-0.62048	-2.1335	0.034311	0.359908
SRC	-0.23619	-2.13519	0.034171	0.359495
IKZF4;RPL41;CD63	0.173155	2.13002	0.034602	0.360696
ARL10;DRD1	0.228501	2.1287	0.034713	0.360949
CMTM8	0.362689	2.135166	0.034173	0.359495
	-0.20332	-2.12978	0.034622	0.360747
	0.165696	2.134549	0.034224	0.359643
	-0.13814	-2.11727	0.035685	0.363878
	0.137836	2.132635	0.034383	0.360091
	-0.17583	-2.13594	0.034109	0.359436
	-0.26423	-2.12502	0.035023	0.36194
CAMTA1;SLC45A1;PER3;RERE	-0.19808	-2.13081	0.034536	0.36042
LHFP;MRPS31	0.365663	2.13518	0.034172	0.359495
CCDC138	0.186825	2.125532	0.03498	0.361833
	0.213878	2.13469	0.034212	0.359609
	0.259493	2.131176	0.034505	0.360334
NLRC5	0.171909	2.133016	0.034352	0.359991
	0.233086	2.135759	0.034124	0.359441
	-0.20094	-2.134	0.03427	0.359737
	0.235882	2.130545	0.034558	0.36052
DAXX	0.152163	2.135235	0.034167	0.359495
FHAD1;CROCC;DNAJC16;RSG1;FBLIM1;ENSG00000228140;DDI2;ENSG00000227959	-0.22494	-2.13045	0.034566	0.36052
	0.244728	2.136259	0.034082	0.359361
	-0.37934	-2.13272	0.034376	0.360051
	0.182655	2.136776	0.03404	0.359288
MSH5;LST1;PRR3	0.20395	2.131021	0.034518	0.360368
	-0.24685	-2.13591	0.034111	0.359436
MYRF;BEST1;RAB3IL1	-0.19752	-2.1282	0.034755	0.361087
	-0.16321	-2.1308	0.034536	0.36042
ENSG00000175873;CYP2W1	-0.48676	-2.1357	0.034129	0.359441
	0.235686	2.133395	0.03432	0.359914
	0.230329	2.134795	0.034204	0.359577

IFFO1;LEPREL2;PLEKHG6;VWF;SCNN1A;CD9;CLSTN3 IRX2	0.261047	2.12825	0.034751	0.361087
	-0.23769	-2.13478	0.034205	0.359577
	-0.35426	-2.13381	0.034286	0.359809
	-0.29406	-2.13109	0.034512	0.360368
SLC4A8;GALNT6;ACVRL1;KRT7;SLC11A2 KCNA2	0.210497	2.133197	0.034337	0.359943
	-0.32177	-2.13546	0.034148	0.359441
	-0.20523	-2.13433	0.034243	0.359665
	-0.2298	-2.13048	0.034563	0.36052
	-0.19136	-2.13102	0.034518	0.360368
	0.205914	2.129765	0.034623	0.360747
	0.177589	2.133502	0.034311	0.359908
	-0.17987	-2.13119	0.034504	0.360326
	-0.28473	-2.13669	0.034047	0.359288
	-0.17461	-2.13235	0.034407	0.360211
MBOAT1	0.325164	2.132952	0.034357	0.359991
	-0.25406	-2.12917	0.034673	0.360911
	-0.26677	-2.12492	0.035032	0.361969
	0.255885	2.132584	0.034388	0.360118
	-0.13437	-2.13153	0.034476	0.36028
	0.339217	2.129039	0.034684	0.360911
	-0.15745	-2.12133	0.035337	0.362881
	-0.21544	-2.13385	0.034283	0.359809
	-0.21563	-2.13042	0.034569	0.36052
	-0.1434	-2.13269	0.034379	0.360059
ZDHC13	-0.28476	-2.13479	0.034204	0.359577
	0.21223	2.133958	0.034273	0.359766
	-0.26406	-2.13404	0.034266	0.359735
	0.168282	2.133801	0.034286	0.359809
GLT8D2	-0.24178	-2.13213	0.034425	0.360255
	-0.26795	-2.13252	0.034393	0.360132
	-0.30872	-2.13393	0.034276	0.359785
	-0.32263	-2.12959	0.034638	0.360769
	0.220035	2.129732	0.034626	0.360759
	0.183235	2.132988	0.034354	0.359991
	-0.26629	-2.13324	0.034333	0.359914
	0.238893	2.132361	0.034406	0.360211
	0.316489	2.134445	0.034233	0.359665
	0.248998	2.131284	0.034496	0.360317
ARHGAP30;FCRL6;PEX19;ENSG00000213080;CD244;SLAMF1;S LAMF6	-0.12412	-2.12524	0.035005	0.361928
	0.200959	2.128287	0.034747	0.361082
	-0.24831	-2.13122	0.034502	0.360317
	0.222674	2.128287	0.034747	0.361082
	0.275415	2.132171	0.034422	0.360243
	0.110841	2.13113	0.034509	0.360365
	-0.2535	-2.13566	0.034132	0.359441
	0.238893	2.132361	0.034406	0.360211
	0.316489	2.134445	0.034233	0.359665
	0.248998	2.131284	0.034496	0.360317
GREM2;CHRM3	-0.12412	-2.12524	0.035005	0.361928
	0.200959	2.128287	0.034747	0.361082
	-0.24831	-2.13122	0.034502	0.360317
	0.222674	2.128287	0.034747	0.361082
ENSG00000224187;ENSG00000236864	0.275415	2.132171	0.034422	0.360243
	0.110841	2.13113	0.034509	0.360365
	-0.2535	-2.13566	0.034132	0.359441
	0.238893	2.132361	0.034406	0.360211
FUT2;HRC OAS1;OAS3	0.316489	2.134445	0.034233	0.359665
	0.248998	2.131284	0.034496	0.360317
	-0.12412	-2.12524	0.035005	0.361928
	0.200959	2.128287	0.034747	0.361082
ENSG00000240036	-0.24831	-2.13122	0.034502	0.360317
	0.222674	2.128287	0.034747	0.361082

BAIAP2;WDR45B;PCYT2;SLC25A10;NOTUM;LRRC45;RAB40B	-0.20004	-2.12886	0.034699	0.360928
	-0.16622	-2.12918	0.034673	0.360911
	0.164788	2.13235	0.034407	0.360211
ADARB2	0.27969	2.129851	0.034616	0.360745
	0.256588	2.12867	0.034715	0.360953
	0.226566	2.129947	0.034608	0.36071
USP45	0.25519	2.132009	0.034436	0.360269
SLC2A4;ATP1B2;BCL6B;MIR497HG;ENSG00000263316;ZBTB4;C				
LDN7	-0.18928	-2.12891	0.034695	0.360922
NMNAT2	-0.30161	-2.13459	0.034221	0.359619
	0.153931	2.127679	0.034799	0.361164
	-0.14392	-2.1338	0.034286	0.359809
RBMS3;GADL1;RBMS3-AS2;ENSG00000203652	0.287805	2.135129	0.034176	0.359495
RPA3;MIOS;CYTH3	-0.31996	-2.13192	0.034443	0.360269
CHMP5;ANXA2P2;DCAF12;DNAJA1;NFX1;APTX;TMEM215	-0.22693	-2.12326	0.035172	0.362471
	0.176423	2.133793	0.034287	0.359809
	0.283408	2.130896	0.034529	0.360376
	0.229762	2.134869	0.034198	0.359573
	-0.28673	-2.13193	0.034442	0.360269
	0.096754	2.132318	0.03441	0.360219
	0.292777	2.127732	0.034794	0.36115
	0.235187	2.130452	0.034566	0.36052
CCDC74B;CCDC74A	0.135527	2.131269	0.034497	0.360317
	-0.3442	-2.13416	0.034257	0.359699
B4GALT2	-0.13969	-2.13423	0.034251	0.35968
	-0.23683	-2.12701	0.034855	0.36142
ASIC1;FMNL3;SPATS2	-0.22281	-2.13463	0.034217	0.359609
	0.229575	2.131864	0.034448	0.360269
	-0.25805	-2.12811	0.034762	0.361098
PDLIM3	0.319069	2.13278	0.034371	0.360026
SDC4;TOMM34;SYS1;WFDC3;EPPIN;PIGT;HSPD1P21;WISP2;WF				
DC6;ZNF663P;DNMTIP1	-0.26203	-2.12538	0.034993	0.36187
	0.172104	2.123077	0.035188	0.362519
PTCH1;ZNF169;HIATL1	-0.2899	-2.13087	0.034531	0.360381
	-0.32131	-2.13227	0.034414	0.360219
	-0.16002	-2.13123	0.034501	0.360317
RASGRP3	-0.25065	-2.13317	0.034339	0.359943
	0.283566	2.133399	0.03432	0.359914
	-0.30888	-2.13518	0.034172	0.359495
RBM28;HILPDA;AHCYL2;LRRC4;SMO	0.192459	2.134279	0.034247	0.35968
	0.301548	2.134849	0.034199	0.359573
TXNDC8;TXN	-0.30328	-2.13132	0.034493	0.360317
	-0.22146	-2.12619	0.034924	0.36161
	0.20032	2.129142	0.034676	0.360911



AOC3;CNTNAP1;MPP2;TUBG2;ATP6V0A1;PTRF;RAMP2- AS1;MEOX1;RAMP2;ACLY;RUNDC1;BECN1;EZH1;PLEKHH3;VPS2 5;PSME3;MPP3;COA3;VAT1;COASY;STAT5B;MLX;BRCA1;STAT3; HMGN2P15	0.223449	2.131518	0.034477	0.36028
	0.112596	2.127775	0.034791	0.361134
SRFBP1	0.298936	2.133243	0.034333	0.359914
	0.196871	2.132843	0.034366	0.360015
TMPRSS4;KMT2A;TMEM25;BACE1;PHLDB1;AMICA1;SCN2B;MP ZL3	-0.23512	-2.12909	0.03468	0.360911
	-0.27939	-2.12985	0.034616	0.360745
	-0.24981	-2.13136	0.03449	0.360313
WIPF1	0.262217	2.13177	0.034456	0.360269
IGDCC4;PIF1	-0.30774	-2.12616	0.034927	0.361611
	-0.15039	-2.12638	0.034908	0.361545
SOX18	0.234425	2.12805	0.034767	0.361098
	-0.13745	-2.13196	0.034439	0.360269
	0.10269	2.130696	0.034545	0.360487
	0.253272	2.127667	0.0348	0.361164
	0.099987	2.122242	0.035259	0.362724
	-0.20379	-2.12772	0.034795	0.36115
PTGDS;C9orf163;GPSM1;EGFL7;LCNL1;TUBB4B	-0.21394	-2.13135	0.03449	0.360313
	0.176357	2.124078	0.035103	0.362223
	0.157153	2.124244	0.035089	0.362223
	0.116929	2.128743	0.034709	0.360941
	0.267496	2.129993	0.034604	0.360696
	0.193269	2.12696	0.034859	0.361426
	0.261791	2.131048	0.034516	0.360368
	-0.20598	-2.12837	0.03474	0.361053
	-0.26717	-2.12944	0.03465	0.360826
	0.241967	2.133357	0.034323	0.359914
	-0.27963	-2.13208	0.034429	0.360269
	-0.18675	-2.12804	0.034768	0.361098
KIAA1755	0.149702	2.133559	0.034306	0.359908
	0.235042	2.12621	0.034923	0.361609
CHD2	0.205743	2.131082	0.034513	0.360368
	-0.20819	-2.1342	0.034253	0.359682
	-0.34506	-2.12805	0.034768	0.361098
TRIM59	0.183817	2.129716	0.034627	0.360759
CCR1	-0.22348	-2.13338	0.034321	0.359914
	0.51651	2.13317	0.034339	0.359943
	-0.18075	-2.12518	0.03501	0.361928
	0.265919	2.133269	0.034331	0.359914
	0.23778	2.132272	0.034414	0.360219
	0.338846	2.131413	0.034485	0.360313
STARD13-AS	0.20243	2.132567	0.034389	0.360123
	0.166412	2.132316	0.03441	0.360219
	-0.25627	-2.13095	0.034524	0.360376

DHX37;ZNF664;DNAH10	-0.22211	-2.12779	0.034789	0.361134
	0.132814	2.128502	0.034729	0.361023
	-0.25431	-2.12926	0.034665	0.360911
	-0.16068	-2.124	0.035109	0.362223
	0.374241	2.133564	0.034306	0.359908
	0.206048	2.131387	0.034488	0.360313
CEP104;SKI;MORN1;ENSG00000269896;MEGF6;LINC01134;TP73-AS1;DFFB;FAM213B;TP73;TTC34;TPRG1L	-0.27714	-2.13003	0.034601	0.360696
	-0.19825	-2.12818	0.034757	0.361088
	-0.24888	-2.11458	0.035917	0.364503
	0.195447	2.130367	0.034573	0.36052
	-0.2785	-2.12925	0.034667	0.360911
	0.281253	2.128571	0.034724	0.361
	0.09144	2.120869	0.035376	0.363004
HMHA1;ARID3A;MOB3A	-0.31294	-2.12905	0.034684	0.360911
	-0.25874	-2.12573	0.034963	0.361751
	0.192568	2.125672	0.034968	0.361767
	-0.19799	-2.13218	0.034421	0.360243
	0.127981	2.131609	0.034469	0.36028
SCARB1;BRI3BP	-0.22342	-2.13158	0.034471	0.36028
RAE1	-0.22878	-2.1316	0.03447	0.36028
NKG7;SIGLEC9;CD33	0.330148	2.131904	0.034444	0.360269
	-0.17913	-2.12921	0.03467	0.360911
KLHDC8A;RAB7L1;PLEKHA6;NUAK2	-0.21529	-2.11942	0.0355	0.363401
PEAR1;FCRL5;HDGF;FCRL3	-0.44645	-2.12944	0.03465	0.360826
SDC4;PIGT;SLC13A3;TOMM34;SYS1	-0.23053	-2.12843	0.034735	0.361034
	0.134684	2.126482	0.0349	0.361528
TRAC	0.234296	2.129223	0.034669	0.360911
	-0.26036	-2.1205	0.035407	0.363046
	0.225526	2.120442	0.035413	0.363058
	0.132954	2.129974	0.034606	0.360697
	0.21151	2.133417	0.034318	0.359914
PTP4A3;GPIHBP1	0.31541	2.130184	0.034588	0.360616
	-0.15554	-2.12881	0.034704	0.360934
	0.2242	2.130995	0.03452	0.360369
ENOPH1	0.266387	2.127986	0.034773	0.361099
	-0.25766	-2.13389	0.034279	0.359797
CARS;CDKN1C;CD81;MRPL23	-0.30927	-2.12603	0.034938	0.361648
TAP1;HSD17B8;TAP2;HLA-DMA	-0.16442	-2.13248	0.034396	0.360143
MARS	0.173688	2.130926	0.034526	0.360376
	-0.2985	-2.12916	0.034674	0.360911
C6orf25	0.218861	2.127208	0.034838	0.361368
ENSG00000261386	0.117888	2.131396	0.034487	0.360313
	-0.3382	-2.13432	0.034243	0.359665
	0.193591	2.130897	0.034529	0.360376
	0.195255	2.129055	0.034683	0.360911
RNF213;BAIAP2;PCYT2	-0.23245	-2.13471	0.034211	0.359609

FBLN2;FGD5	0.349417	2.131689	0.034462	0.360272
	-0.18435	-2.13174	0.034458	0.360269
	-0.33717	-2.12943	0.034651	0.360826
UBL5	0.237143	2.130661	0.034548	0.360493
	0.205198	2.128169	0.034757	0.361088
	-0.26854	-2.12196	0.035283	0.362724
PTGR1	0.160547	2.132942	0.034358	0.359991
	0.259094	2.127933	0.034777	0.361108
	0.156398	2.129474	0.034648	0.360826
ENSG00000226328;SCUBE1;PARVB;NUP50;PHF21B	-0.28478	-2.12887	0.034699	0.360928
	-0.18745	-2.12324	0.035174	0.362471
	-0.20266	-2.13254	0.034391	0.360127
	-0.3456	-2.12962	0.034636	0.360769
	0.213162	2.125961	0.034944	0.361666
	-0.21961	-2.12547	0.034985	0.36186
	0.208568	2.126579	0.034891	0.361506
	0.165819	2.129837	0.034617	0.360746
	-0.16271	-2.12303	0.035192	0.362519
ADARB1;COL18A1;COL6A1;COL18A1-AS1;COL18A1-AS2;COL6A2;ENSG00000267857;LRRC3DN;LRRC3;ENSG00000268805	0.445743	2.132161	0.034423	0.360243
	0.242331	2.128665	0.034716	0.360953
	0.182714	2.130918	0.034527	0.360376
	-0.18983	-2.12998	0.034605	0.360696
	-0.14795	-2.13155	0.034474	0.36028
TENC1;GRASP;ACVRL1;POU6F1;GALNT6;SLC4A8;KRT18;KRT80;DAZAP2;KRT7	0.216066	2.121234	0.035345	0.362918
	0.264207	2.126536	0.034895	0.361506
	-0.21064	-2.12231	0.035253	0.362708
C17orf62;ENSG00000268852				
SIPA1;MAP4K2;SLC25A45;CTSW;MAP3K11;EHBP1L1;EFEMP2;EHD1;CST6;CCS	-0.2799	-2.12895	0.034691	0.360911
	0.160251	2.123364	0.035164	0.362437
	-0.18598	-2.1305	0.034562	0.36052
ENSG00000250698	-0.18176	-2.12942	0.034652	0.360826
	-0.14485	-2.12262	0.035227	0.362605
	0.199042	2.133286	0.034329	0.359914
ALX4;TSPAN18	-0.19331	-2.129	0.034688	0.360911
	0.312624	2.134146	0.034258	0.3597
	0.153948	2.130635	0.03455	0.360507
SLBP	-0.15115	-2.12821	0.034754	0.361087
C14orf119				
STAT5B;FKBP10;VPS25;KRT19;CNTNAP1;KRT13;ATP6V0A1;COASY;RAMP2;KRT42P;KRT23;KRT10;ENSG00000236194;STAT5A;TUBG1;JUP	-0.26855	-2.12942	0.034652	0.360826
	-0.15956	-2.13018	0.034589	0.360616
	-0.41445	-2.13271	0.034377	0.360051
	-0.22919	-2.12909	0.03468	0.360911
	0.240085	2.121077	0.035358	0.362966

ENSG00000271553;CALU	0.207024	2.131119	0.03451	0.360366	
	-0.15031	-2.12718	0.034841	0.361368	
	0.178525	2.129665	0.034632	0.360769	
	0.212771	2.126364	0.03491	0.361553	
	0.219963	2.130919	0.034527	0.360376	
SMG5	-0.29527	-2.12863	0.034719	0.360957	
	-0.16832	-2.12854	0.034726	0.361013	
	-0.30502	-2.13087	0.03453	0.360381	
HCP5;HLA-B;HLA-DRA;LTB;GPSM3;MICB;HLA-C;PPP1R10;PPP1R18	0.402598	2.131218	0.034502	0.360317	
MCU;MRPS16;SYNPO2L;VCL	-0.39239	-2.1238	0.035126	0.362309	
RAF1	-0.13075	-2.12779	0.034789	0.361134	
GVINP1;TRIM22;TRIM5;TPP1	-0.1774	-2.1296	0.034637	0.360769	
	0.302994	2.132883	0.034363	0.360011	
	0.119664	2.123452	0.035156	0.362413	
C16orf62	0.308867	2.125979	0.034942	0.361661	
	0.25227	2.128819	0.034703	0.360933	
	-0.20981	-2.12977	0.034623	0.360747	
	-0.21299	-2.12536	0.034994	0.36187	
	0.117683	2.130494	0.034562	0.36052	
COL1A1;NXPH3;MRPL27;ENSG00000248954;UTP18;EPN3	0.195885	2.128886	0.034697	0.360928	
	-0.25994	-2.12899	0.034688	0.360911	
	-0.30255	-2.12654	0.034894	0.361506	
	0.305212	2.128945	0.034692	0.360911	
GPSM1;EGFL7;TUBB4B;UAP1L1;PTGDS;LCNL1;C9orf163;NOTCH1;RNF224;TUBBP5;INPP5E;SLC34A3;C9orf142;SEC16A;DNLZ;C9orf169;TRAF2;SNHG7;MAN1B1;ENSG00000227512	-0.21672	-2.12403	0.035107	0.362223	
LRP1	-0.15072	-2.11881	0.035553	0.363557	
	0.151467	2.131544	0.034474	0.36028	
	PTK2B;NUGGC;FZD3	0.301618	2.127269	0.034833	0.361368
	GPSM3;C4A;HLA-DQA2	-0.19739	-2.13206	0.034432	0.360269
		-0.38236	-2.12556	0.034977	0.36182
ARHGEF28;ZNF366;ANKRA2	-0.26836	-2.13048	0.034563	0.36052	
	0.271732	2.127392	0.034823	0.361311	
	-0.20586	-2.12703	0.034853	0.361409	
	0.356819	2.129783	0.034622	0.360747	
	0.296857	2.1316	0.03447	0.36028	
AFAP1;ABLM2;HTRA3;SORCS2;SH3TC1;PSAPL1	-0.24904	-2.123	0.035195	0.362519	
MYH14;KLK11;ZNF473;CLEC11A;ENSG00000204666	0.300757	2.13015	0.034591	0.360624	
	-0.12934	-2.12895	0.034691	0.360911	
	-0.21703	-2.12551	0.034982	0.361844	
	0.153648	2.131035	0.034517	0.360368	
	0.298653	2.131609	0.034469	0.36028	
CBX2;C1QTNF1;EIF4A3;SGSH	0.172956	2.132234	0.034417	0.360229	
C22orf34;MAPK12	-0.1663	-2.12875	0.034709	0.360941	
	-0.2618	-2.13159	0.03447	0.36028	

	0.213549	2.128673	0.034715	0.360953
LTBP3;HRASLS2;PPP2R5B;VEGFB;C11orf95;NRXN2;PYGM;MRPL49;PRDX5;STIP1;TM7SF2	0.261619	2.13207	0.034431	0.360269
	0.1829	2.124167	0.035096	0.362223
MSLNL;MSLN;TPSB2	-0.19422	-2.12804	0.034768	0.361098
	0.179976	2.128106	0.034763	0.361098
ITGB2;TRPM2;CSTB	-0.28479	-2.12962	0.034635	0.360769
	0.299752	2.126895	0.034865	0.361439
	-0.51639	-2.13062	0.034552	0.360513
	-0.25375	-2.12876	0.034707	0.360941
	0.227929	2.13201	0.034436	0.360269
	-0.37091	-2.1299	0.034612	0.360726
	-0.30353	-2.1292	0.034671	0.360911
	0.125554	2.126173	0.034926	0.361611
	-0.26143	-2.13149	0.034479	0.36028
	-0.22047	-2.12781	0.034788	0.361134
PPP1R18;DDR1;HLA-F	0.220534	2.12766	0.0348	0.361164
TSPYL4	-0.24985	-2.13138	0.034488	0.360313
	-0.26625	-2.12339	0.035162	0.36243
	0.192658	2.129407	0.034653	0.360832
	-0.17855	-2.12896	0.03469	0.360911
	0.199361	2.1273	0.034831	0.361365
ENSG00000260015;CHST4	0.310686	2.128504	0.034729	0.361023
SLC44A4;CLIC1;HSPA1A	-0.21919	-2.12268	0.035222	0.362598
SETD3	0.158475	2.129242	0.034667	0.360911
	0.108712	2.12489	0.035034	0.361984
UNC93B1;GSTP1;ALDH3B1;ALDH3B2;FAM86C2P;PITPNM1;CDK2AP2	-0.2584	-2.12408	0.035103	0.362223
PDCD6	0.260911	2.128967	0.03469	0.360911
	0.214255	2.130671	0.034547	0.360493
	0.232258	2.123245	0.035174	0.362471
ENSG00000230383	0.227951	2.128761	0.034708	0.360941
LRRC59;HOXB-AS2;HOXB4;KAT7;HOXB-AS3;NXPH3;MRPL27;HOXB6;SGCA;CALCOCO2;MIR10A	-0.1921	-2.12715	0.034843	0.361368
PIK3R6;ACAP1	0.314131	2.129796	0.034621	0.360747
TSPAN18	-0.2545	-2.13149	0.034479	0.36028
ARHGEF15;MPDU1	0.227843	2.128651	0.034717	0.360954
	-0.28364	-2.13177	0.034456	0.360269
	0.222976	2.127305	0.03483	0.361365
	0.403089	2.124984	0.035026	0.361955
	0.222706	2.132272	0.034414	0.360219
	0.326855	2.126947	0.03486	0.361428
	0.214477	2.129527	0.034643	0.360797
IQCE;TTYH3;MAD1L1	-0.22125	-2.12341	0.03516	0.362427
	-0.25581	-2.12887	0.034698	0.360928
	-0.11529	-2.12595	0.034944	0.361666
	0.263848	2.132043	0.034433	0.360269

NKD2	0.250118	2.128843	0.034701	0.360932
	0.179251	2.130387	0.034571	0.36052
	-0.20476	-2.12724	0.034835	0.361368
	0.13311	2.126751	0.034877	0.361478
	0.130175	2.12075	0.035386	0.363007
	0.193418	2.128428	0.034736	0.361034
KIAA0125;IGHV3-21;IGHV1-2;IGHA1;IGHG3;IGHV4-34;IGHV3-11;IGHA2;IGHV3-15;IGHV3-23;IGHG2	0.199086	2.12643	0.034904	0.361543
	0.270587	2.127046	0.034852	0.361408
	-0.61233	-2.12897	0.03469	0.360911
	0.256041	2.1297	0.034629	0.360759
	0.256643	2.124971	0.035027	0.361957
	0.343109	2.131217	0.034502	0.360317
SKAP1;TBX21 LST1;PPP1R18;HLA-E;AIF1;HLA-B;LTB;HLA-C PARD6B	-0.17063	-2.13	0.034604	0.360696
	-0.26392	-2.12651	0.034897	0.361509
	0.208447	2.119046	0.035532	0.363464
	0.271421	2.132558	0.03439	0.360123
	-0.30836	-2.12785	0.034785	0.361134
	0.103734	2.130389	0.034571	0.36052
RASAL3	0.218348	2.132266	0.034414	0.360219
	0.13886	2.120613	0.035398	0.363037
	0.250004	2.126256	0.034919	0.361602
	-0.38804	-2.13158	0.034472	0.36028
	-0.25415	-2.12789	0.034781	0.36112
	0.18951	2.120922	0.035372	0.363004
DDX54;RASAL1	-0.26561	-2.1298	0.03462	0.360747
	-0.14255	-2.12299	0.035196	0.362519
	0.232301	2.116822	0.035723	0.363986
	0.256113	2.128733	0.03471	0.360941
	-0.2822	-2.1197	0.035476	0.363368
	-0.21802	-2.12281	0.03521	0.362574
PIK3CD SHANK2-AS1	0.400613	2.131506	0.034478	0.36028
	-0.14591	-2.12884	0.034701	0.360932
	0.249394	2.127074	0.03485	0.361396
	0.304019	2.131593	0.03447	0.36028
	0.146818	2.129546	0.034642	0.36079
	-0.24628	-2.12301	0.035194	0.362519
SPSB1;SLC45A1;RBP7;PIK3CD;KIF1B	-0.2099	-2.12842	0.034736	0.361034
	0.260343	2.125104	0.035016	0.361928
	-0.25056	-2.12329	0.03517	0.362471
	-0.15428	-2.12277	0.035214	0.362584
	-0.29428	-2.12485	0.035038	0.362003
	0.244991	2.130902	0.034528	0.360376
KRT23	0.234545	2.126408	0.034906	0.361543
	-0.25761	-2.1282	0.034755	0.361087
	0.178274	2.124146	0.035097	0.362223
	0.127815	2.125767	0.03496	0.361724

PRR26	0.195893	2.129273	0.034665	0.360911
	0.216586	2.124863	0.035036	0.361999
DNM1P46	-0.31543	-2.12873	0.03471	0.360941
	-0.1901	-2.12739	0.034823	0.361311
	0.211148	2.126127	0.03493	0.361611
	-0.17089	-2.12431	0.035083	0.362223
	0.248462	2.131289	0.034496	0.360317
	-0.19806	-2.12161	0.035313	0.362789
	0.301612	2.123009	0.035194	0.362519
	0.164461	2.127586	0.034806	0.361202
MIR34C;ENSG00000255428;COLCA1	0.286999	2.128719	0.034711	0.360941
FOXF2	-0.18342	-2.12844	0.034734	0.361034
BNIP1;FAM63A;ADAMTSL4;THEM4;S100A11;ENSA	-0.17969	-2.12504	0.035022	0.361934
	0.151631	2.131005	0.034519	0.360368
	0.111285	2.123562	0.035147	0.362404
ERCC1;GIPR;PPP5C	0.282227	2.128119	0.034762	0.361098
	-0.15416	-2.12659	0.03489	0.361506
	0.212316	2.128085	0.034764	0.361098
	-0.21006	-2.12712	0.034846	0.361373
TJP3;GIPC3;TBXA2R;GNG7;DAPK3;GNA15	0.259233	2.127237	0.034836	0.361368
DDO	-0.28257	-2.12069	0.035391	0.363033
	0.212179	2.12682	0.034871	0.36146
	-0.14716	-2.12528	0.035001	0.361919
ZNF683	-0.23664	-2.12433	0.035082	0.362223
CDC42BPA;WNT9A;RHOA	-0.3073	-2.12893	0.034693	0.360911
ABCB10;RHOA;RAB4A;HIST3H2A	-0.2741	-2.12504	0.035022	0.361934
	-0.2835	-2.12446	0.035071	0.362185
	0.202721	2.124798	0.035042	0.362021
GSDMC	-0.31901	-2.1323	0.034412	0.360219
CACNA1C;TSPAN9-IT1	0.223703	2.129372	0.034656	0.360852
LCK;FNDC5	0.235145	2.130265	0.034581	0.360571
	0.104699	2.122178	0.035265	0.362724
	0.221393	2.129364	0.034657	0.360852
PARVG;ATXN10;WNT7B	-0.25393	-2.12352	0.035151	0.362404
SAMD15;CIPC;AHSA1;VASH1;NOXRED1;SPTLC2;TMED8;ENSG0000258819;ENSG00000246548;ANGEL1	-0.2244	-2.12568	0.034968	0.361767
	-0.20637	-2.1229	0.035203	0.36257
PTPN7;KIF21B	0.213803	2.130391	0.034571	0.36052
IFFO1;CLSTN3;ANO2;VWF;C1R;SCNN1A;C1S;C1RL-AS1;RBP5;C1RL;ENSG00000256967;LEPREL2;LRRC23;CD9	0.289494	2.129616	0.034636	0.360769
	-0.17069	-2.1264	0.034906	0.361543
	0.186501	2.124501	0.035067	0.362174
CDHR3;EFCAB10;RINT1;ENSG00000272604;KMT2E;SRPK2	-0.28533	-2.12309	0.035187	0.362519
KCNK1	-0.33389	-2.12615	0.034928	0.361611
	-0.23736	-2.1234	0.03516	0.362427
SLC22A18	0.177721	2.130358	0.034574	0.36052

	0.398143	2.127963	0.034775	0.361108
	-0.23799	-2.1256	0.034974	0.361807
	0.150288	2.12807	0.034766	0.361098
	-0.24221	-2.12772	0.034795	0.361115
ZNF618	0.210353	2.121693	0.035306	0.362789
	-0.26551	-2.12513	0.035014	0.361928
	0.241967	2.129692	0.034629	0.360759
FAM86JP;ABTB1;ALG1L	-0.20151	-2.12725	0.034835	0.361368
PARP11	0.2584	2.130551	0.034557	0.36052
	-0.19842	-2.1297	0.034629	0.360759
SMG5	-0.15451	-2.12682	0.034871	0.36146
	0.280059	2.128017	0.03477	0.361098
	0.216491	2.123539	0.035149	0.362404
	0.234014	2.125933	0.034946	0.361666
FMO5;CHD1L;LIX1L;ITGA10;PDIA3P1	0.201451	2.126596	0.03489	0.361506
	-0.27606	-2.12845	0.034734	0.361034
	-0.17178	-2.13038	0.034572	0.36052
EMC8	-0.30771	-2.13028	0.03458	0.360568
	-0.23496	-2.12792	0.034779	0.361108
	0.206379	2.12783	0.034786	0.361134
	-0.13139	-2.12715	0.034843	0.361368
CCND2;TSPAN9;AKAP3;KCNA1	-0.23964	-2.12149	0.035323	0.362807
	0.229745	2.124988	0.035026	0.361955
	-0.18059	-2.12908	0.03468	0.360911
C11orf49;HARBI1;MAPK8IP1;ARHGAP1;ENSG00000254427	-0.18943	-2.12837	0.034741	0.361053
	-0.44852	-2.1219	0.035288	0.362741
GAS6;TMCO3;TMEM255B	0.20811	2.127142	0.034844	0.361368
	-0.15751	-2.12156	0.035317	0.362796
	0.210307	2.126418	0.034905	0.361543
ITGB7	0.238018	2.128962	0.034691	0.360911
	-0.19107	-2.12399	0.035111	0.362223
CD9	0.329895	2.12196	0.035283	0.362724
	-0.22273	-2.12309	0.035187	0.362519
FENDRR;FOXF1;ENSG00000262601;KIAA0513;FOXL1	-0.26438	-2.13079	0.034538	0.360428
	-0.18645	-2.12684	0.034869	0.36146
	0.216334	2.122853	0.035207	0.362574
ZBTB9;PFDN6;ENSG00000272288;SNRPC	0.291837	2.124591	0.03506	0.362115
XPNPEP1	-0.27208	-2.11283	0.036069	0.365066
	-0.25906	-2.12535	0.034995	0.361872
	0.215036	2.128547	0.034726	0.361013
RPL23A	0.193171	2.126279	0.034917	0.361592
	0.202006	2.126394	0.034907	0.361543
	-0.1579	-2.12674	0.034878	0.361478
SHANK2-AS1;SHANK2;SHANK2-AS3	-0.32411	-2.12394	0.035115	0.362223
	0.261168	2.127364	0.034825	0.361326
GPR39;ENSG00000213222	-0.25526	-2.12405	0.035105	0.362223



ENSG00000264304 ANK2	-0.32996	-2.12894	0.034693	0.360911
	-0.28279	-2.12791	0.034779	0.361108
	0.191785	2.126586	0.034891	0.361506
	0.256934	2.128343	0.034743	0.36106
	0.195024	2.119461	0.035497	0.363401
	0.209677	2.118843	0.03555	0.363557
	-0.16798	-2.12075	0.035387	0.363007
	0.243843	2.12666	0.034885	0.361502
	-0.30278	-2.1251	0.035016	0.361928
	-0.31225	-2.12097	0.035368	0.363004
PGM2	-0.17281	-2.12424	0.035089	0.362223
EHD2;HRC;RASIP1;PLA2G4C;C5AR2;FUT2;MAMSTR;FAM83E	-0.3176	-2.12578	0.034959	0.361724
	0.218457	2.123413	0.035159	0.362427
	-0.28441	-2.12761	0.034805	0.361192
	-0.17963	-2.12049	0.035409	0.363046
	-0.13961	-2.1282	0.034755	0.361087
	0.140271	2.127882	0.034782	0.36112
ASPA;PLD2;ALOX15;P2RX5-TAX1BP3;P2RX5;TRPV3;C17orf85	-0.27482	-2.12896	0.034691	0.360911
	-0.19284	-2.1223	0.035254	0.362708
	-0.21108	-2.12677	0.034875	0.361478
	-0.1899	-2.12408	0.035102	0.362223
	-0.21227	-2.12512	0.035014	0.361928
SKI;ENSG00000217801;ENSG00000272106;VWA1;ANKRD65	-0.49749	-2.12653	0.034895	0.361506
	0.192508	2.122484	0.035238	0.36261
	0.173966	2.126196	0.034924	0.36161
	0.142297	2.122672	0.035223	0.362598
	0.183502	2.129939	0.034609	0.36071
CDH5;ATP6V0D1;CMTM4;TRADD;PSMB10;SLC12A4;GFOD2;EN KD1;FAM65A;TPPP3;RANBP10;TSNAXIP1 COG7;ERN2;ENSG00000261583;ENSG00000260136;SCNN1B;E EF2K;CDR2	-0.37219	-2.12415	0.035097	0.362223
	0.312796	2.12416	0.035096	0.362223
	0.214084	2.11726	0.035686	0.363878
	0.244684	2.125052	0.03502	0.361934
	0.311165	2.13135	0.034491	0.360313
	0.258041	2.128232	0.034752	0.361087
	0.187281	2.12825	0.034751	0.361087
	0.153046	2.124364	0.035079	0.362223
	-0.30632	-2.12589	0.034949	0.36168
	0.203411	2.127997	0.034772	0.361098
DOC2B	0.225432	2.12958	0.034639	0.360769
	0.344292	2.1267	0.034881	0.361478
	0.272612	2.12542	0.034989	0.36187
	0.153426	2.125485	0.034984	0.361857
	-0.24982	-2.12579	0.034958	0.361724

FCN1;SLC2A6;SARDH	-0.24752	-2.12581	0.034957	0.361724
	-0.23553	-2.12785	0.034784	0.361134
	-0.20442	-2.12966	0.034632	0.360769
	0.253582	2.120886	0.035375	0.363004
	-0.15814	-2.12444	0.035073	0.362192
CPNE5;PI16;CDKN1A;FGD2;RNF8	-0.30068	-2.1221	0.035271	0.362724
	-0.28723	-2.12089	0.035375	0.363004
	0.259497	2.126318	0.034913	0.361575
	-0.18411	-2.12839	0.034739	0.361052
	-0.18584	-2.12654	0.034895	0.361506
SH3TC1	0.228658	2.126607	0.034889	0.361506
	0.223185	2.126237	0.03492	0.361602
	-0.29928	-2.12203	0.035277	0.362724
GABPB2	0.185882	2.122227	0.03526	0.362724
	0.256436	2.12613	0.034929	0.361611
	0.197939	2.113926	0.035974	0.364596
	-0.22643	-2.12717	0.034842	0.361368
	0.217379	2.125185	0.035009	0.361928
RPS3AP26;LMTK2;BUD31	-0.18758	-2.12748	0.034816	0.361262
ENSG00000225914;C6orf10;NOTCH4	-0.46778	-2.12134	0.035336	0.362881
	-0.3178	-2.12467	0.035052	0.362068
	0.20341	2.127173	0.034841	0.361368
CLUAP1;CCDC64B;ENSG00000205890;PDPK1;IL32;ENSG00000262370;HAGH	-0.4354	-2.12908	0.034681	0.360911
	0.204824	2.126603	0.034889	0.361506
	0.125202	2.126448	0.034902	0.361543
	0.220889	2.126424	0.034904	0.361543
	-0.16699	-2.12495	0.035029	0.361959
	-0.17064	-2.11538	0.035848	0.364389
	0.23411	2.124686	0.035052	0.362067
	0.165474	2.11832	0.035595	0.363667
	-0.33299	-2.12163	0.035311	0.362789
	-0.24781	-2.12747	0.034816	0.361263
ZNF649;CLEC11A;SIGLEC6;ZNF614 LINC00643;MNAT1	-0.22677	-2.11531	0.035854	0.364389
	0.110774	2.131014	0.034519	0.360368
	0.224433	2.124115	0.0351	0.362223
	-0.19036	-2.12567	0.034968	0.361767
CORO7;ENSG00000205890;MMP25	0.335417	2.126844	0.034869	0.36146
	-0.1997	-2.12962	0.034635	0.360769
SUN1;HEATR2	0.342973	2.126938	0.034861	0.361428
	0.156862	2.121675	0.035307	0.362789
	0.154294	2.120236	0.03543	0.363104
	-0.15811	-2.1221	0.035271	0.362724
	-0.16025	-2.12543	0.034988	0.361868
	-0.19211	-2.12864	0.034717	0.360954
HES2	0.17994	2.124687	0.035051	0.362067
	0.247192	2.121612	0.035313	0.362789

SEC11A;NMB	0.15428	2.121187	0.035349	0.36293
	0.188257	2.12598	0.034942	0.361661
CDCP1;SLC6A20;ZNF660	0.147897	2.122046	0.035276	0.362724
	-0.21434	-2.12792	0.034778	0.361108
	0.144312	2.124183	0.035094	0.362223
	-0.29969	-2.11678	0.035727	0.363986
	0.229583	2.124952	0.035029	0.361959
	-0.312	-2.12369	0.035136	0.362369
	0.321865	2.127671	0.034799	0.361164
	-0.20316	-2.12601	0.03494	0.361655
	-0.23293	-2.12395	0.035114	0.362223
	0.247549	2.126652	0.034885	0.361502
	0.203303	2.122503	0.035237	0.36261
	0.170557	2.126226	0.034921	0.361603
	0.312517	2.128291	0.034747	0.361082
TBC1D10C;ALDH3B1;UNC93B1;ENSG00000255306;ENSG00000254610;AIP;GSTP1;FAM86C2P;TPCN2;MRGPRF;PITPNM1;ALDH3B2;ENSG00000251637;MTL5;SUV420H1	-0.27666	-2.12352	0.03515	0.362404
	0.188868	2.121988	0.035281	0.362724
	0.145348	2.125837	0.034954	0.361716
ENSG00000005189;CRYM	-0.33557	-2.12368	0.035137	0.362369
	-0.26259	-2.12433	0.035082	0.362223
	0.254547	2.117963	0.035625	0.363727
CD34;PFKFB2	0.209669	2.120608	0.035398	0.363037
	-0.21842	-2.12426	0.035087	0.362223
ARHGEF10;MYOM2 HCG25;PFDN6;UQCC2;SLC39A7;C6orf106 ZNF578	0.290449	2.110772	0.036248	0.365753
	0.188652	2.123618	0.035142	0.36239
	-0.22432	-2.12825	0.03475	0.361087
	0.216115	2.12801	0.034771	0.361098
	0.115682	2.120897	0.035374	0.363004
	0.226609	2.127167	0.034842	0.361368
	0.212086	2.125888	0.03495	0.36168
	0.232679	2.126738	0.034878	0.361478
	-0.28973	-2.12411	0.0351	0.362223
	0.20323	2.124232	0.03509	0.362223
CROCC	0.174314	2.127635	0.034802	0.361177
	0.222189	2.122226	0.03526	0.362724
	0.236579	2.125113	0.035015	0.361928
	0.286571	2.126036	0.034937	0.361648
	0.254489	2.126715	0.03488	0.361478
	-0.19325	-2.1218	0.035297	0.362779
	-0.14253	-2.11902	0.035534	0.363464
	0.317548	2.126749	0.034877	0.361478
	0.280305	2.126527	0.034896	0.361506
	0.287025	2.119321	0.035509	0.363416
GPSM1;EGFL7;PTGDS;UAP1L1 FRA10AC1	-0.25164	-2.12512	0.035015	0.361928
	-0.21407	-2.12073	0.035388	0.363007

	-0.19541	-2.1168	0.035725	0.363986
CLIC1;DDR1;HCP5;HSPA1A;HSPA1B;FKBP1;NELFE;NOTCH4;SLC4A4;LTB	-0.27143	-2.12473	0.035048	0.362056
	-0.265	-2.12778	0.03479	0.361134
ABTB1;FTH1P4;ENSG00000244300;MCM2	-0.21663	-2.12544	0.034988	0.361868
	-0.26396	-2.12714	0.034844	0.361368
	0.228407	2.121546	0.035318	0.362796
	-0.23554	-2.12514	0.035013	0.361928
	0.259418	2.124148	0.035097	0.362223
MASP1;LPP;ENSG00000213132	-0.29021	-2.11512	0.03587	0.364443
	0.202403	2.123604	0.035143	0.362393
	0.253325	2.124624	0.035057	0.362103
	0.239826	2.127998	0.034772	0.361098
COL25A1;OSTC;SGMS2;PAPSS1	0.261576	2.125214	0.035007	0.361928
CPXM2;LHPP;CTBP2;GPR26	-0.25981	-2.12351	0.035151	0.362404
	-0.28201	-2.12289	0.035204	0.36257
GATA2;CHCHD6;ENSG00000244300	0.136103	2.120677	0.035393	0.363034
	-0.18255	-2.12478	0.035044	0.36203
MAN2B1	-0.18715	-2.11816	0.035608	0.363727
PRICKLE1;ZCRB1	-0.29567	-2.12253	0.035235	0.36261
RPS6KA1	0.189435	2.122808	0.035211	0.362574
	-0.12732	-2.12199	0.035281	0.362724
SLC22A23;ENSG00000260604;SERPINB6;ENSG00000272320;BPHL	-0.31935	-2.12239	0.035247	0.362663
	0.208193	2.124424	0.035074	0.362192
CYGB	0.151407	2.120802	0.035382	0.363004
	0.166766	2.126983	0.034857	0.361423
ACAP1;XAF1;KCTD11	0.225747	2.126927	0.034862	0.361429
	-0.15054	-2.11966	0.03548	0.363368
ENSG00000223991;ENSG00000233392;ANKMY1	-0.12731	-2.12398	0.035112	0.362223
	-0.2792	-2.1233	0.035169	0.362471
GDPD5;ARRB1	-0.19145	-2.12411	0.0351	0.362223
LSP1;C11orf89;ATHL1;MRPL23;IFITM2;ENSG00000251661	-0.20362	-2.12209	0.035272	0.362724
F11R;PVRL4;MPZ;TSTD1;SDHC;ENSG00000213080;UFC1;ATP1A2;ADAMTS4;PPOX;USP21;C1orf192;OLFML2B;KLHDC9;PEA15;SLAMF1	-0.25698	-2.12213	0.035268	0.362724
	-0.23721	-2.11696	0.035712	0.363951
	-0.22892	-2.12447	0.035069	0.362183
CDHR4;IP6K1;RASSF1;ZMYND10;TCTA;TUSC2	-0.33193	-2.12431	0.035084	0.362223
HR;BMP1	0.227251	2.120608	0.035399	0.363037
ALDH1L2;APPL2;TCP11L2;C12orf75	-0.21012	-2.12153	0.03532	0.362796
	-0.20494	-2.12556	0.034978	0.36182
RASSF4	-0.24355	-2.12375	0.035131	0.362348
	-0.18157	-2.12296	0.035198	0.362527
CDC42;ALPL;HSPG2;ENSG00000232037;LDLRAD2;DDOST	-0.19155	-2.12711	0.034847	0.361376
	0.224785	2.122512	0.035236	0.36261

ENSG00000250206	-0.27662	-2.12413	0.035098	0.362223
KCNQ1	-0.17195	-2.12304	0.035192	0.362519
	-0.26205	-2.12683	0.03487	0.36146
	0.126398	2.122004	0.035279	0.362724
	0.188632	2.126034	0.034937	0.361648
BCL11A	-0.35576	-2.12164	0.035311	0.362789
TMC8	-0.35838	-2.12422	0.035091	0.362223
	0.158128	2.118519	0.035577	0.363599
	0.174094	2.120591	0.0354	0.363043
	0.217733	2.124323	0.035082	0.362223
NICN1;APEH;AMT	-0.17853	-2.12678	0.034874	0.361478
NRROS;SLC51A;MUC4;TCTEX1D2;MUC20	-0.45055	-2.1195	0.035494	0.363393
	-0.1628	-2.12347	0.035154	0.362404
	0.223352	2.125082	0.035018	0.361934
DAGLA;SLC15A3	0.253543	2.121995	0.03528	0.362724
HOXD-AS1;HOXD3	-0.17331	-2.12058	0.035401	0.363045
	-0.20119	-2.12245	0.035241	0.362617
	-0.18816	-2.11959	0.035485	0.363368
	-0.20936	-2.12559	0.034975	0.361807
CACNA1C;CACNA1C-AS4;ERC1	-0.28707	-2.11937	0.035505	0.363403
	0.222136	2.122273	0.035256	0.36272
	0.301148	2.12397	0.035112	0.362223
SERPINB9;ENSG00000270504;SLC22A23;BPHL	0.364521	2.124423	0.035074	0.362192
	0.203173	2.124838	0.035039	0.362003
CEP104	0.214034	2.128002	0.034771	0.361098
PPTC7;ARPC3;ANAPC7;GIT2	-0.57899	-2.12347	0.035154	0.362404
	-0.16473	-2.11835	0.035592	0.363667
	0.128215	2.126914	0.034863	0.361431
	0.15647	2.12039	0.035417	0.363063
GCLC	-0.22335	-2.12603	0.034937	0.361648
	0.321182	2.122573	0.035231	0.362608
	-0.13986	-2.12093	0.035371	0.363004
	0.216845	2.121933	0.035285	0.362731
	0.1619	2.120797	0.035382	0.363004
	-0.22415	-2.11854	0.035576	0.363599
	0.172821	2.121701	0.035305	0.362789
	0.239259	2.123187	0.035179	0.362496
	0.257667	2.120541	0.035404	0.363046
	0.115122	2.120213	0.035432	0.363104
CD79B	0.228439	2.125454	0.034986	0.361867
	-0.16831	-2.12516	0.035011	0.361928
	-0.19706	-2.1221	0.035271	0.362724
	-0.18695	-2.12518	0.03501	0.361928
	-0.26402	-2.12704	0.034852	0.361408
MYEOV2;C2orf54	-0.28902	-2.11296	0.036057	0.365002
	0.185665	2.1176	0.035656	0.363778
	-0.25597	-2.12602	0.034938	0.361648

GPR133;FZD10-AS1;FZD10;ENSG00000256151	0.159632	2.123689	0.035136	0.362369
	0.415609	2.117298	0.035682	0.36387
	0.194223	2.126701	0.034881	0.361478
	0.218921	2.123629	0.035141	0.362388
PCDHB12;PCDH12;PCDHGC3;PCDHB9;PCDHB7;PCDHGA5;PCDH B10;SPRY4;PCDHGA2;PCDHGA3;PCDHB16;PCDHB18;PCDHB11; PCDHGB7;PCDHB5;PCDHGA4;PCDHB15;PCDHGB2;ARAP3;PCDH AC1;PCDHB14;PCDHGB3;PCDHB8;PCDHGA6;PCDHB2;PCDHB13 ;PCDHB6;ENSG00000271871;PCDHGA7;PCDHGA9;ENSG00000 272108;PCDHGB6;PCDHGB1;PCDHB4;KIAA0141;PCDHB19P	0.26377	2.118272	0.035599	0.363685
	0.210113	2.125372	0.034993	0.36187
	0.185318	2.117907	0.03563	0.363729
	-0.34217	-2.12114	0.035353	0.362948
ENSG00000248441;NR2F2 ENSG00000237719;DEF6	-0.39718	-2.12083	0.03538	0.363004
	-0.10706	-2.12407	0.035104	0.362223
	-0.1402	-2.12515	0.035012	0.361928
	0.286903	2.120055	0.035446	0.363199
	0.198369	2.1237	0.035135	0.362369
	-0.26406	-2.12423	0.03509	0.362223
	0.282263	2.126537	0.034895	0.361506
	0.124809	2.126703	0.034881	0.361478
FMNL3;CCDC65;TMBIM6;COX14;TUBA1A;KCNH3;ENSG000002 58334;CERS5;LMBR1L TAP1	-0.209	-2.1239	0.035118	0.36225
	0.173227	2.115924	0.035801	0.364261
	0.187861	2.124124	0.035099	0.362223
	0.182192	2.124935	0.03503	0.361963
	-0.12944	-2.12089	0.035375	0.363004
	-0.1863	-2.11619	0.035778	0.364173
	-0.1788	-2.12481	0.035041	0.362021
	0.186847	2.122981	0.035196	0.362519
PSMD13	-0.19085	-2.1151	0.035872	0.364443
	-0.18387	-2.12538	0.034993	0.36187
FXVD3;KIAA0355;CLIP3;WTIP;ZNF792;SCN1B;FXVD5;CD22;DMK N;CAPNS1;GRAMD1A	-0.27377	-2.12334	0.035165	0.362446
	-0.18652	-2.11501	0.03588	0.364458
	-0.31063	-2.12258	0.03523	0.362608
	-0.20553	-2.12414	0.035098	0.362223
IKZF1;COBL	-0.13446	-2.12282	0.03521	0.362574
	0.220407	2.123235	0.035175	0.362471
	0.281775	2.125163	0.035011	0.361928
	0.333689	2.123073	0.035188	0.362519
ENSG00000255160;ENSG00000255308;E2F8;CSRP3	-0.23432	-2.12139	0.035331	0.362871
	0.202839	2.117203	0.035691	0.363895
	0.27209	2.118942	0.035541	0.363479
	-0.19443	-2.12303	0.035192	0.362519
	-0.18797	-2.12426	0.035088	0.362223

ATG4B	0.114401	2.125064	0.035019	0.361934
	0.236947	2.122694	0.035221	0.362598
	0.260149	2.121321	0.035338	0.362883
PRDM6	0.294122	2.122674	0.035222	0.362598
	0.301251	2.123175	0.03518	0.362498
REEP4	-0.17409	-2.12579	0.034958	0.361724
	-0.17835	-2.11904	0.035533	0.363464
	-0.20455	-2.11746	0.035669	0.363794
ENSG00000224814	0.216449	2.122026	0.035277	0.362724
	0.209345	2.125901	0.034949	0.36168
	0.159685	2.120347	0.035421	0.363083
KRT23	0.272963	2.122498	0.035237	0.36261
HCP5;TAP1;HLA-DMA;TAP2;HLA-DOA	-0.30541	-2.11963	0.035482	0.363368
	0.219937	2.122479	0.035239	0.36261
FOXP2	0.281285	2.123272	0.035171	0.362471
	-0.32038	-2.12199	0.035281	0.362724
	-0.1345	-2.11974	0.035472	0.363368
STARD4-AS1	0.266121	2.122165	0.035266	0.362724
MORN1	0.208651	2.12624	0.03492	0.361602
	0.281138	2.125078	0.035018	0.361934
	-0.15718	-2.12276	0.035215	0.362584
PREB	-0.1626	-2.11731	0.035682	0.36387
	0.283469	2.124052	0.035105	0.362223
SMIM5;RNF157-				
AS1;SMIM6;FBF1;FOXJ1;CYGB;FDXR;RNF157;TRIM65;ST6GALN				
AC2	-0.18972	-2.12231	0.035253	0.362708
	-0.33705	-2.12697	0.034859	0.361426
	0.277566	2.121986	0.035281	0.362724
	-0.11602	-2.12382	0.035125	0.362309
TBC1D10C;TCIRG1;PPP6R3;GSTP1;ADRBK1;ALDH3B1;UNC93B1	-0.26632	-2.12122	0.035346	0.362918
	-0.26986	-2.12319	0.035178	0.362496
	0.201107	2.122689	0.035221	0.362598
LAMA3;ANKRD29	-0.23111	-2.12114	0.035353	0.362948
	-0.26278	-2.11537	0.035848	0.364389
	-0.39118	-2.12327	0.035172	0.362471
FXYD3	0.099988	2.120073	0.035444	0.363192
	0.296759	2.126996	0.034856	0.36142
	-0.21803	-2.12034	0.035422	0.363083
BAIAP2;RNF213	0.293969	2.122876	0.035205	0.36257
	-0.17746	-2.12262	0.035227	0.362605
	0.156559	2.122686	0.035221	0.362598
NPR2;SPAG8;CCL19;FANCG	-0.24874	-2.11605	0.03579	0.364228
	-0.18216	-2.11784	0.035636	0.363732
	-0.23951	-2.11783	0.035637	0.363732
PILRA;AZGP1;AP1S1;AGFG2;COPS6	-0.2113	-2.11762	0.035655	0.363773
	-0.1845	-2.12364	0.035141	0.362388

SUN1;HEATR2	0.195502	2.120462	0.035411	0.363058
	0.248411	2.12577	0.03496	0.361724
	-0.3486	-2.11635	0.035764	0.364122
HCP5	0.244125	2.125361	0.034994	0.36187
	0.320336	2.122149	0.035267	0.362724
MIEN1	0.281141	2.120656	0.035394	0.363037
	0.230845	2.122562	0.035232	0.362608
	0.318748	2.119812	0.035467	0.363336
IL10RA;CD3G;AMICA1;RPL5P30				
MEOX1;ATP6V0A1;PTRF;AOC3;RUNDC1;RAMP2;CNTNAP1;CNT				
D1;BRCA1;MPP2;VPS25;GPATCH8	-0.34273	-2.11759	0.035657	0.363778
	-0.32477	-2.12155	0.035318	0.362796
	0.228564	2.114008	0.035966	0.36455
	0.172184	2.124725	0.035048	0.362056
	-0.38023	-2.12187	0.035291	0.362762
	0.223019	2.122297	0.035254	0.362708
	-0.47432	-2.11983	0.035465	0.363336
	0.291268	2.116072	0.035788	0.364226
	0.218716	2.114571	0.035918	0.364503
CEP85	0.215969	2.125229	0.035006	0.361928
	-0.14024	-2.1197	0.035476	0.363368
PLA2G10;ENSG00000262529;MKL2;NOMO1	0.251351	2.117831	0.035637	0.363732
	-0.17259	-2.12277	0.035214	0.362584
	0.197363	2.119634	0.035482	0.363368
	0.245292	2.116172	0.035779	0.364173
	0.236075	2.12136	0.035334	0.362874
	-0.38572	-2.12183	0.035294	0.362776
NPEPPS	0.279796	2.121251	0.035344	0.362918
	-0.14089	-2.1246	0.035059	0.362115
	-0.20727	-2.12074	0.035388	0.363007
	-0.15786	-2.11853	0.035576	0.363599
MTRNR2L4	0.236985	2.126345	0.034911	0.36156
PLAGL1;SF3B5	-0.32887	-2.11694	0.035713	0.363951
IQCA1;RAB17;COL6A3;COPS8;MLPH;ACKR3	-0.32199	-2.11762	0.035655	0.363773
	0.240421	2.11256	0.036092	0.365154
ST3GAL2;IL34;NQO1;SNTB2;TANGO6;CDH1;NFAT5;ENSG00000				
261777;HAS3	-0.29736	-2.11846	0.035582	0.36362
	0.090435	2.121228	0.035346	0.362918
	0.268862	2.118801	0.035553	0.363557
	-0.28061	-2.11467	0.035909	0.364503
ENSG00000248445	0.30063	2.122619	0.035227	0.362605
	0.234195	2.118504	0.035579	0.363602
	0.219818	2.12181	0.035296	0.362779
	0.134215	2.117091	0.0357	0.363922
	-0.27269	-2.11861	0.03557	0.363593
	0.199332	2.122845	0.035208	0.362574
OAZ1;NFIC;DOT1L	0.270517	2.121277	0.035341	0.362907
ENSG00000240751	-0.31718	-2.1235	0.035152	0.362404



OSR1;WDR35	-0.40473	-2.12399	0.03511	0.362223
	-0.31949	-2.11365	0.035998	0.364676
	-0.28778	-2.11389	0.035977	0.364606
FCRL5	-0.14535	-2.12177	0.035299	0.362779
	0.338801	2.123045	0.035191	0.362519
	0.180116	2.123483	0.035154	0.362404
	0.253934	2.122034	0.035277	0.362724
	-0.33548	-2.1183	0.035596	0.363668
	0.171615	2.121932	0.035286	0.362731
	0.136951	2.118641	0.035567	0.363593
VASH1;IFT43;GPATCH2L;CIPC;AHSA1;SAMD15;TGFB3;TTLL5;SP TLC2;ANGEL1;C14orf1;NOXRED1 EGFL7;GPSM1	0.185082	2.119131	0.035525	0.363462
	0.157089	2.120565	0.035402	0.363046
	-0.34025	-2.12567	0.034968	0.361767
	0.226865	2.12365	0.035139	0.362387
TMEM108;ENSG00000251011	-0.30773	-2.11654	0.035748	0.364051
	-0.33094	-2.12394	0.035115	0.362223
DOK2	-0.27592	-2.1238	0.035127	0.362309
MFNG;ANKRD54;IFT27;LGALS1;CDC42EP1;SOX10;CSF2RB;CAR D10	-0.38416	-2.11916	0.035522	0.363455
	-0.15336	-2.12179	0.035298	0.362779
MAK;C6orf52;SYCP2L;TMEM14B;NEDD9	0.343048	2.117562	0.03566	0.363779
	0.253992	2.119387	0.035503	0.363403
	0.160168	2.11802	0.03562	0.363727
OAS2;OAS1	-0.36408	-2.1256	0.034974	0.361807
	0.162131	2.122459	0.035241	0.362617
RNASET2	-0.21051	-2.12177	0.0353	0.362779
	0.293333	2.118645	0.035567	0.363593
	-0.15752	-2.11941	0.035501	0.363401
	0.2594	2.121671	0.035308	0.362789
	0.220299	2.122532	0.035234	0.36261
	0.128189	2.122873	0.035205	0.36257
C1QBP;PSMB6	0.152909	2.116783	0.035727	0.363986
	-0.16705	-2.11905	0.035532	0.363464
ENSG00000262370;IL32;HN1L;ENSG00000205890;UNKL;PRSS2 2;TMEM204;ABCA3;CCDC64B;TPSD1;PAQR4;ENSG0000026005 1	-0.25803	-2.12039	0.035417	0.363063
GPR133;ENSG00000256151	-0.22523	-2.12404	0.035106	0.362223
ENSG00000214870;CYCS	0.242281	2.121607	0.035313	0.362789
	-0.1361	-2.122	0.035279	0.362724
ANK2;ARSJ	0.197237	2.121432	0.035328	0.362847
SLMO2;PMEPA1;APCDD1L;PPP4R1L	-0.3023	-2.12039	0.035417	0.363063
ABHD11;WBSCR27;WBSCR22;CLDN4;CLIP2;ELN;CLDN3;ENSG00 000232415	-0.46464	-2.12081	0.035382	0.363004
ENSG00000267262	0.237883	2.121907	0.035288	0.362741
	0.241122	2.116386	0.035761	0.364122
CPT1A	-0.35226	-2.11739	0.035675	0.363837

FENDRR;ENSG00000262601 UNC13B	0.238642	2.116222	0.035775	0.364163
	0.228307	2.121087	0.035358	0.362966
	0.221461	2.119215	0.035518	0.363445
	0.267908	2.116474	0.035753	0.364082
	0.311856	2.121553	0.035318	0.362796
MRGPRF;TPCN2	0.303634	2.121685	0.035307	0.362789
	0.200639	2.121517	0.035321	0.362798
	0.28373	2.122519	0.035236	0.36261
SLCO4A1;SLC17A9;COL9A3;C20orf166- AS1;GID8;GATA5;OSBPL2	-0.27713	-2.11452	0.035922	0.364503
	-0.39441	-2.12256	0.035232	0.362608
	0.20547	2.121029	0.035363	0.362983
ARHGAP32;FLI1;ETS1	0.280042	2.12027	0.035427	0.363098
	0.220169	2.112751	0.036076	0.365084
	0.25766	2.119878	0.035461	0.363311
DNAJC16;FBLIM1;RSG1;KAZN	-0.31302	-2.11545	0.035842	0.364377
	0.241634	2.114548	0.03592	0.364503
	-0.27922	-2.11831	0.035595	0.363667
	-0.33186	-2.12001	0.035449	0.363223
	0.131405	2.120828	0.03538	0.363004
RGS22;C8orf47	0.230866	2.117782	0.035641	0.363732
	-0.17351	-2.1149	0.035889	0.364479
	0.201086	2.117692	0.035649	0.363761
	0.224131	2.119623	0.035483	0.363368
IL2RB;RAC2	-0.19224	-2.12449	0.035068	0.362174
	-0.16336	-2.12149	0.035323	0.362807
CCDC33;SEMA7A;HCN4	0.212965	2.12359	0.035144	0.362397
	0.213277	2.120008	0.03545	0.363223
	-0.44922	-2.12184	0.035293	0.362774
MZB1;IK;ECSCR;ZMAT2	-0.28445	-2.10944	0.036364	0.36614
	0.251548	2.116318	0.035767	0.364123
E2F1;TSPY26P	0.225037	2.120327	0.035423	0.363083
	0.21634	2.122002	0.03528	0.362724
RAET1E;IYD;LRP11;PPP1R14C;ENSG00000268592	-0.23671	-2.11538	0.035848	0.364389
	-0.142	-2.12352	0.035151	0.362404
TSPAN4;IGF2;MRPL23;TSPAN32	-0.24789	-2.12049	0.035409	0.363046
	0.133353	2.117059	0.035703	0.363932
CCDC30	0.21949	2.1172	0.035691	0.363895
KIAA1755	-0.19996	-2.11382	0.035983	0.364624
UNC13D;RHBDF2;SMIM5;SLC16A5;ICT1	-0.20446	-2.12153	0.03532	0.362796
	-0.69964	-2.12399	0.035111	0.362223
	-0.20537	-2.1203	0.035425	0.363095
	0.271155	2.124413	0.035075	0.362192
DPEP2;RLTPR	0.303743	2.117315	0.035681	0.36387
	0.141001	2.123989	0.035111	0.362223
	0.207394	2.118807	0.035553	0.363557
PPP1R18;TNXB;C6orf48;GNL1				

MIR143HG;MIR145;ENSG00000253864;PDGFRB;CSNK1A1;MIR143;SYNPO;ABLIM3;NDST1;ARSI;HMGXB3;ENSG00000253406	-0.32483	-2.12051	0.035407	0.363046
	-0.18211	-2.12052	0.035406	0.363046
	0.131178	2.120671	0.035393	0.363034
MACC1;ITGB8;ENSG00000233834;ENSG00000271133	0.270423	2.1181	0.035613	0.363727
	0.314437	2.121657	0.035309	0.362789
	-0.18873	-2.12049	0.035409	0.363046
MKNK1;SPATA6;ENSG00000236476	0.26248	2.123118	0.035185	0.362519
MRPL52;SLC22A17;PSMB5;C14orf119;EFS	-0.23627	-2.11838	0.035589	0.363646
	-0.25164	-2.12087	0.035376	0.363004
	0.224821	2.119159	0.035523	0.363455
	0.250509	2.119593	0.035485	0.363368
	-0.42052	-2.12039	0.035417	0.363063
SFT2D1	-0.26703	-2.11927	0.035513	0.363432
C12orf54	-0.11316	-2.11708	0.035701	0.363922
	-0.19208	-2.12174	0.035302	0.362783
ZBTB4;CLDN7;SLC2A4;DVL2;ATP1B2;MIR497HG	0.158579	2.121549	0.035318	0.362796
	-0.19725	-2.11593	0.0358	0.364261
STMN3;SLC17A9	0.198187	2.119525	0.035491	0.363377
	-0.12931	-2.1159	0.035803	0.364261
SSTR2	-0.45198	-2.11782	0.035637	0.363732
	-0.22776	-2.11769	0.035649	0.363761
STAT5B;ATP6V0A1;FKBP10;VPS25;STAT5A	-0.24257	-2.12099	0.035366	0.363004
	-0.17976	-2.11499	0.035882	0.364458
	0.247987	2.121027	0.035363	0.362983
	-0.26212	-2.11741	0.035673	0.363828
	0.196089	2.116958	0.035712	0.363951
NAP1L4	-0.20154	-2.12083	0.035379	0.363004
	0.198523	2.121202	0.035348	0.362926
	0.233911	2.118517	0.035578	0.363599
SLC2A4RG;STMN3;SOX18;ENSG00000267848;ZBTB46;C20orf195;ZNF512B	-0.44656	-2.12111	0.035356	0.362964
	0.227414	2.119756	0.035471	0.363368
	-0.2286	-2.12304	0.035191	0.362519
	0.151757	2.111579	0.036177	0.365466
	-0.1753	-2.12109	0.035357	0.362966
	0.220387	2.108831	0.036417	0.366375
	0.140297	2.115486	0.035839	0.364363
	-0.25503	-2.11819	0.035606	0.363713
	0.116737	2.12266	0.035224	0.362599
	0.117185	2.117633	0.035654	0.363773
	-0.10186	-2.12104	0.035362	0.362983
	0.237585	2.118661	0.035565	0.363593
H3F3AP6;SCOC;ELMOD2	-0.24988	-2.12472	0.035049	0.362056
HCP5;HLA-B;HLA-DRA;HLA-C;LTB;C2;MICB;GPSM3;PPP1R10	0.452786	2.122686	0.035221	0.362598

MVP;PPP4C;TMEM219;C16orf54;DCTPP1;SEPHS2;SETD1A;SEZ6  
L2;ITGAL;TAOK2

0.306304	2.117875	0.035633	0.363732
0.213129	2.117244	0.035687	0.363883
0.219767	2.113758	0.035988	0.364624
-0.22132	-2.11953	0.035491	0.363377
0.180864	2.115864	0.035806	0.364276
0.341929	2.123382	0.035162	0.36243
0.211081	2.119944	0.035455	0.363262
-0.2547	-2.12276	0.035215	0.362584
0.170724	2.117741	0.035644	0.363748
0.254749	2.122149	0.035267	0.362724
0.106949	2.122832	0.035209	0.362574
-0.262	-2.12261	0.035227	0.362605
-0.16149	-2.11933	0.035508	0.363416
0.211318	2.114387	0.035934	0.364503
-0.1558	-2.12222	0.035261	0.362724
-0.26617	-2.11722	0.03569	0.363895
-0.18879	-2.11661	0.035742	0.364034
0.109033	2.11439	0.035933	0.364503
0.221078	2.114884	0.035891	0.364479
-0.1358	-2.11919	0.03552	0.363445
0.262339	2.120852	0.035378	0.363004

NOS3;SMARCD3;CDK5;GIMAP8;RARRES2;GIMAP6;GIMAP1;REP  
IN1

-0.15041	-2.11871	0.035561	0.36359
-0.23226	-2.11974	0.035473	0.363368
-0.22956	-2.11429	0.035942	0.364503
-0.45753	-2.12079	0.035383	0.363004
0.327556	2.113131	0.036043	0.364922
0.264934	2.119368	0.035505	0.363403

ACAP1;KCTD11;CTC1;CLEC10A;EFNB3;ENSG00000263316;CYB5  
D1;KIAA0753;CLDN7

-0.17909	-2.12174	0.035302	0.362783
0.147047	2.112598	0.036089	0.36514
0.174254	2.118996	0.035537	0.363464
-0.2539	-2.12054	0.035405	0.363046
0.245908	2.11193	0.036147	0.365389

TMC8

0.20591	2.120188	0.035434	0.363109
0.228972	2.118794	0.035554	0.363557

HMGN1

0.228764	2.113583	0.036003	0.364687
0.145073	2.118154	0.035609	0.363727
0.191894	2.109746	0.036337	0.366095

TGFB1;SPOCK1;CXCL14

0.23719	2.120938	0.03537	0.363004
0.25583	2.117539	0.035662	0.363779
0.505292	2.120842	0.035378	0.363004

TXNRD2

-0.37325	-2.12043	0.035413	0.363058
0.269718	2.119826	0.035465	0.363336
0.26103	2.120759	0.035386	0.363007
-0.19742	-2.11717	0.035694	0.363906

ITGA11 HSD17B8;HLA-DPB1;TAPBP;HLA-DPA1;UQCC2	0.252607	2.114361	0.035936	0.364503
	0.213443	2.114449	0.035928	0.364503
	0.221791	2.116359	0.035763	0.364122
	0.268595	2.122127	0.035269	0.362724
	-0.20945	-2.12137	0.035334	0.362874
INPP5K;FAM101B;MYO1C;C17orf97;RPH3AL;TLCD2;SCARF1;Y WHAE	-0.19479	-2.11915	0.035523	0.363455
	0.258434	2.112571	0.036091	0.365154
	0.326658	2.1178	0.035639	0.363732
	0.199054	2.120773	0.035384	0.363007
	0.249107	2.114599	0.035915	0.364503
SKI;VWA1;MXRA8;ANKRD65	-0.2439	-2.11602	0.035793	0.364241
	0.131653	2.119212	0.035518	0.363445
	-0.34627	-2.11757	0.035659	0.363779
CAND2	0.19331	2.119005	0.035536	0.363464
	0.189403	2.11015	0.036302	0.365971
	0.316749	2.121792	0.035297	0.362779
	0.20395	2.112274	0.036117	0.365278
	-0.21825	-2.11781	0.035638	0.363732
ENSG00000203327	-0.32366	-2.11807	0.035616	0.363727
	0.145642	2.115647	0.035825	0.364342
	0.268074	2.119384	0.035503	0.363403
HERPUD1;GPR114;CIAPIN1;MT2A DENND1A;NEK6 RPS18	-0.22551	-2.11376	0.035988	0.364624
	-0.18852	-2.11972	0.035474	0.363368
	0.323497	2.12299	0.035195	0.362519
PPP1R32;LRRC10B	-0.22567	-2.11963	0.035483	0.363368
	0.287086	2.111297	0.036202	0.365551
	0.185966	2.110298	0.036289	0.36595
ENSG00000235131;TP73	-0.57255	-2.11765	0.035652	0.363773
	0.213641	2.117174	0.035693	0.363906
	0.151051	2.116041	0.035791	0.364228
	0.282474	2.120214	0.035432	0.363104
	-0.24755	-2.11904	0.035533	0.363464
DENND2A;TTC26;JHDM1D-AS1;ATP6V0A4	0.198545	2.121968	0.035282	0.362724
	0.170118	2.118023	0.03562	0.363727
	-0.23974	-2.12127	0.035342	0.362907
	-0.22065	-2.10745	0.036539	0.366816
	-0.13094	-2.11755	0.035661	0.363779
ARID3A;HMHA1;GNG7;REEP6;GPX4;MOB3A BANP	0.207731	2.117975	0.035624	0.363727
	0.411455	2.115604	0.035828	0.364342
	0.161684	2.118989	0.035537	0.363464
	0.23035	-2.11796	0.035625	0.363727
	0.197658	2.115624	0.035827	0.364342
RHBDF2;HN1;RNF157- AS1;ENSG00000265800;FOXJ1;SRSF2;LINC00338;RNF157;ST6G ALNAC2;WBP2	0.251441	2.118123	0.035611	0.363727
	-0.20457	-2.11901	0.035535	0.363464
ENSG00000222489				

CEP41;NRF1;KLHDC10;UBE2H;SMKR1;SMO	0.105907	2.121967	0.035283	0.362724
	0.220192	2.118195	0.035605	0.363713
	-0.28046	-2.11906	0.035531	0.363464
	0.252793	2.116505	0.035751	0.364063
	0.272261	2.120331	0.035422	0.363083
FXYD3;KIAA0355;GRAMD1A;WTIP;CLIP3;SCN1B;COX6B1	-0.27467	-2.1169	0.035717	0.363957
	-0.28954	-2.1163	0.035768	0.36413
	-0.33761	-2.12023	0.035431	0.363104
	-0.17638	-2.1146	0.035915	0.364503
	-0.22243	-2.11536	0.03585	0.364389
	-0.211	-2.11376	0.035988	0.364624
	0.27219	2.122141	0.035268	0.362724
	-0.26777	-2.1151	0.035872	0.364443
	0.194355	2.111847	0.036154	0.365389
	-0.18573	-2.11474	0.035903	0.36448
	-0.20499	-2.1182	0.035605	0.363713
	0.245031	2.096057	0.037551	0.370393
	-0.18056	-2.12027	0.035427	0.363098
	0.204339	2.119408	0.035501	0.363401
PCDH12;SPRY4;PCDHGC3;PCDHGB2;FGF1;PCDHGA5;PCDHGA2; PCDHGA3;PCDHGB7;KIAA0141;ARAP3;PCDHGA6;PCDHGA9;PC DHGA12;ENSG00000271871;PCDH1	0.324832	2.115496	0.035838	0.364363
	0.263994	2.121361	0.035334	0.362874
	0.211378	2.118391	0.035588	0.363646
	0.199005	2.112714	0.036079	0.365084
	0.359131	2.114774	0.0359	0.364479
ENSG00000214784	0.183194	2.120279	0.035427	0.363098
	-0.27367	-2.11543	0.035844	0.364384
	-0.19089	-2.10481	0.036771	0.367607
	0.215657	2.115279	0.035856	0.364389
	0.204047	2.118768	0.035556	0.363571
KCNJ14	0.222614	2.117491	0.035666	0.363784
	0.188308	2.113048	0.03605	0.364952
	-0.22523	-2.11611	0.035785	0.364212
	0.265171	2.12256	0.035232	0.362608
	0.341404	2.118641	0.035567	0.363593
STOX1;PBLD	0.149585	2.118399	0.035588	0.363646
	0.371485	2.119537	0.03549	0.363377
	-0.15932	-2.1153	0.035855	0.364389
	0.315203	2.115055	0.035876	0.364444
	0.251162	2.119571	0.035487	0.363372
ZBTB9;SYNGAP1;ANKS1A;RING1;UHRF1BP1;RGL2 ZNF423;NKD1;ENSG00000260029 TAP2;NOTCH4 ENSA;OTUD7B	0.295791	2.110217	0.036296	0.365953
	-0.21055	-2.12115	0.035352	0.362948
	-0.28611	-2.11869	0.035563	0.36359
	0.120407	2.120201	0.035433	0.363106
	-0.32241	-2.11912	0.035526	0.363464
	0.190656	2.113244	0.036033	0.364892

HES2;ICMT;KCNAB2;ESPN	0.42707	2.115853	0.035807	0.364276
RNU1-4;RNU1-2	0.181395	2.119441	0.035498	0.363401
	-0.23135	-2.11962	0.035483	0.363368
	0.184169	2.118604	0.03557	0.363593
	-0.38761	-2.1196	0.035485	0.363368
	0.296641	2.116658	0.035738	0.364014
FCHO1;JAK3;IL12RB1;LRRC25;BST2	-0.21874	-2.11691	0.035716	0.363957
	0.229508	2.115538	0.035834	0.364357
	0.572537	2.118566	0.035573	0.363599
ENSG00000269948	0.297568	2.118611	0.03557	0.363593
	-0.39374	-2.11547	0.03584	0.364363
	-0.2452	-2.11953	0.035491	0.363377
	0.25172	2.116329	0.035766	0.364122
	-0.13636	-2.11847	0.035582	0.36362
	0.202456	2.119588	0.035486	0.363368
ASS1;AIF1L;POMT1;GPR107	-0.29482	-2.11825	0.035601	0.363697
CDC20B;ARL15	0.340374	2.117971	0.035625	0.363727
	0.231328	2.117651	0.035652	0.363773
	0.258264	2.119054	0.035532	0.363464
ARHGAP30	-0.22105	-2.11571	0.035819	0.364334
SKI;CEP104;TP73-AS1;RER1;MEGF6	0.320087	2.117041	0.035705	0.363939
	-0.14723	-2.11699	0.035709	0.363951
	-0.25872	-2.11959	0.035485	0.363368
	0.302389	2.111064	0.036222	0.365625
MRPL23;IGF2;CARS	-0.30688	-2.11549	0.035838	0.364363
	-0.16091	-2.1146	0.035915	0.364503
	0.247011	2.117137	0.035696	0.363906
PRSS12;SYNPO2	-0.33936	-2.11645	0.035755	0.364094
	-0.24268	-2.11561	0.035828	0.364342
FGFR4;ARL10;TMED9;COL23A1;TSPAN17	-0.31122	-2.12064	0.035396	0.363037
	0.368447	2.11997	0.035453	0.363247
	0.235792	2.114058	0.035962	0.364544
TRPM2;ITGB2	0.27163	2.117917	0.035629	0.363729
	-0.15843	-2.11842	0.035586	0.363646
	0.237266	2.121616	0.035312	0.362789
NRM;VWA7;GNL1;TNXB;SLC44A4;TUBB	0.165344	2.114046	0.035963	0.364544
	0.201569	2.118798	0.035553	0.363557
ZMAT4;IDO1	0.217749	2.11935	0.035506	0.363409
ENSG00000272808	-0.31577	-2.11236	0.03611	0.365249
	0.260362	2.119309	0.03551	0.363418
	0.241432	2.119264	0.035514	0.363432
	0.355399	2.120454	0.035412	0.363058
	0.23928	2.119424	0.0355	0.363401
FCHSD2;PDE2A;DNAJB13	0.315399	2.119196	0.035519	0.363445
HMHA1;ARID3A	-0.23462	-2.11476	0.035902	0.364479
	0.208316	2.113635	0.035999	0.364678
	-0.23167	-2.11273	0.036077	0.365084

BCAS1;DOK5	-0.26557	-2.11076	0.036249	0.365753
SUN1;MAD1L1	-0.26212	-2.12162	0.035312	0.362789
	0.22621	2.114334	0.035938	0.364503
	-0.29979	-2.1157	0.03582	0.364334
	0.217767	2.118962	0.035539	0.36347
	-0.228	-2.12085	0.035378	0.363004
	0.233247	2.114307	0.035941	0.364503
	-0.12839	-2.112	0.03614	0.365389
CDC25B;HSPA12B	-0.28395	-2.11765	0.035652	0.363773
CLMP	-0.27962	-2.11572	0.035818	0.364334
	-0.24388	-2.1197	0.035476	0.363368
	0.15962	2.114086	0.03596	0.364544
	-0.35927	-2.11927	0.035513	0.363432
	-0.10131	-2.11442	0.035931	0.364503
	-0.18397	-2.11449	0.035925	0.364503
KIAA0556;TUFM;GTF3C1;ENSG00000260908;NUPR1;SULT1A1;CD19	-0.28666	-2.11509	0.035872	0.364443
	-0.20887	-2.11941	0.035501	0.363401
	-0.2369	-2.11623	0.035774	0.364163
PXDN;SNTG2	-0.43638	-2.11853	0.035577	0.363599
	-0.2455	-2.11824	0.035602	0.363697
	0.255514	2.115816	0.03581	0.364294
PADI1;MFAP2;EPHA2;PADI2	-0.28752	-2.11714	0.035696	0.363906
	-0.19935	-2.11775	0.035644	0.363748
ENSG00000266936	-0.17514	-2.11833	0.035593	0.363667
	0.225801	2.11404	0.035964	0.364544
	-0.1995	-2.11921	0.035518	0.363445
	-0.34338	-2.11944	0.035498	0.363401
PIEZO1;GALNS	0.185443	2.116744	0.03573	0.363993
	0.242657	2.117344	0.035678	0.363856
LINC00284	0.297802	2.116903	0.035716	0.363957
	-0.20967	-2.11791	0.03563	0.363729
C1QTNF1;TNRC6C;ENSG00000178404;TIMP2;USP36;TMC6;DN	0.203332	2.117531	0.035662	0.363779
AH17;ENSG00000267491	0.252907	2.109656	0.036345	0.366105
	-0.17472	-2.11174	0.036163	0.365408
	0.223189	2.118106	0.035613	0.363727
	-0.24897	-2.11855	0.035575	0.363599
C17orf62;WDR45B;MAFG-AS1;PCYT2	-0.1769	-2.11857	0.035573	0.363599
	-0.2401	-2.11441	0.035932	0.364503
	0.230639	2.109864	0.036327	0.366043
RNF32;C7orf13	-0.20412	-2.11682	0.035724	0.363986
	-0.23557	-2.11371	0.035992	0.364643
SKI	0.207124	2.112689	0.036081	0.365084
	0.266687	2.115793	0.035812	0.364306
	0.237805	2.116522	0.035749	0.364057
	-0.23043	-2.11292	0.036061	0.36502



	0.237529	2.114335	0.035938	0.364503
JAK3;FCHO1;IL12RB1;MAST3;FAM129C;ELL;ARRDC2;LRRC25	-0.22261	-2.11391	0.035975	0.364601
	0.190353	2.109329	0.036374	0.366169
	-0.27768	-2.11332	0.036027	0.364838
	0.196979	2.109545	0.036355	0.36614
MTMR14;GHRLOS;ENSG00000206567;SRGAP3-AS2	-0.30949	-2.1161	0.035786	0.364212
	-0.15767	-2.11135	0.036197	0.365551
FGF2;SPRY1	0.228522	2.113335	0.036025	0.364838
	0.4196	2.117982	0.035624	0.363727
	-0.24593	-2.11665	0.035738	0.364014
	-0.14501	-2.11668	0.035736	0.364014
SCMH1;PPCS;ENSG00000230638;FOXO6;ZMYND12	-0.25374	-2.11801	0.035621	0.363727
SLC7A5	0.24854	2.118696	0.035562	0.36359
CTTN	-0.26854	-2.11925	0.035515	0.363439
MRC2;MILR1;LIMD2;CD79B;CYB561;ENSG00000264954;ERN1; ACE;C17orf72;ENSG00000265702;METTL2A;DDX5;MARCH10 MYO9A	-0.29626	-2.11981	0.035467	0.363336
	0.319269	2.117977	0.035624	0.363727
	0.184631	2.114776	0.0359	0.364479
	0.1489	2.113774	0.035987	0.364624
	-0.1719	-2.11526	0.035858	0.364389
	0.246638	2.118401	0.035588	0.363646
	0.232629	2.120647	0.035395	0.363037
	0.157633	2.117091	0.0357	0.363922
	0.189526	2.117904	0.03563	0.363729
	0.279129	2.114434	0.03593	0.364503
SNORA53	0.336541	2.118704	0.035562	0.36359
MFNG;IFT27;ANKRD54;LGALS1;C22orf23;SUN2;CSF2RB;CDC42 EP1;FAM227A;SOX10;CBY1;CARD10	-0.25389	-2.11427	0.035944	0.364503
	0.169776	2.11289	0.036063	0.365034
	0.194646	2.114843	0.035894	0.364479
	-0.36227	-2.11695	0.035712	0.363951
	0.178283	2.118973	0.035539	0.36347
	-0.29061	-2.1103	0.036289	0.36595
	0.15533	2.115757	0.035815	0.364329
	0.220204	2.117495	0.035665	0.363784
	0.249694	2.113345	0.036024	0.364838
	0.242618	2.116952	0.035712	0.363951
	0.213358	2.116942	0.035713	0.363951
	-0.27866	-2.11595	0.035799	0.364261
ENSG00000238160;PDLIM4;C5orf56	-0.20597	-2.11729	0.035683	0.363872
UNC93B1;GSTP1;FAM86C2P;ALDH3B1;MRGPRF;PITPNM1;ALD H3B2;ENSG00000255306;ENSG00000254610;TBC1D10C;AIP	-0.27354	-2.11481	0.035897	0.364479
	-0.22966	-2.119	0.035537	0.363464
FAM60A;DENND5B	0.289239	2.114597	0.035915	0.364503

	0.237661	2.109965	0.036318	0.366023
	0.240062	2.113341	0.036024	0.364838
	-0.45257	-2.11958	0.035486	0.363368
	0.286923	2.115661	0.035824	0.364342
	-0.19817	-2.1138	0.035985	0.364624
APBA2	-0.34122	-2.10661	0.036612	0.367063
	-0.17137	-2.11023	0.036295	0.365953
	0.143335	2.111665	0.03617	0.365425
TMEM80;TSPAN4	-0.19941	-2.11779	0.03564	0.363732
	0.218621	2.11512	0.03587	0.364443
	-0.33984	-2.12022	0.035432	0.363104
LGR6;LMOD1;PPP1R12B;ELF3;CSRP1;RNPEP;IPO9	-0.25363	-2.11244	0.036103	0.365212
	0.29476	2.117915	0.035629	0.363729
SLCO2A1	0.25614	2.112634	0.036086	0.365117
	0.156666	2.108957	0.036406	0.366363
	0.171178	2.115895	0.035803	0.364261
ADAMTS17;ENSG00000259363;DNM1P46	-0.28094	-2.10614	0.036654	0.367137
SH3BP2;STX18;FAM193A	-0.40378	-2.11902	0.035535	0.363464
	0.279242	2.117347	0.035678	0.363856
	-0.12729	-2.11506	0.035875	0.364444
	0.188722	2.109334	0.036373	0.366169
	-0.33039	-2.11406	0.035962	0.364544
	0.232235	2.107237	0.036557	0.366866
	0.246155	2.114297	0.035941	0.364503
	0.192434	2.120091	0.035443	0.363186
	-0.17661	-2.11569	0.035821	0.364334
SEMA7A	-0.18211	-2.11812	0.035612	0.363727
ITGAX;PRSS53;ITGAL	-0.22042	-2.11677	0.035728	0.363986
TTYH2;SLC16A5;FDXR;ICT1;MRPS7;GPRC5C;SLC9A3R1;HN1	-0.22454	-2.112	0.036141	0.365389
	-0.28186	-2.11833	0.035594	0.363667
	0.162337	2.117453	0.035669	0.363794
CD22	-0.28438	-2.11556	0.035832	0.364344
CHST15;ADAM12	-0.13176	-2.11524	0.03586	0.364393
FBXO17;ZNF546;PLD3	-0.29913	-2.1151	0.035872	0.364443
SLC50A1;SHE;TDRD10;LAMTOR2	-0.22247	-2.10894	0.036408	0.366363
	0.223606	2.11405	0.035963	0.364544
	-0.20439	-2.11436	0.035936	0.364503
GOLGA3	-0.20419	-2.11483	0.035896	0.364479
	0.279786	2.118706	0.035561	0.36359
	0.171821	2.11528	0.035856	0.364389
	0.22468	2.115139	0.035869	0.364443
	0.195877	2.114948	0.035885	0.364476
TMEM255B	0.185274	2.108867	0.036414	0.366375
	0.19316	2.116842	0.035722	0.363984
	0.285996	2.11641	0.035759	0.36412
	0.144355	2.117518	0.035664	0.363782

SLC17A9	0.204998	2.114759	0.035901	0.364479
	-0.35336	-2.11434	0.035938	0.364503
	-0.12602	-2.11796	0.035626	0.363727
	-0.17817	-2.11439	0.035933	0.364503
	0.278168	2.115664	0.035823	0.364342
	-0.30831	-2.11782	0.035638	0.363732
	0.280196	2.116281	0.03577	0.364138
	0.120887	2.114024	0.035965	0.364544
PIGB	0.169928	2.111981	0.036142	0.365389
	-0.3151	-2.11593	0.0358	0.364261
	-0.3957	-2.11559	0.03583	0.364342
	0.150654	2.114989	0.035882	0.364458
	-0.15208	-2.11244	0.036103	0.365212
	-0.21132	-2.11559	0.03583	0.364342
	0.233723	2.104407	0.036807	0.367685
	0.296564	2.106253	0.036644	0.367137
PUS10	0.27394	2.114027	0.035965	0.364544
PDE2A;FCHSD2;STARD10;MRPL48;PPME1;P2RY2;COA4;ARHGEF17	-0.33638	-2.11527	0.035857	0.364389
	0.182703	2.117537	0.035662	0.363779
	-0.22354	-2.11539	0.035847	0.364389
	0.175008	2.117734	0.035645	0.363748
	0.244258	2.114969	0.035883	0.364467
	0.223146	2.103321	0.036903	0.368061
	0.21614	2.111453	0.036188	0.365551
	-0.16324	-2.11552	0.035836	0.364363
	-0.19346	-2.11145	0.036189	0.365551
	-0.30015	-2.1103	0.036289	0.36595
	-0.20249	-2.117	0.035708	0.363951
	-0.1797	-2.11244	0.036103	0.365212
	0.275496	2.107508	0.036533	0.366791
	-0.17498	-2.10874	0.036425	0.3664
	-0.30931	-2.1114	0.036193	0.365551
	0.273888	2.115318	0.035853	0.364389
	-0.28768	-2.11591	0.035802	0.364261
	-0.2325	-2.11124	0.036207	0.365551
VAV1;DENND1C	-0.14819	-2.11441	0.035932	0.364503
	0.212259	2.116548	0.035747	0.364051
	-0.22826	-2.11677	0.035728	0.363986
	-0.17796	-2.11684	0.035721	0.363984
	0.137507	2.118015	0.035621	0.363727
	-0.20733	-2.11465	0.035911	0.364503
	-0.2771	-2.10652	0.036621	0.367064
	0.289779	2.113745	0.035989	0.364624
	-0.14732	-2.1149	0.035889	0.364479
	-0.2356	-2.11419	0.035951	0.364544
RASAL3;HSH2D	0.182919	2.114892	0.03589	0.364479
ATRN1;GFRA1				

	0.123851	2.117853	0.035635	0.363732
	0.251975	2.116233	0.035774	0.364163
	0.222215	2.11483	0.035895	0.364479
	0.169958	2.114148	0.035954	0.364544
	-0.51039	-2.11558	0.03583	0.364342
	0.197716	2.111072	0.036222	0.365625
	0.156436	2.112376	0.036108	0.36524
SSBP3	0.280424	2.115338	0.035851	0.364389
	-0.19093	-2.11655	0.035747	0.364051
DYRK3;PFKFB2;CR1L;PIGR	-0.27288	-2.10727	0.036554	0.36686
	0.242827	2.114567	0.035918	0.364503
	-0.21119	-2.11414	0.035955	0.364544
	-0.30045	-2.11674	0.03573	0.363993
ZNF571-AS1	-0.20309	-2.11663	0.03574	0.364027
	0.14589	2.109493	0.03636	0.36614
	0.173213	2.112221	0.036122	0.365284
	0.253324	2.118065	0.035616	0.363727
	0.196535	2.118134	0.035611	0.363727
	0.302709	2.1148	0.035898	0.364479
VSIG2	0.147078	2.102286	0.036995	0.368349
	-0.20911	-2.11516	0.035867	0.364443
	0.146469	2.11091	0.036236	0.365717
GNA12;MAD1L1;TTYH3;IQCE;CARD11;SDK1	-0.20877	-2.10693	0.036584	0.366996
SERPINA6;PPP4R4;C14orf142;ASB2;PRIMA1	-0.34506	-2.10821	0.036472	0.366603
MFNG	-0.23056	-2.11428	0.035943	0.364503
	0.229758	2.115207	0.035863	0.364414
	0.184967	2.113783	0.035986	0.364624
	0.214132	2.10742	0.036541	0.366826
	-0.22778	-2.11369	0.035994	0.364652
ICAM1	-0.26824	-2.11029	0.03629	0.36595
	0.274327	2.111548	0.03618	0.365484
	0.199396	2.114783	0.035899	0.364479
C11orf49;HARBI1	-0.24125	-2.11108	0.036221	0.365625
	0.134614	2.116339	0.035765	0.364122
	0.267093	2.117128	0.035697	0.363906
	0.25636	2.111906	0.036149	0.365389
	-0.12805	-2.10813	0.036479	0.366603
	0.329245	2.116731	0.035731	0.363994
	0.271445	2.112279	0.036117	0.365278
	0.227326	2.114354	0.035937	0.364503
	0.256702	2.110177	0.0363	0.365957
	0.28459	2.115567	0.035832	0.364344
	0.244591	2.111241	0.036207	0.365551
	0.214189	2.117131	0.035697	0.363906
	-0.33587	-2.11875	0.035558	0.363582
	-0.1853	-2.11184	0.036154	0.365389
	-0.18451	-2.11456	0.035919	0.364503

GRK6	0.245439	2.116181	0.035779	0.364173
RRM2;LPIN1;CYS1	-0.35234	-2.11634	0.035765	0.364122
	-0.21439	-2.11429	0.035942	0.364503
	-0.15164	-2.11434	0.035937	0.364503
EGFL7;PTGDS;GPSM1;OLFM1;LCNL1;CAMSAP1	0.317459	2.116042	0.035791	0.364228
	-0.30084	-2.1164	0.03576	0.364122
	0.157411	2.11487	0.035892	0.364479
	-0.22628	-2.11592	0.035801	0.364261
PIK3CD	-0.25989	-2.10846	0.03645	0.366542
	0.202662	2.103617	0.036877	0.367918
	-0.14077	-2.11361	0.036001	0.364687
	0.2924	2.113061	0.036049	0.364949
	-0.18516	-2.11702	0.035706	0.363947
ENSG00000242104	-0.29729	-2.11221	0.036123	0.365284
	0.285709	2.109656	0.036345	0.366105
	0.234972	2.112514	0.036096	0.365179
	-0.39995	-2.11418	0.035951	0.364544
ZBTB9;HCG25;HSD17B8	-0.21851	-2.11804	0.035619	0.363727
	0.194235	2.116172	0.035779	0.364173
EFCAB11;TTC8;TDP1	-0.36494	-2.11469	0.035908	0.364503
	0.277978	2.112128	0.03613	0.365346
	-0.20064	-2.10735	0.036548	0.366838
	-0.21884	-2.11188	0.036151	0.365389
	0.304621	2.115334	0.035852	0.364389
	-0.28697	-2.11274	0.036077	0.365084
	-0.16386	-2.10971	0.036341	0.366105
	0.250799	2.114545	0.03592	0.364503
RHO;WNT9A;HIST3H2A	-0.17796	-2.11026	0.036293	0.365953
CCDC92	-0.30165	-2.10557	0.036704	0.367367
	-0.21934	-2.11572	0.035818	0.364334
	0.197631	2.11069	0.036255	0.365791
LINC00939	0.339721	2.117873	0.035633	0.363732
	0.348508	2.116375	0.035762	0.364122
MEGF6	0.362641	2.116563	0.035746	0.364051
ITGB7;ACVRL1;ACVR1B;GRASP;OR7E47P;KRT80;KRT18	0.285669	2.11275	0.036076	0.365084
RNF223;VWA1;MXRA8;LINC01128;SAMD11;ENSG0000027210				
6	-0.25056	-2.11403	0.035964	0.364544
	0.212228	2.11345	0.036015	0.364774
	-0.22284	-2.11689	0.035718	0.363963
	0.254659	2.115332	0.035852	0.364389
	0.335341	2.114824	0.035896	0.364479
DNAH10	0.14887	2.11189	0.03615	0.365389
	0.201965	2.114041	0.035964	0.364544
TRIM27;SCAND3;TRIM39	0.315459	2.112415	0.036105	0.365223
PARP15;WDR5B;HSPBAP1;PDIA5	-0.29073	-2.10947	0.036362	0.36614
	-0.33293	-2.11184	0.036155	0.365389
C1QTNF2;ATP10B	-0.24801	-2.11195	0.036145	0.365389

ARHGEF10	0.212681	2.115908	0.035802	0.364261
	0.155949	2.113868	0.035979	0.364612
	-0.19822	-2.11014	0.036303	0.365971
EXOSC10	-0.33291	-2.1177	0.035647	0.363761
	-0.16638	-2.10713	0.036566	0.366887
	0.223244	2.109341	0.036373	0.366169
	0.275052	2.11506	0.035875	0.364444
	-0.25578	-2.11103	0.036226	0.365649
	0.332993	2.112328	0.036112	0.365265
CLEC2D;ENSG00000257027;KLRG1;ENSG00000256594;ENSG0000256937;CLEC4A;KLRB1;SLC2A3	-0.36836	-2.11749	0.035666	0.363784
	0.132944	2.108132	0.036479	0.366603
	0.145602	2.109457	0.036363	0.36614
	-0.19691	-2.1157	0.03582	0.364334
	-0.16741	-2.11247	0.0361	0.365208
	0.158647	2.109945	0.03632	0.366023
	0.203136	2.112028	0.036138	0.365389
	0.295647	2.114166	0.035953	0.364544
	0.253617	2.108922	0.036409	0.366363
	0.251692	2.112084	0.036134	0.365367
	0.187105	2.112682	0.036082	0.365084
	-0.31212	-2.11024	0.036294	0.365953
	-0.17665	-2.11169	0.036168	0.365418
	0.300663	2.110794	0.036246	0.365742
	0.158162	2.115061	0.035875	0.364444
ENSG00000261175;FOXL1;FENDRR;C16orf74 CD7;WDR45B	0.216673	2.116693	0.035734	0.364014
	-0.28205	-2.10897	0.036405	0.366363
	-0.26556	-2.1109	0.036237	0.365717
	-0.16192	-2.11474	0.035903	0.36448
	-0.29364	-2.1123	0.036114	0.365269
	0.235985	2.108129	0.036479	0.366603
	0.169474	2.113201	0.036036	0.364906
	-0.20105	-2.11318	0.036038	0.364906
	-0.28517	-2.11125	0.036206	0.365551
	0.269356	2.113789	0.035985	0.364624
	-0.29091	-2.1072	0.03656	0.366871
	0.19728	2.110893	0.036237	0.365717
	0.173364	2.110287	0.03629	0.36595
	0.295047	2.114135	0.035956	0.364544
TMPRSS3;C21orf128;RSPH1;SLC37A1;ENSG00000225431;TFF3; ZNF295- AS1;ABCG1;FAM3B;UMODL1;PDE9A;LINC00479;ENSG00000235772;UBASH3A;LINC00111;WDR4	-0.26972	-2.11176	0.036162	0.365403
	-0.34426	-2.11809	0.035614	0.363727
	0.289858	2.114106	0.035958	0.364544
UNC13B	0.200017	2.115014	0.035879	0.364458
	0.295291	2.114421	0.035931	0.364503

	-0.20023	-2.10958	0.036352	0.36614
	0.420304	2.113186	0.036038	0.364906
IMPG2	-0.17556	-2.11354	0.036007	0.364707
TMEM255B;GAS6;PROZ;F10;TMCO3	0.293836	2.111381	0.036195	0.365551
USP46	-0.30894	-2.11083	0.036243	0.365732
PTPRS;TRIP10;NDUFA11	0.192828	2.108302	0.036464	0.366596
MIR3916	-0.24651	-2.11294	0.036059	0.365008
SNHG3;RCC1;SNORA73B	-0.24871	-2.11614	0.035783	0.364196
	-0.17869	-2.1067	0.036605	0.36705
	0.33512	2.113104	0.036045	0.364937
RMI1	-0.32539	-2.11476	0.035901	0.364479
	0.121316	2.108696	0.036429	0.366425
ANAPC16;CDH23;PSAP;SGPL1;PRF1;PPA1;PALD1	-0.23741	-2.11287	0.036065	0.365038
PIGR;PLXNA2;CR1L;CR1;CD46;CD34;DYRK3;C1orf116;FAIM3	-0.38463	-2.11009	0.036308	0.365974
	0.325835	2.11309	0.036046	0.364941
MAP3K3;DDX42;CD79B;LIMD2;ACE	0.151297	2.107831	0.036505	0.366661
	-0.20492	-2.11221	0.036122	0.365284
FXVD5;FXVD3;CD22;DMKN	-0.39265	-2.11197	0.036143	0.365389
	-0.21746	-2.11467	0.035909	0.364503
C4orf22;ENSG00000232327;PRKG2;LINC01088	-0.3383	-2.11388	0.035977	0.364606
	-0.14767	-2.1113	0.036202	0.365551
	-0.29906	-2.11585	0.035807	0.364276
	-0.17895	-2.1062	0.036648	0.367137
	-0.26344	-2.1103	0.036289	0.36595
	0.228983	2.11654	0.035748	0.364051
	0.532956	2.10852	0.036445	0.366519
	0.211048	2.111701	0.036167	0.365418
PLCG2;ENSG00000260682;GAN	-0.30234	-2.11178	0.03616	0.365403
	-0.41924	-2.11048	0.036273	0.365876
	0.252816	2.110202	0.036298	0.365953
	-0.22642	-2.11408	0.035961	0.364544
	-0.19676	-2.10865	0.036433	0.366437
MEG3;ENSG00000225746;HSP90AA1;MOK;MEG8	0.397576	2.116677	0.035736	0.364014
	-0.15014	-2.10792	0.036497	0.366638
	0.274997	2.110825	0.036243	0.365732
BCAT1	-0.35166	-2.10465	0.036785	0.367639
	-0.14784	-2.10542	0.036717	0.367452
ITK	-0.23491	-2.10579	0.036685	0.367269
	0.262582	2.104282	0.036818	0.367727
MRPL23;TSPAN4	-0.23422	-2.11446	0.035927	0.364503
	0.182203	2.106174	0.036651	0.367137
	0.134621	2.111399	0.036193	0.365551
SND1	-0.17025	-2.11231	0.036114	0.365269
ACACB;FICD;WSCD2;MYO1H	0.189862	2.11035	0.036285	0.36595
	-0.4225	-2.1143	0.035941	0.364503
PXDN	0.178765	2.107268	0.036555	0.36686

HLX	0.173805	2.106235	0.036645	0.367137
	0.275299	2.107113	0.036568	0.366887
	0.232593	2.108879	0.036413	0.366375
	0.22329	2.115916	0.035802	0.364261
	-0.23384	-2.11173	0.036164	0.365409
ALDH1A3	0.212935	2.113942	0.035972	0.36459
	0.138498	2.114384	0.035934	0.364503
	-0.24865	-2.11537	0.035849	0.364389
DEPDC1	0.217014	2.114657	0.03591	0.364503
	0.245876	2.114864	0.035892	0.364479
	0.216012	2.109923	0.036322	0.366023
	-0.2272	-2.11189	0.036151	0.365389
TTC40	0.13094	2.109353	0.036372	0.366169
	0.289567	2.114046	0.035963	0.364544
	0.15087	2.110814	0.036244	0.365734
	0.24494	2.102948	0.036936	0.368171
	0.2434	2.11488	0.035891	0.364479
	0.214348	2.111923	0.036147	0.365389
PRADC1;ACTG2;BOLA3;HK2;M1AP;LOXL3;MOGS;DQX1;RAB11F IP5;WDR54;TET3;CCT7;SEMA4F	0.152547	2.111372	0.036195	0.365551
	-0.22241	-2.11064	0.036259	0.36581
	0.210954	2.106648	0.036609	0.36705
	0.288413	2.113669	0.035996	0.364666
	0.109822	2.111867	0.036152	0.365389
	-0.17732	-2.11408	0.035961	0.364544
	-0.23326	-2.11307	0.036048	0.364949
TBCD;WDR45B NUP210;C3orf83	0.284271	2.110028	0.036313	0.365985
	-0.1837	-2.11179	0.036159	0.365403
	-0.44906	-2.1085	0.036447	0.366522
	0.193057	2.110528	0.036269	0.365865
PADI1	-0.18911	-2.10973	0.036339	0.366101
	-0.15448	-2.10711	0.036569	0.366887
	-0.30478	-2.10829	0.036465	0.366596
	0.246511	2.1127	0.03608	0.365084
	-0.17323	-2.10501	0.036754	0.367535
	0.24388	2.108779	0.036422	0.366377
	0.144075	2.112721	0.036078	0.365084
	0.14351	2.11112	0.036217	0.36561
	-0.20532	-2.11359	0.036003	0.364687
DENND3 PPP1R14A;SPINT2;FBXO17;ZNF540;HKR1;PAK4;MAP4K1;ENSGO 0000183760;RYR1;ZNF607 RHD;ENSG00000261349	-0.32646	-2.10366	0.036873	0.367918
	0.183978	2.109015	0.036401	0.366351
	0.099088	2.106125	0.036655	0.367137
	0.253081	2.113447	0.036015	0.364774
	0.131384	2.106413	0.03663	0.367085
	0.342356	2.111106	0.036219	0.365614
	0.210614	2.106651	0.036609	0.36705
DNASE1L3				



NPNT	0.176248	2.11318	0.036038	0.364906
	-0.30878	-2.10414	0.03683	0.367766
	0.122633	2.115249	0.035859	0.364393
CLIP3;FXVD3;DMKN	0.159347	2.115038	0.035877	0.364449
	0.245732	2.113596	0.036002	0.364687
	0.180373	2.11271	0.036079	0.365084
AIF1L	-0.1904	-2.10813	0.036478	0.366603
	0.270517	2.109257	0.03638	0.366206
	0.282009	2.111933	0.036147	0.365389
	-0.26417	-2.10736	0.036546	0.366838
	0.25453	2.111628	0.036173	0.365432
ZCCHC7				
SAMD11;ANKRD65;MXRA8;SSU72;RNF223;VWA1;ENSG0000023764;ATAD3A	-0.39231	-2.10362	0.036876	0.367918
ANKRD65;ENSG00000272106;SSU72	0.214978	2.109685	0.036343	0.366105
CSGALNACT1;PSD3;SH2D4A;INTS10;NAT1	-0.40745	-2.1095	0.036359	0.36614
CLMP;ENSG00000255248;HSPA8	0.170539	2.115474	0.03584	0.364363
	-0.4463	-2.11003	0.036312	0.365985
	0.219233	2.111316	0.0362	0.365551
C14orf2;KIF26A;INF2;EIF5;BAG5	-0.40263	-2.11317	0.036039	0.364907
	-0.22055	-2.1101	0.036306	0.365972
	0.228611	2.096049	0.037552	0.370393
PDCD1	0.21349	2.111335	0.036199	0.365551
MAML2	-0.26648	-2.1053	0.036728	0.367512
ITGA8;FAM107B;FRMD4A	0.234791	2.114475	0.035926	0.364503
	0.203664	2.10885	0.036416	0.366375
KIF6	0.284062	2.107453	0.036538	0.366816
	0.268139	2.113184	0.036038	0.364906
NRROS;TNK2;MUC20;SLC51A;PIGX	0.303596	2.114267	0.035944	0.364503
	-0.16217	-2.11047	0.036274	0.365876
	0.197688	2.112552	0.036093	0.365154
	-0.88089	-2.11332	0.036027	0.364838
	0.12837	2.108784	0.036422	0.366377
	0.242665	2.11207	0.036135	0.365371
	-0.34403	-2.11026	0.036292	0.365953
	-0.15733	-2.11281	0.03607	0.365066
	-0.25815	-2.10464	0.036786	0.367639
	-0.13795	-2.10868	0.036431	0.366429
	-0.16386	-2.1101	0.036306	0.365972
	-0.17413	-2.11137	0.036196	0.365551
	0.181457	2.107161	0.036564	0.366882
	0.239493	2.113378	0.036021	0.364826
	0.186304	2.111981	0.036142	0.365389
	0.245803	2.111995	0.036141	0.365389
	-0.20526	-2.10014	0.037186	0.368975
	0.098085	2.106308	0.036639	0.367137
KIF18B	-0.1898	-2.10866	0.036433	0.366437
	0.251518	2.110129	0.036304	0.365972

PARP15;CD86	0.245652	2.113822	0.035983	0.364624
	-0.33327	-2.10702	0.036576	0.366946
	-0.15636	-2.10805	0.036486	0.366603
	0.186035	2.116649	0.035738	0.364014
	0.220771	2.112961	0.036057	0.365002
	-0.19026	-2.10892	0.036409	0.366363
PURG;TUBBP1;RBPMS;GTF2E2	0.233551	2.111424	0.036191	0.365551
	-0.29629	-2.10787	0.036502	0.366648
IL18R1;RFX8	0.688242	2.110977	0.03623	0.365684
	0.369232	2.111758	0.036162	0.365403
	0.263859	2.111874	0.036152	0.365389
	-0.16723	-2.11011	0.036305	0.365972
	0.22616	2.104952	0.036759	0.36754
	0.183976	2.109614	0.036349	0.366127
MDGA1	0.332803	2.112975	0.036056	0.365002
GNA12;PSMG3	-0.22153	-2.10937	0.03637	0.366169
	0.101245	2.104181	0.036827	0.367756
CLDN7;MPDU1;TRAPPC1;ATP1B2	-0.26697	-2.10936	0.036371	0.366169
	0.311122	2.111647	0.036172	0.365432
	-0.31429	-2.10789	0.0365	0.366648
	0.179127	2.10014	0.037185	0.368975
CRTC3;FES;CIB1;UNC45A;FURIN;MAN2A2;ENSG00000258551	-0.23989	-2.1109	0.036237	0.365717
	0.138796	2.105711	0.036692	0.367313
	0.160245	2.114488	0.035925	0.364503
	0.191961	2.100221	0.037178	0.368974
	-0.13897	-2.10976	0.036337	0.366095
	0.257814	2.109815	0.036331	0.366078
PCDHB16	0.224504	2.109137	0.036391	0.366286
CKAP4	0.207591	2.113156	0.03604	0.364909
	0.170403	2.096016	0.037555	0.370404
	-0.14848	-2.10686	0.03659	0.367016
	0.189773	2.104293	0.036817	0.367726
ENSG00000253773;ENSG00000253872;CPQ	-0.26105	-2.1058	0.036684	0.367264
	-0.22492	-2.11003	0.036312	0.365985
	0.294461	2.110316	0.036288	0.36595
	-0.16159	-2.10615	0.036653	0.367137
	0.170897	2.106159	0.036652	0.367137
MSLN;TMEM204;HN1L;MSLNL;TPSD1	-0.28312	-2.1119	0.036149	0.365389
BECN1;CNTNAP1;TUBG2;NT5C3B;DHX58;PTRF;ACLY;RAMP2;FKBP10;PLEKHH3;STAT3;RAMP2-AS1;TTC25;KRT23;ATP6V0A1;AOC3	-0.32051	-2.11138	0.036195	0.365551
CAPN2	0.189041	2.109663	0.036345	0.366105
ZMYND10;SEMA3B	-0.13261	-2.10543	0.036716	0.36745
	0.183887	2.10487	0.036766	0.367595
KIF1B;PGD;RBP7	0.216668	2.111133	0.036216	0.36561
ZNF135	-0.26623	-2.10495	0.036758	0.36754

HERC1	0.326145	2.106084	0.036659	0.367137
	-0.1942	-2.10646	0.036625	0.367068
	-0.34818	-2.11272	0.036079	0.365084
	0.195548	2.109875	0.036326	0.366042
	-0.15371	-2.10836	0.036459	0.366565
	-0.22407	-2.10804	0.036487	0.366603
	0.135082	2.108991	0.036403	0.366355
ARHGEF15;TNFSF12;MPDU1;NLGN2;MYH10;ATP1B2;CTC1;VA MP2;WRAP53;CYB5D1 ZNF221	0.132296	2.109916	0.036323	0.366023
	-0.2788	-2.10976	0.036336	0.366095
	0.360018	2.108811	0.036419	0.366376
	0.155284	2.110635	0.03626	0.36581
	0.184769	2.112886	0.036064	0.365034
	0.207903	2.110202	0.036298	0.365953
	0.150089	2.110892	0.036237	0.365717
PRR15L  HLA-DOB	-0.1878	-2.10904	0.036399	0.366347
	-0.21145	-2.11376	0.035988	0.364624
	0.167852	2.105076	0.036748	0.367527
	0.230424	2.108287	0.036465	0.366596
	0.222952	2.097488	0.037423	0.369896
	-0.23254	-2.10947	0.036362	0.36614
	-0.18561	-2.10289	0.036941	0.368171
ATXN2;ADAM1B HMGN2	-0.14593	-2.10271	0.036957	0.368205
	-0.22948	-2.11358	0.036004	0.364687
	0.310087	2.099984	0.037199	0.368999
	-0.16928	-2.11032	0.036287	0.36595
	0.193164	2.106501	0.036622	0.367064
	0.231094	2.111677	0.036169	0.365423
	-0.17287	-2.11127	0.036204	0.365551
ESRP2;RLTPR	-0.23151	-2.11065	0.036259	0.36581
	0.191276	2.11019	0.036299	0.365954
	0.191871	2.107965	0.036493	0.366628
	-0.24988	-2.10992	0.036322	0.366023
	0.2872	2.109548	0.036355	0.36614
	-0.33319	-2.11124	0.036207	0.365551
	0.159802	2.112224	0.036121	0.365284
TMEM59;TTC22 TMEM80	-0.20334	-2.10884	0.036416	0.366375
	-0.15709	-2.10649	0.036623	0.367064
	0.211603	2.109756	0.036337	0.366095
	0.124495	2.108426	0.036453	0.366543
	0.476184	2.112109	0.036131	0.365354
	0.301482	2.111768	0.036161	0.365403
	0.239026	2.109508	0.036358	0.36614
ANKRD35;PIAS3	0.220226	2.104044	0.036839	0.367807
	0.176492	2.107256	0.036556	0.36686
	0.21558	2.109347	0.036372	0.366169
	0.219485	2.107611	0.036524	0.366734

	0.254374	2.106674	0.036607	0.36705
TRIM27;TRIM39;SCAND3	0.220417	2.108198	0.036473	0.366603
SLC13A2;NOS2	-0.28889	-2.10851	0.036446	0.366519
TACC3;ZNF141;HAUS3	-0.27964	-2.10636	0.036634	0.367109
	0.178252	2.10817	0.036475	0.366603
PEAR1;MEF2D;SYT11;NES;ARHGEF2;SH2D2A;HDGF;ASH1L;RAB25;LRRC71;MTX1;ENSG00000223503;CCT3	-0.2764	-2.11053	0.036269	0.365865
ENSG00000267121;FMNL1	0.379902	2.112229	0.036121	0.365284
	0.218564	2.111126	0.036217	0.36561
	-0.28914	-2.10445	0.036803	0.367685
STXBP1;LCN2	-0.31118	-2.11126	0.036205	0.365551
C14orf2;HSP90AA1;EIF5;ENSG00000259508;EXOC3L4	-0.23714	-2.10781	0.036507	0.366673
	0.111184	2.102739	0.036954	0.368205
	-0.17061	-2.1082	0.036472	0.366603
	-0.18618	-2.11164	0.036172	0.365432
SPIRE2;CBFA2T3	0.313991	2.105035	0.036751	0.367527
	0.170737	2.10955	0.036355	0.36614
	-0.22643	-2.11135	0.036198	0.365551
NUTM2A-AS1	0.09928	2.103708	0.036868	0.367918
MEFV;MMP25;SLX4	-0.25124	-2.10508	0.036747	0.367527
	0.26929	2.104302	0.036816	0.367726
	0.202554	2.10969	0.036342	0.366105
	-0.27693	-2.1084	0.036455	0.366549
	-0.17984	-2.10519	0.036738	0.367527
	0.185636	2.102544	0.036972	0.368301
	0.182244	2.106728	0.036602	0.36705
	-0.28065	-2.11396	0.035971	0.364587
GRK5;GRK5-IT1	-0.35607	-2.10786	0.036503	0.366648
BAIAP3;IFT140;HN1L;HAGH;HS3ST6;ENSG00000263011;UBE2I;ENSG00000262370;PDPK1	-0.28539	-2.10719	0.036561	0.366873
	0.175771	2.11281	0.03607	0.365066
PTGDS;LCNL1;UAP1L1;GRIN1	0.360833	2.099762	0.037219	0.369106
	0.247268	2.108252	0.036468	0.366603
PDZD8	-0.30231	-2.10674	0.036601	0.36705
ENSG00000272462;CMAHP	0.287338	2.103304	0.036904	0.368067
	0.118982	2.10672	0.036603	0.36705
MYEOV2;PPP1R7;HDLBP	-0.23419	-2.11071	0.036253	0.365778
SOGA1	0.161905	2.104794	0.036773	0.367607
TUBG2	0.190534	2.107975	0.036492	0.366628
	0.174694	2.106086	0.036659	0.367137
	-0.32982	-2.11171	0.036166	0.365418
	0.266746	2.111131	0.036216	0.36561
	0.185999	2.110743	0.03625	0.365761
RPTOR;SECTM1;FSCN2;HEXDC;ENSG00000262877;ALYREF;ENSG00000268852;STRA13;ACTG1	0.157642	2.106769	0.036598	0.36705
ICOSLG	-0.15587	-2.09922	0.037268	0.369215
	0.17537	2.111341	0.036198	0.365551

	-0.16712	-2.10657	0.036616	0.367064
ANKH;TRIO	0.235563	2.109962	0.036319	0.366023
ELFN2;MFNG	-0.12537	-2.1068	0.036595	0.367036
	0.260706	2.1089	0.036411	0.366366
	0.233527	2.103751	0.036865	0.367918
	-0.21197	-2.10515	0.036741	0.367527
	0.137295	2.103805	0.03686	0.367918
	0.198869	2.110214	0.036297	0.365953
	-0.18704	-2.10796	0.036494	0.366628
	0.158389	2.10944	0.036364	0.36614
	0.167024	2.103737	0.036866	0.367918
	-0.38594	-2.1087	0.036429	0.366425
TBC1D10C;ADRBK1;PTPRCAP	0.236796	2.108994	0.036403	0.366355
	-0.20526	-2.10736	0.036547	0.366838
PTP4A3;ENSG00000271959	-0.34699	-2.10438	0.036809	0.367698
	0.138561	2.109029	0.0364	0.366347
	-0.23804	-2.11086	0.03624	0.365724
ENSG00000262979	-0.214	-2.11183	0.036155	0.365389
	0.198843	2.11051	0.036271	0.365871
	0.300881	2.099071	0.037281	0.369255
ZNF415	-0.24223	-2.10809	0.036483	0.366603
ICA1L	-0.28717	-2.10286	0.036944	0.368184
	-0.20678	-2.10736	0.036546	0.366838
	-0.28546	-2.10643	0.036628	0.367078
	0.270584	2.108531	0.036444	0.366519
	0.123755	2.109221	0.036383	0.366221
	0.249065	2.109939	0.036321	0.366023
ENSG00000260807;HN1L	-0.23017	-2.10722	0.036559	0.366871
	0.255971	2.106876	0.036589	0.367016
	0.207312	2.101394	0.037074	0.368606
	0.243558	2.106965	0.036581	0.366977
	0.251218	2.108922	0.036409	0.366363
SCARF1;TSR1	0.205991	2.107635	0.036522	0.366729
KIAA0232	0.191248	2.110491	0.036272	0.365876
	0.188124	2.108084	0.036483	0.366603
	0.280942	2.11029	0.03629	0.36595
FAM65A;RLTPR;ESRP2;CDH1;SNTB2;SLC12A4;ZDHHC1;DPEP2;G				
FOD2;ATP6V0D1;TPPP3	-0.34923	-2.10499	0.036755	0.367536
	0.223189	2.11125	0.036206	0.365551
CAMK2N1;PLA2G5;NBL1;MINOS1	0.268713	2.106136	0.036654	0.367137
	-0.16809	-2.1089	0.036411	0.366366
	0.211658	2.111249	0.036206	0.365551
	0.201175	2.109281	0.036378	0.3662
	0.222003	2.110854	0.036241	0.365724
ENSG00000205301	-0.34047	-2.10607	0.03666	0.367137
PWWP2B	-0.35058	-2.10804	0.036487	0.366603
CHSY1;CERS3	-0.26143	-2.11008	0.036308	0.365974

WDR61;PSMA4;DNAJA4;IDH3A	-0.32379	-2.10435	0.036812	0.367712
STEAP3;STEAP3-AS1;TMEM37	-0.30867	-2.11178	0.03616	0.365403
	0.313321	2.10978	0.036334	0.366095
	0.259934	2.106501	0.036622	0.367064
	-0.17274	-2.10811	0.03648	0.366603
RAB11FIP5;EXOC6B	0.217518	2.106175	0.036651	0.367137
ADAMTSL5	-0.26152	-2.1025	0.036976	0.368322
KIFC3	-0.1978	-2.10235	0.036989	0.368349
	-0.22505	-2.11005	0.03631	0.365985
HECTD1	-0.37771	-2.11028	0.03629	0.36595
ATXN3;TC2N;NDUFB1;GOLGA5;C14orf142	0.19159	2.107554	0.036529	0.366762
RHPN1-AS1;FAM83H-				
AS1;MAPK15;RHPN1;BAI1;ZNF623;TOP1MT;PYCRL;LY6H	-0.2754	-2.10774	0.036513	0.36669
	0.240408	2.110872	0.036239	0.365724
	0.274953	2.103112	0.036921	0.36814
	-0.16485	-2.10652	0.03662	0.367064
EDEM1	-0.28856	-2.10079	0.037128	0.368778
	-0.28129	-2.10445	0.036803	0.367685
	0.290099	2.102392	0.036985	0.36834
	-0.29777	-2.10825	0.036469	0.366603
DLL4;SPINT1;GPR176;C15orf52;RMDN3;ENSG00000261183;RH				
OV	-0.37003	-2.10802	0.036489	0.366603
	0.228227	2.103226	0.036911	0.368089
	-0.26863	-2.10255	0.036971	0.368301
COTL1;ENSG00000261471	0.309993	2.110613	0.036262	0.365815
	0.353155	2.080899	0.038935	0.375307
	-0.28044	-2.10504	0.036751	0.367527
	0.16821	2.104739	0.036777	0.367616
PDK1;ENSG00000225205	0.336865	2.110628	0.03626	0.36581
	0.078976	2.106488	0.036623	0.367064
	0.152551	2.109504	0.036359	0.36614
	0.274552	2.104788	0.036773	0.367607
	0.208962	2.112209	0.036123	0.365284
	0.18881	2.106066	0.03666	0.367137
	0.141358	2.10881	0.036419	0.366376
	0.142709	2.106229	0.036646	0.367137
	0.096091	2.100384	0.037164	0.3689
GSTP1;PELI3;CARNS1	0.209517	2.107461	0.036538	0.366816
	-0.41001	-2.11239	0.036107	0.365234
	-0.20922	-2.10961	0.036349	0.366127
APOL3;IL2RB;APOL2;CSF2RB;APOL6;APOL1	0.361619	2.11054	0.036268	0.365865
	0.254597	2.107043	0.036574	0.366934
	-0.22611	-2.10948	0.036361	0.36614
WDR45B;BAIAP2;PCYT2;NOTUM;SLC25A10	-0.30088	-2.10395	0.036847	0.367845
TSPAN4	-0.31869	-2.10368	0.036871	0.367918
ENSG00000269887	0.256307	2.103794	0.036861	0.367918
	-0.20517	-2.10685	0.036591	0.367016

GNG7;ZNF57;MOB3A;HMHA1	-0.23332	-2.10879	0.036421	0.366377
	0.26042	2.101787	0.037039	0.368515
	-0.36084	-2.10883	0.036417	0.366375
	0.231675	2.101321	0.03708	0.368606
GPR114;HERPUD1;POLR2C;CX3CL1	0.276912	2.101018	0.037107	0.368723
	0.233407	2.109904	0.036324	0.366025
	0.224931	2.106171	0.036651	0.367137
	0.113588	2.106995	0.036579	0.366959
UACA CD6;MS4A1	-0.17991	-2.10307	0.036925	0.36814
	-0.13677	-2.10194	0.037026	0.368478
	0.109943	2.105948	0.036671	0.367177
	-0.27135	-2.10668	0.036606	0.36705
	0.156372	2.108425	0.036453	0.366543
	0.164612	2.105955	0.03667	0.367177
	-0.31126	-2.10922	0.036383	0.366221
	-0.18688	-2.10513	0.036743	0.367527
	-0.18543	-2.10165	0.037051	0.368577
	0.217735	2.105578	0.036703	0.367366
	-0.29271	-2.10281	0.036948	0.368185
	0.277786	2.109703	0.036341	0.366105
	-0.28607	-2.10725	0.036556	0.36686
	-0.22907	-2.10409	0.036835	0.367791
	0.212435	2.111226	0.036208	0.365552
	0.172182	2.106271	0.036642	0.367137
C6orf52;SYCP2L;TMEM14B;NEDD9;MAK	0.366083	2.104485	0.0368	0.367685
	0.131592	2.100841	0.037123	0.368775
	-0.1605	-2.10738	0.036545	0.366838
	0.16883	2.100814	0.037125	0.368778
CREBBP;MGRN1 FAM216B	-0.28992	-2.10729	0.036553	0.36686
	-0.28048	-2.09959	0.037234	0.369111
	-0.11828	-2.10728	0.036553	0.36686
	-0.2314	-2.10241	0.036983	0.36834
SFMBT2;ITIH5				
TTC21B-AS1;TTC21B;ENSG00000235192;ENSG00000229195	0.098434	2.094177	0.03772	0.37104
	-0.15635	-2.10226	0.036997	0.368361
	0.239195	2.108027	0.036488	0.366603
	-0.19889	-2.10205	0.037016	0.368434
	0.202493	2.109523	0.036357	0.36614
	0.230793	2.101377	0.037075	0.368606
	0.145551	2.108584	0.036439	0.366481
STK33;C11orf16;TUB;AKIP1;ENSG00000252778;WEE1;DENND5 A;ENSG00000248332;SBF2 GGT5;SUSD2	-0.30417	-2.09923	0.037266	0.369214
	-0.49646	-2.10666	0.036608	0.36705
	0.203696	2.103393	0.036896	0.368014
	0.294331	2.109483	0.03636	0.36614
	0.17003	2.101775	0.03704	0.368517
	0.303797	2.106711	0.036603	0.36705

CRY2	-0.29244	-2.10805	0.036486	0.366603
	0.186058	2.10718	0.036562	0.366873
	0.177916	2.104227	0.036823	0.36775
	-0.26749	-2.10587	0.036678	0.367221
	0.159719	2.107856	0.036503	0.366648
PIGR;RASSF5;FAIM3	-0.32802	-2.10503	0.036752	0.367527
	-0.18929	-2.10444	0.036803	0.367685
RASL12;SNX1;RBPMS2;IGDCC4	-0.24137	-2.10483	0.03677	0.367607
	0.130845	2.105056	0.036749	0.367527
ENSG00000205890;CREBBP;CLUAP1;HCFC1R1;ENSG00000262370;CCDC64B;PAQR4;PDPK1	-0.19384	-2.10927	0.036379	0.3662
	-0.18202	-2.10554	0.036706	0.367379
	0.222232	2.107722	0.036515	0.366697
	0.123619	2.101047	0.037105	0.368711
	0.202822	2.101214	0.03709	0.368645
ENSG00000227775;ENSG00000268575	-0.21512	-2.09942	0.03725	0.369145
	0.244234	2.106017	0.036665	0.367137
	-0.26087	-2.10649	0.036623	0.367064
	-0.34193	-2.10763	0.036523	0.366729
	0.263299	2.106093	0.036658	0.367137
WISP1;NDRG1 FRMD4A;ITGA8;FAM107B;DCLRE1C;ACBD7 MOCOS	-0.22829	-2.09798	0.037378	0.369698
	-0.30744	-2.10604	0.036663	0.367137
	-0.34107	-2.10452	0.036797	0.367685
	0.264683	2.108628	0.036435	0.36645
	-0.23375	-2.10691	0.036586	0.367005
FLI1;ARHGAP32;TMEM45B;SENCR;ETS1;TP53AIP1	-0.27129	-2.10474	0.036777	0.367616
	-0.16755	-2.10489	0.036764	0.367586
CLPTM1L;SDHA;SDHAP3	0.156052	2.107754	0.036512	0.366686
	0.177103	2.10908	0.036396	0.366319
	-0.17078	-2.10525	0.036733	0.367527
FCHSD2;RELT	-0.30839	-2.10148	0.037066	0.368606
	0.186741	2.105504	0.03671	0.367405
PPIE	-0.22407	-2.09639	0.037521	0.370289
	0.194321	2.108304	0.036464	0.366596
ENSG00000272323	-0.39377	-2.10568	0.036695	0.367325
	0.146501	2.097696	0.037404	0.369873
RPRD2;HIST2H4B	-0.21397	-2.10508	0.036747	0.367527
	0.163151	2.098878	0.037298	0.369255
	0.330793	2.107211	0.03656	0.366871
MEGF6;TP73-AS1;PRDM16	0.212688	2.10937	0.03637	0.366169
	-0.20611	-2.10437	0.03681	0.367705
EBF3	0.268171	2.105737	0.036689	0.367303
	0.242268	2.105295	0.036728	0.367512
	-0.3709	-2.10537	0.036721	0.367468
	0.216848	2.101961	0.037023	0.368464
AHCYL2;COPG2	0.25017	2.104642	0.036786	0.367639
	-0.27682	-2.10562	0.0367	0.367345



	-0.24147	-2.10793	0.036496	0.366638
	0.238476	2.102179	0.037004	0.368408
	0.236825	2.10016	0.037184	0.368975
	0.199161	2.108133	0.036479	0.366603
	0.154594	2.103028	0.036929	0.368147
AIF1L;FAM78A	-0.22223	-2.10601	0.036665	0.367137
	0.243177	2.109093	0.036395	0.366317
	0.336452	2.104479	0.0368	0.367685
	0.185684	2.10561	0.0367	0.367346
ZNF280B	0.17726	2.108084	0.036483	0.366603
	0.214653	2.107676	0.036519	0.366712
	-0.29673	-2.10181	0.037037	0.368507
CD93	-0.24936	-2.10133	0.037079	0.368606
	0.280202	2.10354	0.036883	0.367918
RARRES3;POLR2G	-0.2585	-2.10648	0.036624	0.367064
CD34;PFKFB2	-0.25333	-2.10225	0.036998	0.368365
	-0.23724	-2.09783	0.037392	0.369788
	-0.22437	-2.10509	0.036747	0.367527
	-0.26572	-2.10776	0.036511	0.366686
EFEMP2	-0.25144	-2.10306	0.036926	0.36814
	0.14603	2.107916	0.036498	0.366638
	0.230069	2.107687	0.036518	0.36671
	0.164312	2.100866	0.037121	0.368772
	-0.3152	-2.1064	0.036631	0.367087
PVRL4;F11R;MPZ;SDHC;TSTD1;ADAMTS4;UFC1;ENSG00000213080;ATP1A2;KLHDC9;C1orf192;NIT1	-0.25599	-2.10293	0.036938	0.368171
	0.14101	2.093859	0.037749	0.371162
	0.196272	2.104294	0.036817	0.367726
	-0.24906	-2.10755	0.03653	0.366762
	-0.27038	-2.10496	0.036758	0.36754
PGD	-0.28884	-2.09764	0.037409	0.369873
DERL2	0.310822	2.106265	0.036643	0.367137
	0.157701	2.100278	0.037173	0.368949
	0.213149	2.103717	0.036868	0.367918
	0.236025	2.106357	0.036635	0.367109
	0.147001	2.1068	0.036596	0.367036
	-0.25397	-2.10777	0.036511	0.366686
	-0.18889	-2.10464	0.036787	0.367639
ENSG00000243004	0.260229	2.106483	0.036624	0.367064
IGKV4-1	-0.17437	-2.10547	0.036713	0.367427
SDK2;SSTR2	-0.23634	-2.10373	0.036867	0.367918
SLC15A3	-0.1887	-2.10371	0.036869	0.367918
	-0.17462	-2.10838	0.036457	0.366561
C12orf54	-0.16835	-2.10094	0.037114	0.368756
	-0.1971	-2.10818	0.036475	0.366603
	-0.14749	-2.10684	0.036592	0.367019
ENSG00000262601;FAM92B;FENDRR	-0.2558	-2.10738	0.036545	0.366838

SAMD15;NOXRED1;CIPC;POMT2;AHSA1;SPTLC2;TMED8;ENSGO0000258819	-0.30145	-2.10593	0.036673	0.367182
	-0.13755	-2.10843	0.036453	0.366543
PM20D1;RAB7L1	-1.1372	-2.10181	0.037037	0.368507
	-0.11813	-2.09997	0.037201	0.368999
	0.207669	2.105129	0.036743	0.367527
LYST;ACTN2;RYS2;NID1	-0.29668	-2.10571	0.036692	0.367313
	-0.21977	-2.10255	0.036971	0.368301
	0.171708	2.107867	0.036502	0.366648
RTN4IP1;ATG5;C6orf203	-0.26676	-2.10271	0.036957	0.368205
	-0.22091	-2.10419	0.036826	0.367756
PRKAR1B;GPR146;FAM20C;ENSG00000242474;ENSG00000240859;GPER1;ENSG00000249852	-0.20536	-2.10074	0.037132	0.368778
CYP4Z2P	-0.17793	-2.10818	0.036475	0.366603
	-0.21177	-2.10523	0.036734	0.367527
	0.231322	2.09174	0.037941	0.371827
	-0.2394	-2.10047	0.037156	0.368873
	-0.22171	-2.10273	0.036956	0.368205
TACC3	0.19155	2.104203	0.036825	0.367756
	0.179925	2.106012	0.036665	0.367137
	0.227003	2.108014	0.036489	0.366603
LINC00342;ANKRD36C;FAHD2A	-0.11475	-2.10505	0.03675	0.367527
	-0.30713	-2.10504	0.036751	0.367527
	0.265772	2.102909	0.036939	0.368171
	0.176435	2.100833	0.037124	0.368775
ENSG00000247311;ENSG00000250803	0.213307	2.103857	0.036855	0.367918
	-0.26969	-2.10105	0.037105	0.368711
	0.215037	2.105148	0.036741	0.367527
	0.273264	2.107588	0.036526	0.366747
	-0.17413	-2.10408	0.036836	0.367791
	0.240169	2.10688	0.036589	0.367016
	0.242204	2.108399	0.036455	0.366549
	0.279879	2.105802	0.036684	0.367264
	0.123988	2.099944	0.037203	0.369013
AKR7A2;KLHDC7A;IFFO2	-0.40509	-2.10485	0.036767	0.3676
GALNS	-0.15249	-2.10087	0.037121	0.368772
	-0.23302	-2.10619	0.036649	0.367137
	0.106278	2.101405	0.037073	0.368606
	-0.20356	-2.10846	0.03645	0.366542
	-0.19837	-2.1047	0.036781	0.367627
	0.294511	2.104142	0.03683	0.367766
	0.149011	2.104235	0.036822	0.36775
	-0.1606	-2.10363	0.036876	0.367918
	0.221739	2.105025	0.036752	0.367527
	-0.23714	-2.10649	0.036623	0.367064
	0.274887	2.106659	0.036608	0.36705
	0.319264	2.105395	0.036719	0.367467

	0.26543	2.098605	0.037322	0.369374
	0.170502	2.1042	0.036825	0.367756
TBKBP1;ENSG00000239291	0.182915	2.10294	0.036937	0.368171
	-0.27267	-2.10767	0.03652	0.366712
COL5A1;ADAMTSL2;GTF3C5	0.285782	2.106672	0.036607	0.36705
	0.274049	2.10361	0.036877	0.367918
	0.215622	2.098947	0.037292	0.369255
	-0.22812	-2.103	0.036932	0.368159
FABP6;ENSG00000247699;C5orf54;PTTG1;ATP10B	-0.15982	-2.0945	0.037691	0.370937
	-0.18766	-2.09943	0.037249	0.369145
	0.156953	2.103682	0.036871	0.367918
GRHL2;YWHAZ	-0.28933	-2.10308	0.036924	0.36814
	-0.20119	-2.10814	0.036478	0.366603
	0.259015	2.1043	0.036816	0.367726
MEOX1;GJC1;GPATCH8	0.182976	2.105923	0.036673	0.367182
	-0.20805	-2.10214	0.037008	0.368425
ING2	-0.30791	-2.10231	0.036992	0.368349
	0.284178	2.103768	0.036863	0.367918
	0.201841	2.108016	0.036489	0.366603
	0.187556	2.096504	0.037511	0.370272
	-0.2807	-2.10274	0.036954	0.368205
CALM2;ENSG00000260977	0.241468	2.106052	0.036661	0.367137
	0.197717	2.105071	0.036748	0.367527
	-0.25651	-2.10744	0.03654	0.366819
LYPLA1	-0.26109	-2.09937	0.037254	0.369155
	0.159984	2.100589	0.037145	0.368854
	0.195864	2.103982	0.036844	0.367829
	0.185607	2.10073	0.037133	0.368778
	-0.16493	-2.10034	0.037168	0.368923
	0.261418	2.100043	0.037194	0.368999
	-0.17618	-2.09652	0.037509	0.370269
	0.30618	2.100173	0.037183	0.368974
	0.158798	2.094023	0.037734	0.371151
	-0.16345	-2.10381	0.036859	0.367918
	0.319429	2.106123	0.036655	0.367137
	-0.2462	-2.10445	0.036803	0.367685
	0.249774	2.0982	0.037359	0.369565
	-0.17648	-2.1047	0.036781	0.367627
PPP2R5D;NFKBIE	0.123635	2.099631	0.037231	0.369111
PFKFB2;FAIM3;CD34;DYRK3;SRGAP2;C1orf186	0.341782	2.107781	0.03651	0.366686
	0.382401	2.107133	0.036566	0.366887
RER1;MEGF6;PRDM16;TP73- AS1;ENSG00000272235;PANK4;LINC00982;ENSG00000225931	0.24352	2.103576	0.03688	0.367918
	0.236798	2.099524	0.03724	0.36912
	0.308838	2.096008	0.037555	0.370404
	0.211511	2.103095	0.036923	0.36814

	0.176519	2.102189	0.037003	0.368408
	0.223718	2.103066	0.036925	0.36814
	0.28772	2.101316	0.037081	0.368606
	0.233522	2.103807	0.03686	0.367918
AAMDC	0.266212	2.101161	0.037095	0.368668
	0.253563	2.103578	0.03688	0.367918
ADSSL1;C14orf79;TMEM121;CRIP2	-0.45028	-2.10359	0.036879	0.367918
MIPOL1	-0.33299	-2.10729	0.036552	0.36686
BBS9;DPY19L1P1;DPY19L1P2	0.198975	2.09753	0.037419	0.369892
MTR;RYSR2;ACTN2	-0.18588	-2.10676	0.0366	0.36705
WDR45B;PCYT2;NOTUM	-0.41459	-2.10139	0.037074	0.368606
	-0.14712	-2.10243	0.036982	0.36834
CACNA1A	-0.14886	-2.10771	0.036516	0.366698
	0.192668	2.101052	0.037104	0.368711
	-0.15739	-2.10483	0.036769	0.367607
	0.981563	2.080589	0.038964	0.375402
	-0.21339	-2.10534	0.036725	0.367493
ECHS1;ADAM8	-0.25837	-2.09645	0.037515	0.370282
	-0.32003	-2.10517	0.036739	0.367527
	-0.23814	-2.1011	0.0371	0.368703
	-0.14497	-2.09743	0.037428	0.369925
	0.142029	2.101731	0.037044	0.368548
	0.241087	2.101693	0.037047	0.368564
	0.222284	2.10229	0.036994	0.368349
	0.276652	2.103556	0.036882	0.367918
	0.303712	2.107106	0.036569	0.366887
	0.204597	2.098469	0.037335	0.369403
	0.315454	2.105145	0.036742	0.367527
ARL15	0.285912	2.099929	0.037204	0.369018
	-0.16455	-2.10457	0.036792	0.367671
	0.316789	2.103767	0.036863	0.367918
LZTFL1;KIF9-AS1;PTH1R;SETD2;TMEM158;SLC6A20	-0.35372	-2.10443	0.036804	0.367685
SCARF1;MYO1C;ENSG00000262777;INPP5K;SERPINF2;HIC1;YW				
HAE	-0.23888	-2.10207	0.037014	0.368427
	0.258814	2.09762	0.037411	0.369873
FUOM	-0.23531	-2.10245	0.03698	0.368337
LIPH;CHRD;C3orf70;MAP3K13;ABCC5;EHHADH;POLR2H;PSMD2				
;ENSG00000273181	-0.27563	-2.09913	0.037276	0.369242
	-0.15566	-2.0992	0.03727	0.369215
HCP5	0.211077	2.106614	0.036612	0.367063
	0.203172	2.10088	0.037119	0.368772
	0.180413	2.101806	0.037037	0.368507
CAPN2;BROX;SUSD4	-0.31367	-2.09602	0.037554	0.370404
	0.291329	2.104073	0.036836	0.367791
	0.12673	2.106604	0.036613	0.367063
POLR3K	0.228673	2.098039	0.037373	0.369656
	0.139651	2.100024	0.037196	0.368999

IRF8	0.212207	2.105667	0.036695	0.367325
	0.198504	2.106449	0.036627	0.36707
	-0.29144	-2.10603	0.036663	0.367137
	-0.18475	-2.10284	0.036945	0.368185
	-0.16871	-2.10495	0.036758	0.36754
GYPC	-0.24628	-2.10565	0.036697	0.367325
	-0.37617	-2.10156	0.037059	0.368606
	0.275252	2.096403	0.03752	0.370289
	-0.18668	-2.10121	0.03709	0.368645
	0.17922	2.100919	0.037116	0.368759
	-0.18853	-2.10467	0.036783	0.367638
	-0.16945	-2.10449	0.036799	0.367685
	-0.29968	-2.10399	0.036844	0.367829
	-0.20631	-2.1046	0.03679	0.367662
	-0.29856	-2.09879	0.037306	0.369296
	-0.25923	-2.10136	0.037077	0.368606
	0.25163	2.103182	0.036915	0.368106
	-0.27829	-2.10811	0.036481	0.366603
	-0.12881	-2.10158	0.037057	0.368604
	0.223576	2.103749	0.036865	0.367918
FAM60A;DENND5B	-0.25679	-2.09947	0.037245	0.369143
GALK2;FAM227B;SLC27A2	-0.21823	-2.10606	0.036661	0.367137
	-0.25831	-2.10524	0.036733	0.367527
	0.246591	2.104773	0.036774	0.367612
	-0.10222	-2.10245	0.03698	0.368337
	0.166406	2.101358	0.037077	0.368606
	0.228004	2.098764	0.037308	0.369296
	0.237821	2.10652	0.03662	0.367064
	-0.38762	-2.10426	0.03682	0.367737
	0.245173	2.099065	0.037281	0.369255
	0.284632	2.103546	0.036883	0.367918
	-0.26329	-2.09691	0.037475	0.370052
	-0.21541	-2.10374	0.036866	0.367918
	-0.20324	-2.10352	0.036885	0.367927
	-0.25832	-2.10506	0.036749	0.367527
	0.283193	2.106184	0.03665	0.367137
ENTPD7;CHUK;SFXN3	-0.31047	-2.10441	0.036806	0.367685
FCHO1;JAK3;IL12RB1;MAST3;FAM129C;ENSG00000254503	-0.35009	-2.10659	0.036614	0.367064
	0.264188	2.097164	0.037452	0.370013
	-0.28665	-2.10537	0.036721	0.367468
	0.157791	2.102896	0.03694	0.368171
	-0.28711	-2.10401	0.036842	0.367824
SKP1P1	0.277239	2.102746	0.036954	0.368205
	0.157174	2.099978	0.0372	0.368999
	-0.24282	-2.10072	0.037133	0.368778
	0.144242	2.103667	0.036872	0.367918

ADSS;C1orf101	0.145919	2.102688	0.036959	0.368216
	-0.19966	-2.10151	0.037063	0.368606
	-0.20171	-2.09617	0.037541	0.370344
	-0.20256	-2.10018	0.037182	0.368974
	-0.48878	-2.09928	0.037262	0.369205
FLI1;ARHGAP32;ETS1;TMEM45B;TP53AIP1;SENCR MIIP	-0.34299	-2.10184	0.037034	0.368507
	-0.24989	-2.10686	0.03659	0.367016
	0.353497	2.103032	0.036928	0.368147
	0.144077	2.101532	0.037062	0.368606
	-0.17219	-2.10473	0.036778	0.367616
TMEM131;FAM178B;LMAN2L CRMP1	-0.24951	-2.10627	0.036643	0.367137
	-0.15842	-2.09829	0.037351	0.369539
TPPP;PDCD6;TRIP13;NKD2;AHRR;ZDHHC11B	0.18917	2.098746	0.03731	0.369303
	-0.14391	-2.09581	0.037574	0.370463
	-0.28176	-2.09889	0.037297	0.369255
USO1;SDAD1	0.206812	2.105182	0.036738	0.367527
	0.239703	2.097385	0.037432	0.369933
WDR45B;TBCD;ENSG00000262652	-0.34921	-2.09693	0.037472	0.370052
	0.228644	2.102885	0.036941	0.368171
	-0.14221	-2.09949	0.037243	0.369141
	0.19695	2.101355	0.037077	0.368606
	0.146023	2.103086	0.036924	0.36814
	0.185242	2.101329	0.03708	0.368606
	0.140167	2.099647	0.037229	0.369111
	-0.21903	-2.10481	0.036771	0.367607
	-0.28021	-2.10324	0.03691	0.368087
	-0.17024	-2.1002	0.03718	0.368974
	0.477231	2.095573	0.037595	0.370521
MCM5;MB;MPST	-0.21362	-2.10198	0.037022	0.368464
	-0.15372	-2.09944	0.037248	0.369145
	0.172675	2.106165	0.036652	0.367137
	0.161744	2.097497	0.037422	0.369896
	-0.21832	-2.10172	0.037045	0.368551
	0.260528	2.100954	0.037113	0.368756
	0.216549	2.104576	0.036792	0.367671
FAM201A	-0.32517	-2.10372	0.036868	0.367918
MEOX1;GJC1;GPATCH8;EFTUD2;ENSG00000267505;ACBD4;HE XIM1;MPP2	-0.35009	-2.09756	0.037416	0.369892
AGAP2;MARS	-0.28434	-2.09945	0.037247	0.369145
TUBGCP2;KNDC1;INPP5A;LRRC27;PWWP2B;TTC40;STK32C;ECH S1	-0.16832	-2.10182	0.037036	0.368507
ACACB;PWP1;ENSG00000256139	0.206178	2.099777	0.037218	0.369101
	-0.12224	-2.10142	0.037071	0.368606
THYN1;IGSF9B	0.207783	2.101861	0.037032	0.368507
BAI1;DENND3	-0.24039	-2.09969	0.037225	0.369111
	0.160829	2.099748	0.03722	0.36911
ENSG00000226891	-0.25003	-2.10319	0.036915	0.368106

	-0.19661	-2.1025	0.036975	0.368322
	0.255978	2.100885	0.037119	0.368772
	-0.17886	-2.10341	0.036895	0.368005
	0.234572	2.102098	0.037011	0.368427
	-0.17453	-2.10404	0.036839	0.367807
	-0.41773	-2.09641	0.037519	0.370289
WNT9A;HIST3H2A;RHO	-0.33697	-2.10328	0.036906	0.368069
	0.225985	2.099403	0.037251	0.36915
	-0.16645	-2.09623	0.037536	0.370344
	0.186595	2.104761	0.036775	0.367614
METRN	0.163616	2.098895	0.037297	0.369255
CCDC7	0.287487	2.103103	0.036922	0.36814
GIMAP7;GIMAP5;GIMAP2;GIMAP6;GIMAP4;GIMAP1;GIMAP8;				
NUB1	-0.16717	-2.10322	0.036912	0.368089
	-0.33049	-2.10161	0.037055	0.368586
	-0.19443	-2.0908	0.038027	0.372217
	0.153963	2.096897	0.037476	0.370052
	0.257891	2.100396	0.037163	0.3689
	0.179023	2.101066	0.037103	0.368711
	-0.16069	-2.0989	0.037296	0.369255
	-0.32836	-2.10059	0.037145	0.368854
	0.166134	2.101518	0.037063	0.368606
PNPT1	-0.18842	-2.10104	0.037105	0.368711
DDX23;MCRS1;FMNL3;COX14	-0.29271	-2.10566	0.036696	0.367325
CSF1;SLC25A24;SYPL2;PSMA5;CLCC1;WDR47	-0.36284	-2.10274	0.036954	0.368205
PDE4B	0.413123	2.095206	0.037628	0.370654
MOB3A;ZNF57;GNG7;S1PR4;ATP8B3	-0.28711	-2.10442	0.036805	0.367685
CD8A;CD8B	0.353764	2.105041	0.036751	0.367527
	0.247972	2.102383	0.036986	0.36834
TRGC1	0.240995	2.095916	0.037564	0.370426
METTL13;DNM3	0.279908	2.098884	0.037298	0.369255
	-0.21623	-2.10162	0.037053	0.368586
	0.234364	2.100536	0.03715	0.368873
	-0.18006	-2.10232	0.036992	0.368349
RBL1;EPB41L1;SLA2	0.189856	2.100348	0.037167	0.368921
CCDC13-AS1;CCDC13;HHATL-AS1;TRAK1	0.383973	2.103746	0.036865	0.367918
TM4SF18;TSC22D2;ENSG00000198843;SERP1;PFN2;CP	-0.27622	-2.10281	0.036948	0.368185
	-0.2832	-2.10442	0.036805	0.367685
	0.201935	2.098963	0.037291	0.369255
WFDC2;DNTTIP1;SNX21;RIMS4;TP53RK;PIGT;SDC4	-0.27054	-2.10292	0.036939	0.368171
	0.139736	2.103256	0.036908	0.368083
ANTXRPL1	0.275011	2.102363	0.036988	0.368349
UQCRCF1	-0.31959	-2.09754	0.037418	0.369892
	-0.12463	-2.1	0.037198	0.368999
TMEM181;TAGAP;SOD2	-0.26305	-2.10356	0.036881	0.367918
INTS4L2	0.416726	2.10409	0.036835	0.367791
	0.099118	2.098819	0.037303	0.36929

CYP2W1	-0.12537	-2.09659	0.037503	0.370238
	-0.14212	-2.09932	0.037259	0.36918
	-0.20656	-2.10019	0.037181	0.368974
	0.196457	2.104481	0.0368	0.367685
	0.267138	2.100484	0.037155	0.368873
ZFP3;ASPA;SPNS2;TRPV3;CYB5D2;PLD2;ALOX15;KIF1C;SPAG7;P 2RX1;CAMTA2;ZNF232	-0.22279	-2.10355	0.036883	0.367918
	-0.2402	-2.09958	0.037235	0.369111
	-0.22516	-2.09691	0.037474	0.370052
	0.163013	2.097839	0.037391	0.369788
	-0.14308	-2.10081	0.037126	0.368778
SHANK2;ANO1	0.361032	2.100183	0.037182	0.368974
	-0.19727	-2.09664	0.037499	0.370203
SFMBT2;ITIH5 CDC42BPG;DNAJC4;NRXN2;CCDC88B;FERMT3 TRIM37 HOXB4;HOXB- AS2;NXPH3;COL1A1;CALCOCO2;FAM117A;MIR10A ENSG00000267270 RPL3P2	-0.34424	-2.10196	0.037023	0.368464
	-0.29675	-2.10055	0.037149	0.368871
	-0.3034	-2.10441	0.036806	0.367685
	0.202244	2.095667	0.037586	0.370504
	-0.37091	-2.09768	0.037406	0.369873
LINC00338	-0.23624	-2.10143	0.03707	0.368606
	-0.21389	-2.09959	0.037235	0.369111
	-0.12515	-2.09549	0.037602	0.370549
	0.239936	2.097187	0.03745	0.370009
	-0.28763	-2.10262	0.036965	0.368265
GPRC5C	0.269736	2.100188	0.037181	0.368974
	0.227476	2.103425	0.036894	0.368003
	0.180988	2.101158	0.037095	0.368668
	-0.29379	-2.09963	0.037231	0.369111
TBC1D24;ENSG00000260807;TPSB2;TPSAB1;METRN;CCNF	-0.27932	-2.09318	0.03781	0.371406
	0.194176	2.102116	0.03701	0.368425
	0.287057	2.10079	0.037128	0.368778
ACTR8	0.191823	2.100008	0.037197	0.368999
	0.225697	2.101336	0.037079	0.368606
WDR45B;C17orf62;TBCD	-0.20781	-2.1024	0.036984	0.36834
	0.247755	2.101234	0.037088	0.368645
TSPAN18;MAPK8IP1	0.337501	2.098505	0.037331	0.369403
	0.193384	2.103335	0.036901	0.368056
	0.168579	2.099713	0.037224	0.369111
ABI3;SKAP1;HOXB4;PRR15L;HOXB- AS2;NXPH3;NPEPPS;HOXB3;TBKBP1	0.339647	2.100503	0.037153	0.368873
	-0.15879	-2.09691	0.037475	0.370052
	-0.35958	-2.1011	0.0371	0.368703
ANXA11;ZCCHC24;FAM213A;TMEM254	-0.18889	-2.10231	0.036993	0.368349
	-0.25902	-2.10138	0.037075	0.368606
	0.170088	2.103007	0.036931	0.368157
	0.113275	2.098767	0.037308	0.369296



ENSG00000235731 HCP5;LTB;GPSM3;HLA-DRA;HLA-B;HSPA1A	0.161863	2.099624	0.037231	0.369111
	-0.39927	-2.10165	0.037051	0.368577
	0.136777	2.101683	0.037048	0.368564
	0.281332	2.105198	0.036737	0.367527
	-0.22498	-2.10256	0.03697	0.368301
ENSG00000228133;SCARF1	-0.09672	-2.09061	0.038043	0.37225
	0.164932	2.095721	0.037581	0.370497
	-0.19588	-2.10209	0.037012	0.368427
	0.234414	2.103552	0.036882	0.367918
	-0.18093	-2.09858	0.037325	0.369374
C6orf211;PPP1R14C;IYD	-0.22059	-2.10293	0.036937	0.368171
	0.230476	2.095097	0.037637	0.370654
	0.184154	2.102135	0.037008	0.368425
	0.208668	2.099541	0.037239	0.369114
	0.143667	2.101876	0.037031	0.368507
LY6G5C INPP5D;EFHD1	-0.32813	-2.09925	0.037265	0.369214
	-0.16723	-2.10283	0.036946	0.368185
	0.273769	2.101888	0.03703	0.368507
	0.228837	2.098378	0.037343	0.369467
	-0.37029	-2.10306	0.036926	0.36814
SLC9A3;ENSG00000188242	0.308674	2.10151	0.037063	0.368606
	0.163576	2.09745	0.037426	0.369912
	0.243961	2.100111	0.037188	0.368977
	0.140707	2.100278	0.037173	0.368949
	0.174871	2.102829	0.036946	0.368185
ZNF667-AS1	0.182131	2.099043	0.037283	0.369255
	0.22347	2.102332	0.03699	0.368349
	-0.19067	-2.09889	0.037297	0.369255
	0.238759	2.100477	0.037155	0.368873
	0.227198	2.102076	0.037013	0.368427
POMP;POLR1D PIK3CD	0.299271	2.097455	0.037425	0.369912
	-0.29195	-2.09764	0.037409	0.369873
	0.141425	2.1001	0.037189	0.368977
	-0.19141	-2.09817	0.037362	0.369586
	0.21246	2.095652	0.037587	0.370504
NOP56	0.417576	2.098974	0.03729	0.369255
	-0.31422	-2.10076	0.03713	0.368778
	0.269673	2.104145	0.03683	0.367766
	0.237654	2.099184	0.037271	0.369215
	0.182808	2.101482	0.037066	0.368606
CCDC40	-0.16523	-2.10043	0.03716	0.368895
	0.143038	2.097653	0.037408	0.369873
	0.244428	2.097108	0.037457	0.370013
	0.255434	2.094799	0.037664	0.370765
	0.198563	2.101378	0.037075	0.368606
ADAMTS2;ZNF354C;COL23A1;MAML1;RNF130	0.189902	2.099657	0.037229	0.369111
	0.25676	2.097273	0.037442	0.369983

GNA15;MEX3D	0.242131	2.096914	0.037474	0.370052
	0.188068	2.101826	0.037035	0.368507
	0.21444	2.10069	0.037136	0.368799
	0.119973	2.097231	0.037446	0.370002
	-0.15483	-2.10204	0.037017	0.368434
	0.105075	2.102004	0.03702	0.368452
	0.263732	2.098264	0.037353	0.369551
	-0.19779	-2.0946	0.037682	0.370879
	-0.18698	-2.09984	0.037213	0.369066
	-0.26851	-2.09895	0.037292	0.369255
NME4;TMEM204;CACNA1H	0.295677	2.09422	0.037717	0.371035
	0.310421	2.102112	0.03701	0.368425
	0.23662	2.100772	0.037129	0.368778
ENSG00000231609	0.246043	2.098685	0.037315	0.369332
	0.102215	2.096813	0.037483	0.370101
	-0.22419	-2.10249	0.036977	0.368324
	-0.24491	-2.10066	0.037139	0.368819
	-0.26795	-2.10273	0.036955	0.368205
HERC2P9 RQCD1;TNS1;STK16;SPEG SCARB1;GTF2H3;BRI3BP;FAM101A;ZNF664	0.161083	2.099368	0.037254	0.369155
	-0.33431	-2.09861	0.037322	0.369374
	-0.20381	-2.09814	0.037364	0.369592
	0.177849	2.102392	0.036985	0.36834
	0.290865	2.09557	0.037595	0.370521
SLC45A1 JAGN1;SRGAP3;HRH1;ENSG00000206567;TATDN2 IFT80 GPR114;HERPUD1	-0.15529	-2.10077	0.037129	0.368778
	-0.26867	-2.09235	0.037885	0.371685
	-0.30898	-2.09857	0.037326	0.369374
	-0.32582	-2.10161	0.037055	0.368586
	-0.24228	-2.08528	0.03853	0.373886
FASLG	0.340833	2.102414	0.036983	0.36834
	-0.19388	-2.10093	0.037115	0.368756
	-0.30027	-2.10137	0.037076	0.368606
POLG	-0.15728	-2.10183	0.037035	0.368507
	0.213791	2.096195	0.037539	0.370344
	0.295856	2.098899	0.037296	0.369255
	0.304549	2.102034	0.037017	0.368434
	0.216973	2.094354	0.037704	0.370983
TAP1;HLA-DOA;TAP2;HLA-DPB1;HLA-DMA;HLA-DMB;TAPBP;HLA-DRA;SYNGAP1;HLA-DPA1	-0.2209	-2.09756	0.037416	0.369892
	0.183977	2.099986	0.037199	0.368999
	-0.23005	-2.09956	0.037237	0.369112
	0.30605	2.100933	0.037115	0.368756
SLC5A7;CCDC138	-0.16345	-2.09905	0.037282	0.369255
	0.161168	2.100558	0.037148	0.368871
	-0.1756	-2.09334	0.037796	0.371349
LMOD1;LGR6;PPP1R12B;RNPEP;CSRP1;ELF3;IPO9;ENSG00000234678;UBE2T;C1orf106 B3GNT7;INPP5D;ATG16L1;NGEF	-0.27546	-2.09644	0.037517	0.370286

CD6;CD5;MS4A1;MS4A7;TMEM132A;MS4A6A;MS4A8 RPS3AP34 KRIT1	0.175899	2.099623	0.037232	0.369111
	-0.25865	-2.09721	0.037447	0.370002
	-0.26566	-2.09698	0.037468	0.37005
	-0.14818	-2.10048	0.037155	0.368873
	-0.17639	-2.09296	0.03783	0.371488
MEX3D	0.243011	2.097623	0.03741	0.369873
	-0.28185	-2.1013	0.037082	0.368606
	0.21292	2.100426	0.03716	0.368895
	0.174031	2.101296	0.037083	0.368606
	-0.11922	-2.09201	0.037917	0.371763
NKTR;HIGD1A	-0.2024	-2.09519	0.037629	0.370654
	-0.2658	-2.09869	0.037315	0.369332
	0.237079	2.096884	0.037477	0.370055
	-0.24393	-2.0962	0.037538	0.370344
	0.15027	2.096872	0.037478	0.370057
BAIAP2	0.354261	2.101386	0.037074	0.368606
	0.218298	2.10095	0.037113	0.368756
	-0.18751	-2.09757	0.037415	0.369892
	0.235221	2.10135	0.037078	0.368606
	-0.25791	-2.08931	0.038162	0.372645
WNT5A SLC7A5	0.234668	2.098552	0.037327	0.369382
	0.25504	2.099825	0.037214	0.369068
	0.302217	2.097915	0.037384	0.36974
	-0.21017	-2.08871	0.038217	0.37287
	0.287674	2.100127	0.037187	0.368975
CBX2;TIMP2;C1QTNF1;ENSG00000267491;ENSG00000178404	-0.36286	-2.10048	0.037156	0.368873
	-0.17923	-2.0967	0.037493	0.370163
	0.209209	2.099209	0.037269	0.369215
	-0.22602	-2.09531	0.037618	0.370648
	-0.18916	-2.09196	0.037921	0.371763
FUOM;INPP5A	0.262434	2.096283	0.037531	0.370318
	-0.27007	-2.08837	0.038247	0.372963
	0.168803	2.102903	0.03694	0.368171
	0.189179	2.098932	0.037293	0.369255
	-0.30728	-2.09335	0.037795	0.371349
	-0.21558	-2.09959	0.037234	0.369111
	0.224786	2.102127	0.037009	0.368425
	0.161578	2.099332	0.037258	0.369178
	-0.14183	-2.09967	0.037228	0.369111
	0.228988	2.093033	0.037824	0.371474
	0.175893	2.096522	0.037509	0.370269
	0.161596	2.100092	0.03719	0.368977
	0.214529	2.096977	0.037468	0.37005
	-0.20339	-2.09151	0.037961	0.3719
	0.283158	2.100417	0.037161	0.368895
	0.206346	2.098485	0.037333	0.369403

	0.216891	2.093826	0.037752	0.371166
	-0.17573	-2.09892	0.037295	0.369255
	-0.19062	-2.09821	0.037358	0.369565
	0.263303	2.10002	0.037196	0.368999
	0.274351	2.099187	0.037271	0.369215
	-0.16823	-2.09493	0.037653	0.37073
MTMR12;ADAMTS12	0.410161	2.093527	0.037779	0.371282
CXCR6	-0.26163	-2.09967	0.037228	0.369111
	0.259287	2.101207	0.03709	0.368645
	-0.24789	-2.10328	0.036906	0.368069
NME4;SOX8	-0.16683	-2.10049	0.037154	0.368873
	0.194483	2.095798	0.037574	0.370463
	-0.26771	-2.10145	0.037069	0.368606
RPS17L	-0.24727	-2.09474	0.037669	0.3708
IL10RA	-0.37046	-2.10084	0.037123	0.368775
SEMA6A	-0.20644	-2.08708	0.038366	0.373293
	0.245426	2.095277	0.037621	0.370648
	-0.29473	-2.10038	0.037164	0.3689
	0.20872	2.096269	0.037532	0.370318
PIGV;ATPIF1;HMGN2;FGR;SLC9A1;C1orf172;PPP1R8	-0.20446	-2.09384	0.03775	0.371162
	-0.24235	-2.09647	0.037513	0.370281
	0.288285	2.100124	0.037187	0.368975
	0.235015	2.092982	0.037828	0.371488
PPP1R18;HCP5;HLA-E;HLA-C;LTB;HLA-B;LST1;HSPA1A;MICB	-0.25008	-2.09894	0.037292	0.369255
	-0.19687	-2.10021	0.037179	0.368974
	-0.1653	-2.0958	0.037574	0.370463
	0.219783	2.095306	0.037619	0.370648
	0.29404	2.097966	0.03738	0.369703
	-0.19747	-2.09553	0.037598	0.37054
CDCP1;ZNF445;ZNF660;LARS2;TCAIM	-0.30747	-2.09764	0.037408	0.369873
	0.23267	2.092189	0.0379	0.371727
	0.148013	2.099137	0.037275	0.369242
	0.210294	2.092391	0.037882	0.371685
	-0.27996	-2.09676	0.037488	0.370132
	0.287504	2.099584	0.037235	0.369111
	-0.22629	-2.09901	0.037286	0.369255
	0.215321	2.098578	0.037325	0.369374
	-0.21863	-2.09483	0.037662	0.370765
ABCB10	-0.16228	-2.10062	0.037142	0.36884
FAM131B;TMEM139	-0.31305	-2.0957	0.037583	0.370497
NCKAP1L;ITGA5;ITGB7;KRT4	0.264769	2.096928	0.037473	0.370052
	-0.17108	-2.09214	0.037905	0.371736
	0.285837	2.09859	0.037324	0.369374
	0.199024	2.089633	0.038132	0.372545
	0.288868	2.09892	0.037294	0.369255
FEM1B	-0.19291	-2.09986	0.03721	0.369059

RPS15AP6	0.329349	2.097028	0.037464	0.370047
	0.24107	2.093923	0.037743	0.37116
ARHGEF1;CEACAM21;ENSG00000268027;POU2F2	-0.3255	-2.09985	0.037211	0.369063
	-0.18564	-2.09491	0.037654	0.37073
CDH1;ESRP2;NQO1;SNTB2;SMPD3	-0.30318	-2.09997	0.0372	0.368999
	-0.17342	-2.0956	0.037592	0.370521
	0.324519	2.098928	0.037294	0.369255
	0.147669	2.095085	0.037639	0.370654
	-0.19344	-2.09385	0.03775	0.371162
	0.285804	2.09773	0.037401	0.369853
SRC;TLDC2	-0.21079	-2.09236	0.037885	0.371685
	-0.2737	-2.09714	0.037454	0.370013
ENSG00000258702;BDKRB2;PAPOLA;AK7;GSKIP;BDKRB1	0.253606	2.100311	0.03717	0.368937
	-0.15095	-2.09785	0.03739	0.369788
	0.216463	2.099546	0.037238	0.369114
ANXA11	-0.29563	-2.09507	0.03764	0.370654
RPS3AP26	0.263601	2.097508	0.037421	0.369896
	0.250877	2.094175	0.037721	0.37104
	0.329529	2.097773	0.037397	0.369823
	0.110808	2.091303	0.037981	0.372022
	0.133266	2.095242	0.037624	0.370648
	-0.34748	-2.09507	0.03764	0.370654
	-0.25415	-2.09937	0.037254	0.369155
	0.301628	2.096999	0.037466	0.370047
SLIT2-IT1	0.275651	2.08961	0.038135	0.372545
RHPN1-AS1;ARHGAP39;TONSL;MAPK15;FAM83H-AS1	-0.31552	-2.09643	0.037518	0.370289
PARP11	-0.23977	-2.10072	0.037133	0.368778
	0.212041	2.098067	0.037371	0.36964
	0.234472	2.095764	0.037577	0.370476
PADI1;PADI2;RSG1;SDHB	-0.41289	-2.09524	0.037624	0.370648
	0.322711	2.102291	0.036994	0.368349
	-0.336	-2.08955	0.03814	0.372571
	0.27117	2.097055	0.037461	0.370045
	-0.21607	-2.09735	0.037435	0.369947
	-0.18968	-2.09218	0.037901	0.371727
	0.2294	2.099469	0.037245	0.369143
	-0.28164	-2.09824	0.037356	0.369558
KCNMB2;ENSG00000271131;ENSG00000237978	0.235576	2.094229	0.037716	0.371035
MCTP1	0.363649	2.098086	0.037369	0.369631
	-0.12186	-2.09559	0.037593	0.370521
	0.120854	2.092686	0.037855	0.371628
	-0.22779	-2.0985	0.037332	0.369403
	0.234131	2.095645	0.037588	0.370504
	-0.23682	-2.09924	0.037266	0.369214
FAM198A;ZBTB47;ZNF662;HIGD1A;ABHD5;SS18L2	0.25898	2.094952	0.037651	0.37073
	0.206389	2.093891	0.037746	0.371162
	0.172735	2.097686	0.037405	0.369873

PCSK1	0.219004	2.095568	0.037595	0.370521
DAAM2	-0.19975	-2.09237	0.037884	0.371685
	0.30031	2.096129	0.037545	0.370365
	-0.21142	-2.09479	0.037665	0.370765
	-0.17175	-2.09378	0.037756	0.371182
	-0.22939	-2.09622	0.037537	0.370344
	-0.22716	-2.09656	0.037506	0.370254
	0.24052	2.09241	0.03788	0.371685
WDR45B;ENSG00000261888;ENSG00000265136	-0.16049	-2.0948	0.037664	0.370765
	-0.23454	-2.09514	0.037634	0.370654
	-0.17345	-2.09525	0.037624	0.370648
DCTD	0.20811	2.092597	0.037863	0.371649
EGFLAM;DAB2;OSMR;LIFR	-0.26838	-2.09481	0.037664	0.370765
	0.214025	2.092645	0.037859	0.37164
	0.207777	2.094209	0.037718	0.371035
	0.20174	2.098972	0.03729	0.369255
	0.204611	2.095084	0.037639	0.370654
	-0.1416	-2.09579	0.037575	0.370463
GPR153;TAS1R1	-0.3042	-2.09194	0.037922	0.371763
	0.18011	2.097248	0.037444	0.369998
	0.193574	2.092369	0.037884	0.371685
	0.238096	2.098155	0.037363	0.369588
	0.24416	2.096278	0.037531	0.370318
	0.279946	2.096084	0.037549	0.370388
	0.296558	2.096749	0.037489	0.370132
	0.144291	2.095619	0.03759	0.370519
DDAH2	-0.42996	-2.09712	0.037456	0.370013
	0.296582	2.099418	0.03725	0.369145
	-0.20602	-2.09507	0.03764	0.370654
TRIM69	-0.33471	-2.09582	0.037573	0.370463
	-0.20754	-2.09913	0.037276	0.369242
	-0.24501	-2.0944	0.0377	0.370967
	0.25282	2.097534	0.037418	0.369892
	0.121444	2.093671	0.037766	0.371236
	0.143372	2.095939	0.037562	0.370423
	-0.19795	-2.09565	0.037588	0.370504
	-0.31709	-2.09207	0.037911	0.37176
CAPG;TMSB10	-0.13478	-2.0918	0.037935	0.371817
	0.110467	2.095877	0.037567	0.370449
GRHL2	0.313194	2.094157	0.037722	0.371047
	-0.1222	-2.08706	0.038368	0.373293
EXOSC10	-0.25986	-2.09824	0.037355	0.369558
	0.191648	2.088301	0.038254	0.372965
KPNA1;WDR5B;STXBP5L;CSTA	-0.31621	-2.09842	0.037339	0.36944
	-0.18013	-2.08961	0.038134	0.372545
CNN1;KANK2	-0.28972	-2.09967	0.037227	0.369111
	-0.28714	-2.09882	0.037303	0.36929

	-0.17538	-2.0946	0.037682	0.370879
	0.231616	2.095421	0.037608	0.370598
	-0.31262	-2.0957	0.037583	0.370497
WNT11;CAPN5	-0.14325	-2.08962	0.038134	0.372545
TGFB1I1;PPP4C;PYCARD;ENSG00000260219;C16orf93;SETD1A; PHKG2;ZNF629	-0.23147	-2.09155	0.037958	0.37188
	-0.26148	-2.09522	0.037626	0.370654
	0.288471	2.098964	0.03729	0.369255
	-0.15592	-2.09597	0.037559	0.370422
SLC5A4;CPSF1P1;DUSP18;ENSG00000198832;LIMK2;CCDC157; SMTN	-0.22974	-2.09097	0.038011	0.372148
	-0.22134	-2.08865	0.038222	0.372884
	-0.19594	-2.1012	0.037091	0.368645
LOXL2;CCAR2;ENSG00000253837;STC1;BIN3;TNFRSF10C	-0.30273	-2.0899	0.038108	0.372475
	0.21703	2.097192	0.037449	0.370009
	0.190193	2.097118	0.037456	0.370013
	-0.20809	-2.09199	0.037918	0.371763
ZNF267;PYCARD;KAT8	-0.29879	-2.09879	0.037306	0.369296
	-0.19456	-2.09649	0.037512	0.370274
LCP1	0.279042	2.099738	0.037221	0.36911
TENC1;ACVRL1;GRASP;GALNT6;POU6F1;ENSG00000257337;KR T7;KRT80;SLC4A8;KRT18;DAZAP2	0.265793	2.083536	0.038691	0.374382
	-0.20214	-2.09317	0.037812	0.371406
	-0.16972	-2.09325	0.037804	0.37139
	0.240264	2.092519	0.03787	0.371666
	-0.24268	-2.09957	0.037236	0.369112
PTGR2	0.205011	2.095516	0.0376	0.370541
	0.208322	2.092061	0.037912	0.37176
	-0.35007	-2.09514	0.037634	0.370654
SHE;TDRD10;FAM189B;SLC50A1;MTX1;SHC1;ADAR;ADAM15;C 1orf43;ARHGEF2	-0.25606	-2.09325	0.037804	0.37139
	-0.21231	-2.09756	0.037416	0.369892
CCDC114;SLC6A16;FUT1;RPL13A;CD37;ENSG00000197813;RU VBL2;RPL18;EMP3	-0.29956	-2.0907	0.038035	0.37223
KIF21B;C1orf106	0.177013	2.098227	0.037356	0.369558
MICU2	0.335343	2.087244	0.038351	0.373286
PYGM;NRXN2;HRASLS2;RASGRP2;MAP4K2	-0.27301	-2.09848	0.037334	0.369403
	-0.26933	-2.09243	0.037879	0.371685
	0.298633	2.096691	0.037494	0.370166
RNF213	0.265851	2.096464	0.037514	0.370282
NUDT5;LINC00710;CAMK1D;USP6NL	-0.28006	-2.08873	0.038215	0.37287
	-0.20517	-2.09553	0.037599	0.37054
	-0.1645	-2.08918	0.038174	0.372687
ITPR2	-0.25448	-2.09257	0.037866	0.371649
	-0.15794	-2.09379	0.037755	0.371182
	-0.25284	-2.097	0.037466	0.370047
ENSG00000269640	0.303245	2.099912	0.037206	0.369025

	-0.26303	-2.09385	0.03775	0.371162
	0.216983	2.092156	0.037903	0.371736
	0.189052	2.093041	0.037823	0.371474
	0.161893	2.091688	0.037946	0.371842
RLTPR;SNTB2	-0.31663	-2.09241	0.03788	0.371685
	-0.26428	-2.09617	0.037541	0.370344
	-0.30163	-2.09739	0.037431	0.369933
DOK3;PDLIM7;RNF44	0.171283	2.094462	0.037695	0.370948
CDK20;S1PR3;C9orf47	-0.24307	-2.09161	0.037953	0.371872
	-0.18151	-2.0971	0.037457	0.370013
TOP2A;KRT23;RAPGEFL1;THRA	-0.25656	-2.09594	0.037562	0.370423
	-0.26877	-2.09488	0.037657	0.370745
	0.169807	2.09857	0.037326	0.369374
	-0.16266	-2.09143	0.037969	0.371928
SLAMF1;CD84;LY9;SLAMF6;USP21;SLAMF7;CD244;FCRL6;CD48;MPZ;FCGR2B;SLAMF8;FCGR2C;PVRL4	0.39797	2.097328	0.037437	0.369961
	0.200282	2.087857	0.038295	0.373012
	0.18387	2.093948	0.037741	0.37116
	-0.27741	-2.09705	0.037462	0.370045
	0.269188	2.099273	0.037263	0.369205
CD96;ENSG00000244720;C3orf52	-0.22323	-2.09094	0.038013	0.372148
	-0.16109	-2.09365	0.037768	0.371236
	-0.2305	-2.09722	0.037447	0.370002
	0.206223	2.085028	0.038554	0.373974
PLEKHB1;POLD3;DNAJB13;PPME1;C2CD3;ENSG00000255847;PGM2L1;ENSG00000254837;UCP2;FCHSD2	-0.24198	-2.09094	0.038013	0.372148
	0.241225	2.091267	0.037984	0.37204
RABL2B	-0.16212	-2.09677	0.037487	0.370132
	-0.24067	-2.09119	0.037991	0.372077
CLHC1;EML6	-0.32678	-2.09228	0.037892	0.371721
DDX52	0.196916	2.089563	0.038139	0.372571
KEL	0.219634	2.097009	0.037465	0.370047
PDCD6;ENSG00000188242;NKD2;TPPP;LPCAT1;SDHA;TRIP13	-0.31039	-2.09873	0.037311	0.369309
PDCD2;C6orf120	-0.18001	-2.09629	0.03753	0.370318
FAM198B;TMEM144	0.220471	2.089313	0.038162	0.372645
	-0.15375	-2.09339	0.037792	0.371338
COL1A2;DYNC1I1;PON2	-0.30803	-2.09095	0.038013	0.372148
PRR24	-0.2349	-2.09171	0.037943	0.371827
	-0.20636	-2.09355	0.037777	0.371281
	0.114744	2.096311	0.037528	0.370318
	-0.25229	-2.08786	0.038294	0.373012
	-0.2238	-2.08998	0.038101	0.372474
CAPN8	-0.23581	-2.0946	0.037682	0.370879
ENSG00000204380;PKP4	-0.25928	-2.09005	0.038095	0.37245
RNF166	0.355535	2.097795	0.037395	0.369812
	-0.17065	-2.09282	0.037843	0.371547



USP44	0.280213	2.092134	0.037905	0.371736
	0.28236	2.097282	0.037441	0.369983
	-0.17154	-2.09174	0.037941	0.371827
	-0.30668	-2.0898	0.038118	0.37252
	-0.2251	-2.09293	0.037833	0.371494
SYNRG;CCL5	0.255157	2.096388	0.037521	0.370289
	-0.19529	-2.09057	0.038047	0.37225
	-0.11956	-2.09009	0.038091	0.372437
	0.178316	2.09178	0.037937	0.371827
SLC25A27	0.176716	2.091735	0.037941	0.371827
	0.10707	2.087275	0.038348	0.373267
	0.166895	2.090917	0.038016	0.37215
	-0.22337	-2.08938	0.038156	0.372645
	0.161198	2.087069	0.038367	0.373293
TRMT112;FAU	-0.22438	-2.09587	0.037568	0.370449
	0.176951	2.094916	0.037654	0.37073
	0.17758	2.092388	0.037882	0.371685
	-0.16143	-2.09514	0.037634	0.370654
	0.210308	2.099079	0.03728	0.369255
ADAM19	-0.16496	-2.09191	0.037926	0.371764
	0.297215	2.096093	0.037548	0.370388
	-0.25773	-2.09146	0.037966	0.371916
	0.167614	2.098764	0.037308	0.369296
ARHGEF10	-0.22827	-2.0973	0.037439	0.369977
	0.23544	2.084498	0.038603	0.374121
	0.334125	2.097522	0.03742	0.369892
	-0.29258	-2.09393	0.037743	0.37116
TRIM16L	-0.23936	-2.09849	0.037333	0.369403
	0.25768	2.088149	0.038268	0.372983
	0.257309	2.094587	0.037683	0.370879
	0.262426	2.095991	0.037557	0.37041
ENSG00000213090	-0.23775	-2.09511	0.037636	0.370654
	-0.20581	-2.08678	0.038394	0.373353
	-0.16602	-2.09095	0.038013	0.372148
	-0.22306	-2.08494	0.038562	0.373974
	0.20128	2.095404	0.03761	0.370598
SHQ1	0.276741	2.094566	0.037685	0.370889
	0.268094	2.09208	0.03791	0.37176
	0.107425	2.094709	0.037672	0.370822
	0.233598	2.09362	0.037771	0.371251
	-0.22707	-2.08984	0.038114	0.372492
G4P10	0.191019	2.088618	0.038225	0.372884
	0.267419	2.095929	0.037563	0.370423
CSPG4P9;ENSG00000259328;ENSG00000255769;CSPG4P8;CSP				
FZD8	-0.31311	-2.09479	0.037665	0.370765
	0.253512	2.093915	0.037744	0.37116
	0.095922	2.086864	0.038385	0.373314

STIP1;MALAT1;SNX15;NEAT1;SF1;TRMT112;MRPL49	0.165048	2.09265	0.037858	0.37164
MIR205HG;CAMK1G;LAMB3	0.211452	2.093673	0.037766	0.371236
	0.199927	2.094429	0.037698	0.370965
	-0.21582	-2.09566	0.037586	0.370504
	-0.26516	-2.08369	0.038677	0.374367
PNO1	-0.20632	-2.09273	0.037851	0.371607
	0.112275	2.094608	0.037682	0.370879
	0.265004	2.093877	0.037748	0.371162
GPR132;ADSSL1	0.25433	2.092208	0.037898	0.371721
	-0.25756	-2.09289	0.037836	0.371511
	-0.20039	-2.09583	0.037572	0.370463
	0.193076	2.095503	0.037601	0.370544
	0.138044	2.092842	0.037841	0.371532
SMIM5;UNC13D;GPRC5C;SLC16A5	0.254692	2.097031	0.037464	0.370047
GPC6	-0.36588	-2.09182	0.037933	0.371814
TIPARP;KCNAB1	-0.30982	-2.08524	0.038534	0.373886
TMEM45B;ARHGAP32;SNX19	-0.48624	-2.09459	0.037683	0.370879
WDFY4	0.230096	2.095126	0.037635	0.370654
PBX3;ARPC5L	-0.25577	-2.09633	0.037526	0.370313
	-0.23009	-2.09019	0.038081	0.372387
ACTA2-AS1	-0.321	-2.09713	0.037455	0.370013
	0.268821	2.089362	0.038157	0.372645
	-0.25392	-2.0974	0.037431	0.369933
	0.187219	2.09581	0.037573	0.370463
	0.289236	2.092967	0.03783	0.371488
TTC34;CEP104	-0.31474	-2.07963	0.039053	0.375632
	-0.23763	-2.09528	0.037621	0.370648
MRPS23	0.198276	2.093666	0.037767	0.371236
	-0.20674	-2.09342	0.037789	0.371325
SLBP	0.19122	2.080525	0.03897	0.375416
TVP23B;COPS3	-0.19391	-2.09249	0.037873	0.37168
EDNRA;ARHGAP10	0.197151	2.087869	0.038293	0.373012
	-0.25366	-2.08917	0.038175	0.372687
	0.21804	2.087014	0.038372	0.373302
CCDC97;DEDD2	-0.24507	-2.09652	0.03751	0.370269
	0.194281	2.092445	0.037877	0.371685
	-0.21296	-2.08933	0.03816	0.372645
	0.172699	2.088355	0.038249	0.372963
HSPG2;ID3;LDLRAD2;ENSG00000232037;EPHB2;LUZP1;CDC42	0.225547	2.093421	0.037789	0.371325
	-0.31347	-2.09427	0.037712	0.371018
C14orf79;ADSSL1;INF2;TMEM121;ENSG00000251602	-0.34885	-2.09291	0.037835	0.371508
	0.200156	2.09534	0.037616	0.370638
	-0.10591	-2.08543	0.038517	0.373848
DNAH14	0.278567	2.092215	0.037898	0.371721
	0.213304	2.089028	0.038188	0.372752
	0.198741	2.095245	0.037624	0.370648

PSMG3	0.19708	2.089953	0.038103	0.372474
	-0.24437	-2.09613	0.037544	0.370365
	0.205906	2.09442	0.037698	0.370965
	-0.44804	-2.0942	0.037719	0.371037
	0.235146	2.095282	0.037621	0.370648
	0.16611	2.092058	0.037912	0.37176
	-0.22247	-2.0928	0.037845	0.371555
	-0.18567	-2.08803	0.038279	0.373012
	0.263271	2.089416	0.038152	0.372645
	-0.36204	-2.09481	0.037663	0.370765
	-0.29092	-2.0882	0.038263	0.372983
	-0.31684	-2.08876	0.038212	0.372864
	0.240067	2.097379	0.037432	0.369933
	0.191376	2.091139	0.037995	0.372092
	0.204315	2.093713	0.037762	0.371228
	0.183605	2.088945	0.038195	0.372806
	0.287304	2.096066	0.03755	0.370393
	CLSTN3;C1S;C1R;IFFO1;NTF3;VWF;LRRC23;GPR162;C1RL;ANO2			
	;LEPREL2;RBP5;CD27;PTMS;C1RL-AS1			
	-0.22327	-2.09617	0.037541	0.370344
GPX2	0.12982	2.095406	0.03761	0.370598
	-0.22442	-2.09102	0.038006	0.372145
	-0.17953	-2.09493	0.037653	0.37073
	0.152855	2.089884	0.03811	0.372475
	0.175318	2.09301	0.037826	0.371477
	0.161227	2.088663	0.038221	0.372881
	-0.21578	-2.09345	0.037786	0.371321
	-0.30733	-2.09511	0.037636	0.370654
	0.223145	2.094361	0.037704	0.370983
	-0.25323	-2.0864	0.038428	0.373517
	0.211918	2.097106	0.037457	0.370013
	0.124009	2.093349	0.037795	0.371349
	-0.32961	-2.09257	0.037865	0.371649
	-0.19175	-2.09353	0.037779	0.371282
	0.190633	2.094413	0.037699	0.370965
	-0.33019	-2.09594	0.037561	0.370423
	0.236993	2.088351	0.038249	0.372963
	-0.21564	-2.0951	0.037637	0.370654
	-0.14467	-2.09046	0.038057	0.37225
	0.29012	2.095048	0.037642	0.370666
TUSC2;SEMA3B FBXO36;ARMC9 GRHL2;SPAG1;RGS22	-0.22988	-2.0877	0.038309	0.373058
	-0.25852	-2.09158	0.037956	0.371872
	0.215668	2.092963	0.03783	0.371488
	-0.25784	-2.09375	0.037759	0.371206
	0.205892	2.093169	0.037811	0.371406
	0.242843	2.089547	0.03814	0.372571
	0.146818	2.095145	0.037633	0.370654
	0.21838	2.093996	0.037737	0.371151

ZNF382;ZFP82;ZNF529;ZNF568;ZNF527;ZNF566	0.254183	2.095394	0.037611	0.370598
ENSG00000272696	0.229116	2.093652	0.037768	0.371236
	-0.22138	-2.09439	0.037701	0.370971
FZD6	-0.16662	-2.08877	0.038211	0.372864
	0.22977	2.096375	0.037522	0.370292
FAIM3	-0.23609	-2.0907	0.038036	0.37223
XRCC1	0.222367	2.093929	0.037743	0.37116
	0.176139	2.091138	0.037996	0.372092
	0.190903	2.085364	0.038523	0.373857
HLA-A;MDC1;GABBR1	0.253287	2.09343	0.037788	0.371325
BHMT2	-0.40667	-2.0969	0.037476	0.370052
	0.209918	2.093498	0.037782	0.371291
	-0.31451	-2.09304	0.037823	0.371474
	-0.19189	-2.09236	0.037884	0.371685
	0.18104	2.087892	0.038291	0.373012
	0.199282	2.091591	0.037954	0.371872
STOML2	0.316788	2.089476	0.038147	0.372617
HMHA1;ARID3A;GRIN3B;ENSG00000129951;TCF3;ATP8B3	-0.2489	-2.09334	0.037796	0.371349
	-0.17572	-2.09221	0.037898	0.371721
	-0.31615	-2.08819	0.038265	0.372983
	-0.21576	-2.09358	0.037774	0.371257
	0.247816	2.092033	0.037914	0.371763
	0.128887	2.092844	0.037841	0.371532
	-0.17178	-2.09432	0.037707	0.370994
	-0.30859	-2.08772	0.038307	0.373058
	-0.14356	-2.09077	0.038029	0.372222
SPNS2;PLD2;CYB5D2;SPAG7;MINK1;CAMTA2;ASPA;ZZEF1	-0.19312	-2.08793	0.038288	0.373012
	0.287532	2.088938	0.038196	0.372806
	-0.17851	-2.08428	0.038623	0.374195
	0.190461	2.092207	0.037899	0.371721
ARHGEF10	0.274574	2.089131	0.038178	0.372687
	-0.14477	-2.09195	0.037922	0.371763
	-0.18745	-2.08815	0.038268	0.372983
	-0.20018	-2.09328	0.037802	0.371384
	0.17243	2.092241	0.037895	0.371721
	0.215653	2.090202	0.038081	0.372387
	0.244158	2.089199	0.038172	0.372687
	-0.24475	-2.09248	0.037874	0.37168
RNU4-1	-0.22294	-2.09351	0.037781	0.371291
GRAP2	-0.169	-2.08712	0.038362	0.373293
	0.107857	2.091971	0.03792	0.371763
	0.350451	2.094217	0.037717	0.371035
	-0.17427	-2.08989	0.038109	0.372475
	0.161322	2.090307	0.038071	0.372337
	0.225553	2.089709	0.038126	0.372545

HIST1H2AB	-0.20599	-2.08995	0.038103	0.372474
	0.238936	2.091578	0.037956	0.371872
	0.199592	2.094461	0.037695	0.370948
	0.244426	2.093586	0.037774	0.371257
	-0.14249	-2.09263	0.03786	0.371642
	0.23653	2.089998	0.038099	0.372473
	0.220087	2.09221	0.037898	0.371721
	0.234951	2.090181	0.038083	0.372388
	-0.22252	-2.09183	0.037933	0.371814
	0.245145	2.088247	0.038259	0.372983
TMC8;TNRC6C;ST6GALNAC1;TNRC6C-AS1;JMJD6;MXRA7;CYGB	-0.34888	-2.09401	0.037736	0.371151
	0.169277	2.091148	0.037995	0.372092
	-0.23276	-2.09359	0.037773	0.371257
	-0.36878	-2.095	0.037646	0.370701
SOX10;C22orf23	0.17518	2.092474	0.037874	0.37168
	-0.16579	-2.08157	0.038874	0.375113
	-0.14061	-2.08832	0.038252	0.372965
SLC43A1;APLNR	0.121288	2.090639	0.038041	0.37225
GPIHBP1	0.245605	2.089342	0.038159	0.372645
ARHGEF15;MYH10;ATP1B2;NLGN2;TNFSF12;MPDU1;VAMP2;E NSG00000270606;PER1;WRAP53;CYB5D1	-0.30681	-2.09073	0.038032	0.372222
	-0.4075	-2.0906	0.038044	0.37225
FNIP2	0.243031	2.084997	0.038557	0.373974
	0.199587	2.096332	0.037526	0.370313
GAPVD1;RABEPK;WDR38	-0.35701	-2.09149	0.037964	0.3719
	0.203463	2.093111	0.037817	0.371446
IST1	0.189749	2.096296	0.03753	0.370318
	-0.25603	-2.0795	0.039065	0.375649
	-0.18238	-2.09295	0.037831	0.371488
OARD1	0.331478	2.091444	0.037968	0.371922
	0.253212	2.093292	0.0378	0.37138
	-0.20337	-2.094	0.037736	0.371151
	0.176845	2.090976	0.03801	0.372148
	0.235376	2.083186	0.038724	0.374524
	0.203768	2.090514	0.038052	0.37225
	0.227395	2.084264	0.038624	0.374203
	0.18975	2.089152	0.038176	0.372687
GGT7;MMP24- AS1;ITCH;EIF2S2;GSS;PIGU;FAM83C;TP53INP2;EIF6;MYH7B	-0.36259	-2.09159	0.037955	0.371872
	-0.29602	-2.08018	0.039002	0.375514
	-0.25867	-2.09132	0.037979	0.372011
NRXN2;TRPT1;PLA2G16	-0.37087	-2.09491	0.037654	0.37073
	-0.19513	-2.09161	0.037953	0.371872
	0.23784	2.093183	0.03781	0.371406
	0.296948	2.093232	0.037806	0.3714

	0.123466	2.090453	0.038058	0.37225
MYO1F	-0.19146	-2.09382	0.037752	0.371166
TMEM14C	-0.313	-2.07995	0.039023	0.375571
	0.17552	2.086641	0.038406	0.373424
	0.125354	2.091921	0.037924	0.371763
FMNL3;ENSG00000258334;CCDC65;ASIC1;KCNH3;C12orf68;TMBIM6;PRPH;CACNB3;TUBA1A;SPATS2;LMBR1L;RHEBL1;WNT10B;ENSG00000257954;BCDIN3D;ZNF641	-0.20658	-2.08997	0.038102	0.372474
	-0.13519	-2.09192	0.037925	0.371763
HAAO;PKDCC	0.222322	2.090647	0.03804	0.37225
	-0.23885	-2.08354	0.038691	0.374382
	0.431244	2.091564	0.037957	0.371875
	-0.34936	-2.09162	0.037952	0.371872
	0.231395	2.0886	0.038227	0.372884
	0.222706	2.092523	0.03787	0.371666
AKR7A2;KLHDC7A	0.235096	2.088131	0.03827	0.372983
	-0.40144	-2.09055	0.038049	0.37225
IL18BP;ANAPC15	0.238422	2.092618	0.037861	0.371646
AGPAT5	-0.26577	-2.08406	0.038643	0.374246
	0.181837	2.087483	0.038329	0.373158
	-0.19562	-2.09393	0.037743	0.37116
	0.126461	2.091125	0.037997	0.372095
BCL11B	0.320947	2.092846	0.037841	0.371532
MVP	0.188461	2.091729	0.037942	0.371827
	-0.45409	-2.08912	0.038179	0.372687
	0.269744	2.086472	0.038421	0.373501
DIRC3;RQCD1;CXCR2P1;ZNF142	-0.3024	-2.08696	0.038376	0.373302
	0.229731	2.093393	0.037791	0.371338
	0.188464	2.092005	0.037917	0.371763
	-0.21581	-2.08465	0.038589	0.374077
	-0.26289	-2.09075	0.03803	0.372222
	0.162426	2.082728	0.038766	0.374658
	-0.20092	-2.08967	0.038129	0.372545
ZNF512	-0.22543	-2.08235	0.038801	0.374793
CCDC126	-0.35477	-2.09448	0.037693	0.370948
	-0.17213	-2.09271	0.037853	0.37162
	0.263612	2.093898	0.037746	0.371162
	-0.19017	-2.09432	0.037707	0.370994
	0.179502	2.088698	0.038218	0.37287
	0.17861	2.084562	0.038597	0.374103
	-0.15691	-2.08891	0.038198	0.372819
	-0.28112	-2.09026	0.038075	0.372358
	0.206177	2.095709	0.037582	0.370497
	-0.24975	-2.0943	0.037709	0.370995
	0.205924	2.084035	0.038645	0.374246
SH2D2A;SYT11	-0.33889	-2.09181	0.037935	0.371817
	0.195926	2.088119	0.038271	0.372983

DHX29;ARL15;PPAP2A;ENSG00000251307	0.106225	2.09063	0.038042	0.37225
	0.261666	2.071107	0.039853	0.377894
	0.280388	2.089411	0.038153	0.372645
	0.215463	2.090056	0.038094	0.37245
	0.320988	2.089126	0.038179	0.372687
DSCAML1;TMPRSS4;SCN4B	-0.13856	-2.08384	0.038663	0.374315
	0.214051	2.094314	0.037708	0.370994
	-0.20217	-2.09172	0.037942	0.371827
	0.2294	2.09227	0.037893	0.371721
	-0.22151	-2.09075	0.038031	0.372222
SIRPG PARP12;TBXAS1 TJP3	-0.13556	-2.09225	0.037895	0.371721
	0.28857	2.091497	0.037963	0.3719
	0.198603	2.087003	0.038373	0.373302
	0.276238	2.088119	0.038271	0.372983
	0.255679	2.09302	0.037825	0.371476
NKAPL;ZNF165;PGBD1;GABBR1;HCG14;ZSCAN12 RANBP2	-0.33025	-2.07899	0.039113	0.375772
	0.228583	2.09027	0.038074	0.372358
	-0.34628	-2.08987	0.038111	0.372477
	-0.20841	-2.07108	0.039855	0.377894
	-0.21397	-2.08731	0.038345	0.373245
FBXO17;PSMC4;PRX	0.471718	2.092587	0.037864	0.371649
	0.307665	2.087706	0.038308	0.373058
	0.226943	2.088716	0.038216	0.37287
	0.24255	2.088422	0.038243	0.372952
	0.198667	2.08551	0.03851	0.373821
POLD3	-0.214	-2.09322	0.037807	0.371403
	-0.21125	-2.09194	0.037923	0.371763
	0.134654	2.090173	0.038083	0.372388
	0.160492	2.090519	0.038052	0.37225
	-0.24066	-2.09305	0.037823	0.371474
ENSG00000176349;TTYH3 LDB3	-0.26862	-2.08814	0.038269	0.372983
	-0.17223	-2.08506	0.038551	0.373967
	-0.17094	-2.09052	0.038052	0.37225
	0.204251	2.088421	0.038243	0.372952
	0.13987	2.09193	0.037924	0.371763
PTPRG	0.122148	2.090213	0.03808	0.372387
	0.226825	2.089624	0.038133	0.372545
	-0.31712	-2.09075	0.03803	0.372222
	-0.2477	-2.08646	0.038422	0.373501
	0.141384	2.087075	0.038366	0.373293
NCOA2	0.232868	2.085914	0.038473	0.373665
	-0.19563	-2.09392	0.037743	0.37116
	-0.2009	-2.09258	0.037865	0.371649
	0.17931	2.087459	0.038331	0.373161
	0.215875	2.089265	0.038166	0.372676
MRS2P2	0.277816	2.093193	0.037809	0.371406
	0.29999	2.093992	0.037737	0.371151

	0.293395	2.089125	0.038179	0.372687
	0.162112	2.076834	0.039314	0.376365
HAGHL;HBA2	-0.19122	-2.08918	0.038174	0.372687
	0.210159	2.083893	0.038658	0.374279
	0.260628	2.092133	0.037905	0.371736
HDHD2	0.322782	2.089604	0.038135	0.372545
LAT2	-0.29215	-2.0902	0.038081	0.372387
	0.183935	2.091057	0.038003	0.372122
	0.308657	2.079606	0.039055	0.375632
FLI1;ARHGAP32;SENCR;ETS1	0.304145	2.091235	0.037987	0.372057
ADPRM	-0.18284	-2.08766	0.038312	0.373076
	-0.26807	-2.08509	0.038548	0.373954
	-0.2092	-2.08952	0.038143	0.37259
	-0.20448	-2.08023	0.038997	0.375492
	-0.26671	-2.08732	0.038344	0.373245
	0.215851	2.085983	0.038466	0.373662
	0.166531	2.08993	0.038105	0.372475
TMED11P;MAEA;RNF212;TACC3;ZNF141	-0.30809	-2.08496	0.03856	0.373974
	0.204512	2.088333	0.038251	0.372965
	0.336564	2.088789	0.038209	0.372862
P2RX4;P2RX7;CLIP1;ENSG00000256304	0.198511	2.088593	0.038227	0.372884
	-0.1647	-2.09168	0.037947	0.371842
	-0.2047	-2.0841	0.038639	0.374246
	0.237587	2.090997	0.038008	0.372148
C1orf222;TNFRSF18;MORN1;TTLL10;TTLL10- AS1;TTC34;ENSG00000269896;C1orf86 ITGB7;AAAS	-0.18311	-2.08139	0.03889	0.375139
	0.263885	2.091263	0.037984	0.37204
	-0.27881	-2.09121	0.037989	0.372073
DUOXA1;DUOX1;SLC30A4	0.23994	2.088302	0.038254	0.372965
	0.22926	2.090111	0.038089	0.372426
	-0.17649	-2.09074	0.038031	0.372222
DLG2	0.315662	2.086253	0.038441	0.373576
DYNC2LI1	0.192511	2.092537	0.037869	0.371666
	-0.20051	-2.09048	0.038056	0.37225
ENSG00000259561;MFGE8	0.276548	2.084354	0.038616	0.374157
	0.220462	2.087077	0.038366	0.373293
	0.17026	2.089991	0.0381	0.372473
	-0.25847	-2.08353	0.038692	0.374382
	0.265706	2.0897	0.038126	0.372545
	-0.21848	-2.08845	0.03824	0.372952
	0.187502	2.077665	0.039236	0.376172
	0.267446	2.090353	0.038067	0.372304
TIMM10	-0.16415	-2.08688	0.038384	0.373313
	0.225031	2.08961	0.038135	0.372545
	0.191357	2.089318	0.038161	0.372645
CES1;MT1F;ENSG00000259725	0.218206	2.092664	0.037857	0.371639
	0.234819	2.086774	0.038394	0.373353



	0.112268	2.093102	0.037818	0.371446
	0.223299	2.087451	0.038332	0.373161
RBM20	0.295767	2.088759	0.038212	0.372864
	-0.16736	-2.0888	0.038209	0.372862
LGALS3;FBXO34;CNIH1	-0.29219	-2.08315	0.038727	0.374524
	-0.2501	-2.09184	0.037931	0.371813
SLC8A1	0.302672	2.088268	0.038257	0.372983
	-0.19604	-2.09171	0.037943	0.371827
	-0.21244	-2.08573	0.03849	0.373727
	0.250615	2.08989	0.038109	0.372475
	-0.12478	-2.08459	0.038594	0.374097
	-0.21638	-2.08926	0.038167	0.372676
MRPL36;NDUFS6	-0.26772	-2.08255	0.038782	0.37471
C14orf79;ADSSL1;INF2	-0.26082	-2.09366	0.037767	0.371236
TXNDC17	0.21967	2.081513	0.038878	0.375117
	0.114236	2.088792	0.038209	0.372862
BUD31	-0.2155	-2.08398	0.03865	0.374252
	0.2233	2.087691	0.03831	0.373058
ENSG00000261471	-0.19452	-2.09057	0.038048	0.37225
	0.263008	2.088072	0.038275	0.373007
	-0.36174	-2.08709	0.038365	0.373293
	-0.29397	-2.09107	0.038002	0.372122
	-0.2093	-2.09196	0.037921	0.371763
	0.336937	2.090927	0.038015	0.37215
	0.259821	2.090797	0.038027	0.372217
	0.181299	2.08797	0.038284	0.373012
	-0.1648	-2.08645	0.038424	0.373503
RUNDC1;STAT3	0.268604	2.089888	0.038109	0.372475
	-0.4205	-2.08711	0.038363	0.373293
TBX5;TBX3;TBX5-AS1	-0.28961	-2.08409	0.038641	0.374246
TBX2;TBX4;ENSG00000267137;ENSG00000267280;PPM1D	0.220663	2.087456	0.038331	0.373161
GART	-0.32704	-2.0886	0.038227	0.372884
	0.199858	2.082553	0.038782	0.37471
	0.708432	2.088533	0.038233	0.37292
	-0.38998	-2.09083	0.038024	0.372213
MGLL;GATA2	-0.16051	-2.09036	0.038066	0.372304
	0.263352	2.08782	0.038298	0.373012
TXNDC17	-0.13638	-2.08791	0.03829	0.373012
	-0.1209	-2.09046	0.038057	0.37225
POC1B	-0.28677	-2.09047	0.038056	0.37225
	0.231087	2.084772	0.038578	0.374046
	-0.31642	-2.08868	0.038219	0.37287
BAIAP2;CD7	-0.29597	-2.09106	0.038002	0.372122
	0.198265	2.086366	0.038431	0.37352
	0.169127	2.083635	0.038682	0.374382
TPCN2	-0.32854	-2.08554	0.038507	0.373799

MED31;BCL6B	-0.21047	-2.08534	0.038526	0.373858
	0.244436	2.085816	0.038482	0.373688
CASP16;ERVVK13-1	0.182832	2.083821	0.038665	0.374319
	-0.28922	-2.08888	0.038202	0.372841
	-0.21311	-2.08679	0.038392	0.373353
	-0.47018	-2.08558	0.038503	0.373782
DOK1;TACR1;DQX1;LOXL3;SEMA4F	0.195257	2.088445	0.038241	0.372952
	0.188203	2.087835	0.038297	0.373012
	0.174332	2.083952	0.038653	0.374252
	0.231944	2.090695	0.038036	0.37223
	0.215898	2.090494	0.038054	0.37225
	0.208111	2.088357	0.038249	0.372963
PTPN14;SMYD2	0.29266	2.090497	0.038054	0.37225
	-0.35453	-2.08869	0.038218	0.37287
ZNF285;ZNF229	-0.23614	-2.08674	0.038397	0.373361
	0.206473	2.089355	0.038158	0.372645
SPTLC1;LINC00475	-0.31242	-2.0787	0.039139	0.37581
RBM14	-0.23516	-2.08842	0.038243	0.372952
ARPC3;TMEM116	0.25102	2.08922	0.03817	0.372687
	0.224859	2.087968	0.038284	0.373012
	0.271833	2.085884	0.038475	0.373665
ARHGEF1	0.170779	2.09015	0.038085	0.3724
	-0.33485	-2.09224	0.037895	0.371721
C17orf72;MARCH10	0.151155	2.087865	0.038294	0.373012
	-0.33771	-2.08694	0.038379	0.373302
	-0.2437	-2.09237	0.037884	0.371685
ADAMTS17	-0.22358	-2.08192	0.038841	0.37494
	-0.16763	-2.08438	0.038614	0.374142
TNXB;SLC44A4;PPP1R18;TRIM31;DDAH2;MDC1;VWA7;PPP1R1 1;CLIC1;NELFE;DDR1;GNL1;NRM;EHMT2	-0.32817	-2.09055	0.038049	0.37225
	0.177899	2.090383	0.038064	0.372295
CLIC6	-0.24528	-2.08438	0.038614	0.374142
	0.226234	2.088806	0.038208	0.372862
AP1M2;ZNF562;PDE4A;COL5A3;ICAM1	-0.19599	-2.08758	0.038319	0.373118
	0.189564	2.083555	0.03869	0.374382
	0.209557	2.087225	0.038352	0.373292
ARHGEF28;ZNF366;ENSG00000261269	0.361473	2.090628	0.038042	0.37225
	0.203671	2.085249	0.038534	0.373886
	-0.16675	-2.08796	0.038285	0.373012
	-0.16579	-2.08932	0.038161	0.372645
CBFA2T3;PIEZO1;ENSG00000261226;ENSG00000259881;SPAT A33;ENSG00000260121;ENSG00000224888;ENSG0000018237 6;ENSG00000260259	-0.21553	-2.08884	0.038205	0.372858
	-0.31055	-2.08783	0.038297	0.373012
	0.268286	2.08698	0.038375	0.373302
FMN1;EMC4	-0.28385	-2.08813	0.03827	0.372983
	0.192072	2.086912	0.038381	0.373303

BAIAP2;ENSG00000175911;PCYT2 SLC25A39;GRN	0.201695	2.086938	0.038379	0.373302
	0.196773	2.079601	0.039056	0.375632
	-0.39024	-2.08218	0.038817	0.374864
	0.161128	2.089204	0.038172	0.372687
	-0.19034	-2.085	0.038557	0.373974
PARP3 PTPRN2;ENSG00000233038	0.224076	2.090031	0.038096	0.372455
	0.29866	2.086233	0.038443	0.373576
	0.257069	2.08801	0.038281	0.373012
PSMG3	0.309147	2.085176	0.03854	0.373924
	0.164303	2.089724	0.038124	0.372545
	0.160472	2.086932	0.038379	0.373302
	-0.14652	-2.07883	0.039128	0.375772
	0.260275	2.0862	0.038446	0.373582
RLTPR;FAM65A;CBFB;BEAN1 ENSG00000256576	-0.28169	-2.08967	0.038129	0.372545
	-0.21068	-2.08145	0.038884	0.375139
	0.444176	2.089759	0.038121	0.372544
	-0.27952	-2.0876	0.038318	0.373113
	0.253944	2.084142	0.038636	0.374246
	0.191408	2.081791	0.038853	0.374998
	0.276944	2.084483	0.038604	0.374126
ISCA2;ZC2HC1C	-0.2145	-2.09095	0.038013	0.372148
	-0.23864	-2.08918	0.038174	0.372687
	-0.18296	-2.08189	0.038844	0.374942
ATP13A3 BCL11B	-0.28261	-2.08293	0.038747	0.374584
	0.196167	2.087988	0.038283	0.373012
	-0.14233	-2.08248	0.038789	0.374745
FAM78A	-0.17033	-2.0866	0.038409	0.373442
	-0.27342	-2.08944	0.03815	0.37264
	0.226781	2.091182	0.037992	0.372078
	0.122335	2.087972	0.038284	0.373012
	-0.21681	-2.09008	0.038092	0.372437
ZDHC13;HPS5;TSG101;GTF2H1 ENSG00000258559	-0.22725	-2.08651	0.038418	0.37349
	-0.12217	-2.08297	0.038744	0.374579
	0.195643	2.088176	0.038265	0.372983
	0.135101	2.089661	0.03813	0.372545
	0.344354	2.088234	0.03826	0.372983
FARP1	0.165012	2.085671	0.038495	0.373754
	-0.26252	-2.089	0.03819	0.372766
	0.289942	2.084722	0.038582	0.374049
	-0.18927	-2.08643	0.038425	0.373505
	0.183373	2.082147	0.03882	0.374864
	0.25371	2.091109	0.037998	0.372101
	-0.23251	-2.08176	0.038855	0.375004
NTRK3	0.231875	2.088394	0.038245	0.372963
	-0.26331	-2.08289	0.038751	0.374593
	0.19599	2.075225	0.039465	0.376819
	0.233232	2.08693	0.038379	0.373302

TEKT3;TRPV2;ADORA2B;MEIS3P1;PMP22	-0.14466	-2.08506	0.038551	0.373967
	-0.25376	-2.08627	0.03844	0.373573
ITGA2	0.186619	2.079255	0.039088	0.375705
	-0.21962	-2.08937	0.038157	0.372645
TLR2;TMEM154;TIGD4;ENSG00000248571	-0.30838	-2.07766	0.039237	0.376172
	0.137736	2.084582	0.038595	0.374097
	-0.18433	-2.08305	0.038737	0.37456
	0.204738	2.091498	0.037963	0.3719
	-0.33492	-2.07969	0.039047	0.375632
	0.141513	2.084187	0.038631	0.374246
TBX2;MRC2;TBX4;ENSG00000267137;ENSG00000267280	-0.23017	-2.08823	0.03826	0.372983
	0.28594	2.08667	0.038403	0.373406
	-0.23705	-2.08908	0.038183	0.372716
	0.14087	2.085453	0.038515	0.373838
DIP2C;PRR26	-0.50587	-2.08481	0.038574	0.374042
	-0.27315	-2.09233	0.037888	0.371699
	-0.19773	-2.0835	0.038695	0.374382
	-0.20518	-2.0854	0.03852	0.373857
ASPA;ATP2A3;ARRB2;UBE2G1;CXCL16	0.258424	2.090511	0.038053	0.37225
	0.146286	2.084438	0.038608	0.374129
SAMD15;AHSA1;SPTLC2;NOXRED1	-0.21269	-2.08321	0.038721	0.374516
	0.25401	2.087502	0.038327	0.373158
SLC22A17	0.275306	2.086046	0.03846	0.373622
FENDRR;ENSG00000262601;USP10;KIAA0513;CRISPLD2	-0.28563	-2.09207	0.037911	0.37176
	-0.25447	-2.08722	0.038353	0.373292
ZNF135	0.21464	2.086085	0.038457	0.37362
	-0.22679	-2.08993	0.038105	0.372475
	0.216607	2.076287	0.039365	0.376566
	-0.20375	-2.08814	0.038269	0.372983
	0.196953	2.088727	0.038215	0.37287
	-0.27876	-2.08676	0.038395	0.373353
	-0.24666	-2.08629	0.038438	0.373573
	-0.19145	-2.08784	0.038296	0.373012
	-0.2159	-2.08558	0.038503	0.373782
	-0.34937	-2.08656	0.038413	0.373452
	0.228207	2.086859	0.038386	0.373314
RHOB	-0.25183	-2.08719	0.038356	0.373293
	0.172023	2.086056	0.03846	0.373622
SRF;XPO5	-0.31507	-2.08615	0.038451	0.373602
	-0.23712	-2.08269	0.038769	0.374666
	0.315798	2.08688	0.038384	0.373313
	-0.18938	-2.09199	0.037919	0.371763
PPP1R18	-0.13046	-2.08817	0.038266	0.372983
	-0.23533	-2.09041	0.038062	0.372284
	-0.20299	-2.08628	0.038439	0.373573
	-0.25934	-2.08301	0.03874	0.374578
PLXDC1;PCGF2;ERBB2;IGFBP4;MIEN1;MLLT6;PSMB3	0.244322	2.080894	0.038936	0.375307

ARHGEF2;TDRD10;ATP8B2;SHE	0.147446	2.083961	0.038652	0.374252
	-0.18035	-2.08512	0.038545	0.373945
	-0.30386	-2.08713	0.038361	0.373293
	-0.51257	-2.08043	0.038979	0.375452
LGALS3;CNIH1	0.295077	2.08887	0.038202	0.372841
	-0.24233	-2.08622	0.038445	0.373581
	-0.28438	-2.08698	0.038374	0.373302
	0.222063	2.089862	0.038112	0.372477
RLTPR	0.256839	2.083423	0.038702	0.374399
	0.17554	2.086381	0.03843	0.37352
	-0.23121	-2.08813	0.03827	0.372983
	0.207548	2.079909	0.039027	0.375584
AP1M2;ZNF440;SMARCA4;PDE4A;KANK2 CIITA;TXNDC11	0.304124	2.088524	0.038234	0.37292
	0.490342	2.09082	0.038024	0.372213
	-0.23078	-2.08595	0.038469	0.373665
	-0.24718	-2.08404	0.038645	0.374246
SLC45A4;TRAPPC9 STAT2 LCP2;DOCK2 PDE1C;AQP1;INMT;ADCYAP1R1	-0.33139	-2.0905	0.038053	0.37225
	-0.29389	-2.08709	0.038365	0.373293
	-0.28916	-2.08404	0.038645	0.374246
	0.256806	2.08791	0.03829	0.373012
NOSTRIN;DHRS9 ENSG00000233478	0.210892	2.088613	0.038225	0.372884
	0.247089	2.084379	0.038614	0.374142
	0.187994	2.083493	0.038695	0.374382
	-0.2516	-2.08971	0.038126	0.372545
	0.181695	2.087692	0.03831	0.373058
	-0.20458	-2.09091	0.038016	0.37215
	-0.2687	-2.08753	0.038324	0.373146
	0.207238	2.085609	0.038501	0.373781
	-0.22392	-2.08329	0.038714	0.374469
	0.14668	2.085932	0.038471	0.373665
	-0.18301	-2.08286	0.038754	0.374593
GJC1;GPATCH8;ACBD4;ENSG00000267505;MAP3K14;EFTUD2; KANSL1 SRGN;TET1;TSPAN15	-0.29187	-2.08461	0.038592	0.374097
	-0.29528	-2.08915	0.038176	0.372687
	-0.18108	-2.07882	0.039128	0.375772
	0.208263	2.084394	0.038612	0.374142
	0.172237	2.085641	0.038498	0.373772
	-0.25256	-2.08362	0.038683	0.374382
	0.218275	2.086176	0.038449	0.373588
	0.28402	2.088367	0.038248	0.372963
ZNF366;ENSG00000251613	0.176903	2.08691	0.038381	0.373303
	-0.27059	-2.08783	0.038297	0.373012
	-0.21317	-2.08398	0.038651	0.374252
	0.240038	2.085895	0.038474	0.373665
MYL9;ERGIC3;SOGA1 TCP11L2	0.201504	2.087818	0.038298	0.373012
	-0.16289	-2.08612	0.038453	0.373614
	-0.24894	-2.08476	0.038579	0.374046
KLHL26				

	0.130219	2.081163	0.038911	0.375159
	0.276987	2.088456	0.03824	0.372952
	0.216594	2.088094	0.038273	0.372996
	0.173669	2.089713	0.038125	0.372545
	0.089082	2.077556	0.039246	0.376205
	0.256617	2.087575	0.03832	0.373118
	0.194386	2.086586	0.038411	0.373447
	0.230162	2.086426	0.038426	0.373505
	0.218578	2.081224	0.038905	0.375147
	0.257635	2.083995	0.038649	0.374252
	-0.41708	-2.08316	0.038727	0.374524
	0.244129	2.088632	0.038224	0.372884
	-0.16023	-2.08714	0.03836	0.373293
	0.286031	2.088425	0.038243	0.372952
	0.249754	2.079754	0.039042	0.375632
	0.1722	2.084223	0.038628	0.374231
CADM1	-0.35316	-2.07417	0.039563	0.377086
	0.142831	2.084929	0.038563	0.373974
PITPNM2	-0.23401	-2.08487	0.038569	0.37401
ATG7	0.429001	2.087501	0.038327	0.373158
	0.172627	2.085019	0.038555	0.373974
	0.131216	2.082572	0.03878	0.37471
	-0.19469	-2.08707	0.038366	0.373293
SLC7A5	0.275033	2.087916	0.038289	0.373012
	-0.20635	-2.09062	0.038043	0.37225
	0.142878	2.081953	0.038838	0.374919
	0.133439	2.080993	0.038927	0.375251
LRRC27;TTC40	0.290662	2.076343	0.03936	0.376566
RNF223;ATAD3A;SSU72	-0.24854	-2.08611	0.038454	0.373614
MBL1P;ZMIZ1;PIIF;SFTPD	-0.19901	-2.07925	0.039089	0.375705
MLLT4;THBS2;SMOC2	-0.32293	-2.08119	0.038909	0.375147
	0.251511	2.085485	0.038512	0.373835
SMIM19;VDAC3;AP3M2;HOOK3;THAP1;RNF170;GOLGA7;SLC2 OA2	-0.34707	-2.07993	0.039025	0.375577
	0.248722	2.084604	0.038593	0.374097
	0.188145	2.076822	0.039315	0.376365
	0.223198	2.085888	0.038475	0.373665
	0.208382	2.074942	0.039491	0.376903
TUSC3	-0.3448	-2.07986	0.039032	0.375608
	-0.20997	-2.08761	0.038317	0.373111
	0.207318	2.082458	0.038791	0.374753
DHRS7B;LGALS9B	-0.33634	-2.08404	0.038645	0.374246
SLC9A3;ENSG00000188242;ENSG00000225138;PDCD6;TPPP;L PCAT1;CEP72;TRIP13;C5orf55	0.187496	2.085378	0.038522	0.373857
ORMDL2	-0.13598	-2.08535	0.038525	0.373857
	-0.21044	-2.07801	0.039204	0.376082
	0.134999	2.08404	0.038645	0.374246

GPR133;FZD10-AS1 CXCR6;CCR5;XCR1;CCRL2;CCR2	-0.25165	-2.08784	0.038296	0.373012
	0.297835	2.081387	0.03889	0.375139
	0.121419	2.084982	0.038558	0.373974
	-0.21931	-2.08084	0.038941	0.375327
	0.426163	2.087745	0.038305	0.373058
	0.215767	2.087493	0.038328	0.373158
	0.299996	2.087427	0.038334	0.373174
	-0.1615	-2.08636	0.038431	0.37352
	0.270257	2.084069	0.038642	0.374246
	-0.24425	-2.08883	0.038205	0.372858
TRAC	0.190363	2.084454	0.038607	0.374129
	0.327296	2.08198	0.038835	0.374912
	0.107443	2.087867	0.038294	0.373012
	0.197595	2.070995	0.039863	0.377913
	0.223136	2.085863	0.038477	0.373668
	0.211311	2.083371	0.038707	0.374423
SLC16A1- AS1;OLFML3;HIPK1;LRIG2;PHTF1;SLC16A1;ENSG00000235527; DENND2C;AMPD1 NRTN;TINCR;RFX2	-0.397	-2.08376	0.038671	0.374355
	0.535914	2.079147	0.039098	0.37574
	-0.1401	-2.08562	0.0385	0.373781
	-0.29696	-2.08443	0.038609	0.374129
	0.289461	2.086969	0.038376	0.373302
	0.180623	2.08737	0.038339	0.373216
	-0.12833	-2.08596	0.038468	0.373665
	-0.26929	-2.08371	0.038675	0.374367
	-0.38101	-2.08592	0.038472	0.373665
TBC1D10C;FAM86C2P ZNF34;EEF1D;FAM83H-AS1;VPS28;GPIHBP1 BSPRY;FKBP15;ATP6V1G1;RNF183;SLC31A1;HDHD3;ZNF618;ZF P37	0.27939	2.079284	0.039085	0.375705
	0.129247	2.083511	0.038694	0.374382
	0.144492	2.079756	0.039042	0.375632
	0.26625	2.084501	0.038602	0.374121
	-0.24302	-2.08604	0.038461	0.373622
	-0.13676	-2.08369	0.038678	0.374367
	0.217055	2.082115	0.038823	0.374867
	0.452918	2.085848	0.038479	0.373672
	-0.25904	-2.08001	0.039018	0.375558
	0.311167	2.085241	0.038534	0.373886
STT3A	-0.20424	-2.08308	0.038734	0.374556
	-0.14993	-2.08119	0.038908	0.375147
	-0.26874	-2.08932	0.038161	0.372645
	-0.27484	-2.08695	0.038377	0.373302
	0.260932	2.085108	0.038547	0.37395
IL10RA;FXVD6;CD3E FGF1;PCDHGC3	0.160124	2.085165	0.038541	0.373925
	0.252102	2.085353	0.038524	0.373857
	-0.26143	-2.08042	0.038979	0.375452
	-0.12449	-2.07556	0.039433	0.376735

CDC25B;HSPA12B;ADAM33;CPXM1;SPEF1;PANK2;SMOX;C20orf27	-0.20089	-2.08648	0.038421	0.373501
	0.308281	2.085754	0.038487	0.373713
	-0.14236	-2.08357	0.038688	0.374382
	0.195829	2.084599	0.038593	0.374097
STX2;FZD10-AS1;FZD10	-0.24756	-2.08711	0.038363	0.373293
	0.18825	2.083492	0.038696	0.374382
	0.221204	2.080024	0.039017	0.375558
ROBO4;CDON;SPA17;ESAM;ROBO3;FEZ1;TMEM218	0.2078	2.083502	0.038695	0.374382
	0.131652	2.085464	0.038514	0.373836
	0.168394	2.081779	0.038854	0.374998
ENSG00000235096	0.299776	2.085803	0.038483	0.373688
SCARNA10;ATN1;CD163;C3AR1;ZNF384	0.152399	2.085688	0.038493	0.373747
	-0.32847	-2.08467	0.038587	0.374074
	0.337439	2.082353	0.038801	0.374793
	0.234981	2.086171	0.038449	0.373588
	0.324599	2.087809	0.038299	0.373012
	-0.15389	-2.07605	0.039387	0.376622
	0.232499	2.078493	0.039159	0.37589
	-0.19131	-2.08095	0.038931	0.375277
TRAF4	-0.23338	-2.08524	0.038535	0.373886
MCAM;ENSG00000254561;USP2-AS1;CBL	-0.33628	-2.08239	0.038797	0.374779
	0.220663	2.084146	0.038635	0.374246
KIF26A;C14orf2;INF2;EIF5;ENSG00000259508;EXOC3L4;ENSG0000246451;KLC1;ENSG00000270108;ADSSL1	-0.36824	-2.08101	0.038925	0.375242
	-0.23086	-2.08591	0.038473	0.373665
	0.14599	2.087339	0.038342	0.373235
TIMP2;ENSG00000267506;CYTH1;C1QTNF1	0.286241	2.077722	0.039231	0.376149
PTPN7;RNPEP;ELF3;PPP1R12B	-0.22693	-2.08297	0.038743	0.374579
	-0.1548	-2.08153	0.038877	0.375117
	-0.13511	-2.08514	0.038544	0.373939
	0.180017	2.080562	0.038967	0.375408
HSPA12A;ENO4;ENSG00000225302	0.16742	2.084998	0.038557	0.373974
	0.236585	2.087055	0.038368	0.373293
	0.283852	2.085421	0.038518	0.373849
	-0.19564	-2.08139	0.03889	0.375139
	0.245847	2.084739	0.038581	0.374046
	-0.23328	-2.08035	0.038987	0.375492
	-0.17832	-2.08526	0.038533	0.373886
	-0.28207	-2.07852	0.039157	0.37589
	0.190601	2.086573	0.038412	0.373451
	0.150266	2.083156	0.038727	0.374524
	0.242732	2.081324	0.038896	0.375147
	-0.26512	-2.08328	0.038715	0.374469
C11orf63;ATP5F1P5;ENSG00000255248;HSPA8;SCN3B	-0.30356	-2.0776	0.039242	0.376199
	0.207	2.089695	0.038127	0.372545
PLEK;ARHGAP25	0.453537	2.084557	0.038597	0.374103



	-0.14337	-2.08396	0.038652	0.374252
	0.133158	2.085388	0.038521	0.373857
	-0.23986	-2.08786	0.038295	0.373012
TEAD2;MYH14;RCN3;CPT1C;VRK3;FCGRT;CARD8;RRAS	0.429983	2.087179	0.038357	0.373293
IRAK3	-0.29771	-2.07389	0.039591	0.377193
	-0.198	-2.08571	0.038492	0.373739
	-0.21818	-2.07964	0.039052	0.375632
TFAP2C;RAE1;CASS4	0.209076	2.081196	0.038908	0.375147
	-0.12339	-2.08164	0.038866	0.375076
	-0.27303	-2.07601	0.039391	0.376629
SNHG3;SNORA73B	0.150129	2.080721	0.038952	0.375352
	0.141183	2.079228	0.039091	0.375705
PDGFB;ADSL	-0.21646	-2.0862	0.038447	0.373582
	0.182214	2.086045	0.038461	0.373622
	-0.14429	-2.08152	0.038878	0.375117
	0.423427	2.088545	0.038232	0.372918
	0.25045	2.079321	0.039082	0.375705
	0.249138	2.082758	0.038763	0.374642
	-0.21797	-2.08831	0.038254	0.372965
	-0.22284	-2.08535	0.038524	0.373857
AK2	0.154987	2.083692	0.038677	0.374367
	-0.28786	-2.08098	0.038927	0.375251
SLC23A1	-0.20625	-2.07811	0.039195	0.376032
	0.22412	2.084882	0.038567	0.374008
RNF216;CYTH3;RSPH10B;ZDHHC4;EIF2AK1;FSCN1	-0.38704	-2.08304	0.038737	0.37456
	-0.20993	-2.08347	0.038698	0.374382
COL5A1;OLFM1	-0.24443	-2.08803	0.038279	0.373012
ENSG00000264198;IKZF3;PLXDC1;ERBB2;IGFBP4	-0.24114	-2.08416	0.038634	0.374246
	-0.20481	-2.08608	0.038458	0.37362
	-0.31455	-2.0848	0.038575	0.374042
	0.160878	2.083663	0.03868	0.374367
WFDC6;EPPIN;HSPD1P21;ENSG00000269549;SYS1;CD40	0.238205	2.084947	0.038561	0.373974
	-0.26447	-2.08263	0.038775	0.374682
HLA-F;SCAND3;OR2I1P	0.23217	2.084751	0.038579	0.374046
	0.228806	2.084734	0.038581	0.374046
C20orf195	-0.3195	-2.08646	0.038423	0.373501
	-0.29325	-2.08624	0.038443	0.373576
	-0.19435	-2.08102	0.038924	0.375242
	0.15342	2.069505	0.040005	0.378364
	0.318369	2.082863	0.038754	0.374593
	-0.40069	-2.07394	0.039585	0.377186
	0.178848	2.079237	0.03909	0.375705
ANLN	0.288859	2.083616	0.038684	0.374382
	-0.211	-2.08032	0.038989	0.375492
BAI1;GPIHBP1;LYNX1;PSCA;TSTA3	-0.15214	-2.08391	0.038657	0.374273
	-0.15858	-2.08346	0.038698	0.374382
SLC46A1;IFT20;LYRM9	-0.2607	-2.07716	0.039283	0.376245

LAMC2	0.292621	2.087021	0.038371	0.373302
FENDRR;FOXF1;FOXL1	-0.21969	-2.08058	0.038965	0.375402
	0.262568	2.07875	0.039135	0.375794
RNF213	-0.26251	-2.08353	0.038692	0.374382
	-0.22041	-2.07723	0.039277	0.376243
	0.26264	2.080528	0.03897	0.375416
EFEMP2;NAALADL1;LTBP3;RNASEH2C;SIPA1;PELI3;DPF2;CD248 ;MAP4K2;MUS81;PYGM;C11orf68;CDC42EP2;CST6	-0.25563	-2.08167	0.038864	0.375058
	-0.17561	-2.08486	0.038569	0.37401
	0.165326	2.083125	0.038729	0.374533
	-0.18249	-2.08298	0.038742	0.374579
	0.165944	2.086844	0.038387	0.37332
DGKH	0.341857	2.085763	0.038486	0.373713
NKD2	0.212478	2.079126	0.0391	0.375744
	0.192583	2.082395	0.038797	0.374779
	0.115487	2.080804	0.038944	0.375327
TIMP4;FBLN2;RAF1	-0.22157	-2.07717	0.039282	0.376245
	-0.19882	-2.08265	0.038773	0.374678
TSTA3;LY6D;GPIHBP1;PSCA;LYNX1	0.205849	2.08228	0.038807	0.37483
	0.271415	2.075806	0.03941	0.376658
RAB6B;HMGB3P14;KY	-0.29308	-2.07633	0.039361	0.376566
	-0.19403	-2.07593	0.039399	0.376644
	0.204057	2.084701	0.038584	0.374051
	0.224967	2.085602	0.038501	0.373781
PPP1R18;NRM;DDR1;PPP1R10;HLA-E;TRIM39;HLA-F-AS1;HLA-F	-0.22494	-2.079	0.039112	0.375772
	0.178539	2.084152	0.038635	0.374246
RPF1	-0.2545	-2.0753	0.039457	0.376806
	0.149201	2.080851	0.03894	0.375327
	0.181591	2.08142	0.038887	0.375139
GFRA1	0.240183	2.079857	0.039032	0.375608
TCTN1;IFT81;USP30;ATP2A2;C12orf76;TRPV4;UBE3B	-0.3793	-2.07966	0.039051	0.375632
ZNRD1;HLA-H;HCG18	-0.23801	-2.08375	0.038672	0.374358
	0.19264	2.079735	0.039043	0.375632
	0.185008	2.086379	0.03843	0.37352
	0.306515	2.082029	0.038831	0.374912
	-0.32698	-2.07889	0.039122	0.375772
CCDC148;PLA2R1	-0.22748	-2.08216	0.038818	0.374864
	0.2221	2.081275	0.0389	0.375147
NLRC5;GPR114;CETP;GNAO1;ENSG00000261270;MT1E	0.341352	2.086758	0.038395	0.373353
	-0.30803	-2.08213	0.038821	0.374864
	-0.11268	-2.08341	0.038703	0.374399
	0.362868	2.079967	0.039022	0.375568
ZIK1;ZNF772	0.31897	2.077358	0.039265	0.376214
	0.127769	2.076923	0.039306	0.376342
	-0.23651	-2.08253	0.038784	0.374711

	0.143033	2.073984	0.039581	0.377173
	-0.20592	-2.08586	0.038477	0.373668
	0.212538	2.08032	0.038989	0.375492
	0.198509	2.082756	0.038763	0.374642
HLA-F;HCP5;HLA-B;HLA-E;HLA-C;HLA-A;LST1	0.326556	2.080128	0.039007	0.375517
DOCK3;SEMA3G;POC1A;ALAS1;PPM1M;PCBP4;GNL3;ITIH3;VPR BP	-0.22278	-2.08663	0.038407	0.373428
PHLDB1;AMICA1;SCN2B;SCN4B	0.181873	2.079763	0.039041	0.375632
MUC5B	0.340533	2.07877	0.039133	0.375792
SSBP2	0.178949	2.082808	0.038759	0.374629
	-0.17266	-2.07695	0.039303	0.376333
CEP68;SPRED2;AFTPH;PELI1	-0.2726	-2.08081	0.038943	0.375327
TMEM80	-0.22629	-2.08522	0.038536	0.373889
GPR133	-0.22277	-2.08478	0.038577	0.374046
	0.281696	2.079247	0.039089	0.375705
	0.2441	2.080579	0.038965	0.375402
FGFR3;WHSC1;RNF212;TACC3	0.274541	2.082763	0.038763	0.374642
BOK;PPP1R7	-0.20817	-2.08429	0.038622	0.374195
PEX14	-0.22945	-2.08593	0.038471	0.373665
	0.316544	2.079432	0.039072	0.375671
NDUFS6;CLPTM1L	0.181818	2.076273	0.039366	0.376566
AHNAK2;IGHG1;IGHG2	-0.28941	-2.08257	0.03878	0.37471
CLDN7;TNK1;AURKB;ELP5;TXNDC17;BCL6B;TNFSF12;FAM64A	-0.24386	-2.08147	0.038883	0.375139
	-0.15221	-2.0853	0.038529	0.373878
	0.188413	2.082451	0.038792	0.374753
KIN	0.259523	2.084952	0.038561	0.373974
	-0.33724	-2.08379	0.038668	0.374341
	-0.15972	-2.07752	0.03925	0.376205
	-0.24683	-2.08556	0.038505	0.373791
TRAC;RBM23;SLC7A7	0.255692	2.083921	0.038656	0.374272
CACNA1A	-0.15025	-2.08265	0.038773	0.374678
	-0.17762	-2.0848	0.038575	0.374042
DLST	-0.19903	-2.0827	0.038769	0.374666
	0.213792	2.081069	0.03892	0.375224
	0.23566	2.079592	0.039057	0.375632
	-0.14764	-2.08454	0.038599	0.374113
LDLRAD1;HSPB11;DIO1;ENSG00000197015;TCEANC2;ENSG000 00237611;LRP8	-0.20379	-2.06964	0.039991	0.378307
TAX1BP1;HIBADH	0.254496	2.084077	0.038642	0.374246
	0.195232	2.082325	0.038803	0.374806
CTCF	0.159844	2.084114	0.038638	0.374246
	0.158949	2.080619	0.038961	0.375402
	-0.23527	-2.0796	0.039056	0.375632
	-0.1418	-2.07938	0.039076	0.375671
	-0.18418	-2.08017	0.039003	0.375514
LINC01132	-0.212	-2.08623	0.038443	0.373576

	0.222324	2.083407	0.038703	0.374399
	-0.25663	-2.07997	0.039021	0.375568
	-0.21459	-2.07755	0.039247	0.376205
CDC42EP1	0.211396	2.087706	0.038308	0.373058
UACA;THSD4	0.21368	2.078375	0.03917	0.37594
	0.286908	2.075442	0.039444	0.376758
	-0.21086	-2.082	0.038834	0.374912
EVL	0.283727	2.082897	0.03875	0.374592
	-0.23954	-2.08495	0.038561	0.373974
	0.187176	2.08238	0.038798	0.374783
RGL2	-0.21169	-2.0858	0.038483	0.373688
	0.239109	2.081328	0.038896	0.375147
IGFBP4;MED24;ERBB2;MIEN1	-0.17155	-2.08412	0.038638	0.374246
IFNG-AS1	-0.25612	-2.08401	0.038648	0.374252
DENND3;PTP4A3	-0.2896	-2.08401	0.038647	0.374252
	0.117822	2.079081	0.039104	0.375752
ARHGEF15;NLGN2;KCTD11;ATP1B2;CLDN7;CYB5D1;CTC1;WRA				
P53;MYH10;VAMP2;TNFSF12;SLC2A4;MPDU1;TMEM107;ELP5;				
DNAH2;ACAP1	-0.31459	-2.07618	0.039375	0.376588
	0.256628	2.082615	0.038777	0.374692
	0.174166	2.084701	0.038584	0.374051
	-0.18119	-2.06983	0.039973	0.378251
TSPAN4;ATHL1	-0.18994	-2.07973	0.039044	0.375632
	-0.25295	-2.08304	0.038737	0.37456
	0.417988	2.082161	0.038818	0.374864
P2RY6;ARHGEF17	-0.22626	-2.08672	0.038398	0.373369
LINC01014;ENSG00000237978;KCNMB2;NDUFB5;LINC00578	-0.37294	-2.07759	0.039243	0.376199
	-0.27592	-2.08347	0.038697	0.374382
	-0.20512	-2.0833	0.038713	0.374468
	-0.18626	-2.07897	0.039114	0.375772
	0.187056	2.07759	0.039243	0.376199
LRR37A4P;ENSG00000263503;CRHR1-IT1;DND1P1	0.138973	2.075424	0.039446	0.376764
	0.226291	2.081787	0.038853	0.374998
	0.228257	2.07523	0.039464	0.376819
	0.287862	2.087183	0.038356	0.373293
	-0.2338	-2.0861	0.038456	0.373617
	-0.2442	-2.07347	0.039629	0.377298
	0.155649	2.081879	0.038845	0.374942
	-0.41591	-2.08447	0.038606	0.374129
	-0.12268	-2.08168	0.038863	0.375058
	0.244252	2.079766	0.039041	0.375632
ABAT;TMEM186	-0.30415	-2.08255	0.038783	0.37471
	0.267513	2.07886	0.039125	0.375772
B2M;SQRDL;TRIM69;SERF2;PDIA3;SHF	-0.32809	-2.08366	0.03868	0.374367
	0.186086	2.077515	0.03925	0.376205
PPP2R2B;DPYSL3	0.231039	2.082199	0.038815	0.374864

	-0.31221	-2.07306	0.039668	0.377364
KLK10	-0.14483	-2.078	0.039205	0.376082
NUDT19	-0.1549	-2.0791	0.039102	0.37575
NFATC4;TRAC;SLC22A17	-0.17272	-2.07948	0.039067	0.375649
	-0.30253	-2.07334	0.039642	0.3773
	0.238311	2.07938	0.039076	0.375671
LRRC45;PCYT2;BAIAP2-AS1;MAFG- AS1;ENSG00000263069;AZI1;CCDC57	-0.22218	-2.08047	0.038975	0.375452
	0.131544	2.081318	0.038897	0.375147
	0.227058	2.080596	0.038963	0.375402
	0.21287	2.079674	0.039049	0.375632
	-0.31912	-2.07921	0.039092	0.37571
	0.299331	2.081241	0.038904	0.375147
	0.212095	2.078484	0.03916	0.37589
LTF	-0.24579	-2.07191	0.039777	0.377697
ENSG00000264198;IKZF3;STARD3	-0.28349	-2.08029	0.038992	0.375492
MEG3;ENSG00000232018;ENSG00000225746	0.224708	2.077381	0.039263	0.376213
SLC36A1;CCDC69;PPARGC1B;PDE6A;GPX3	0.311873	2.078863	0.039125	0.375772
P2RX4;CAMKK2	0.225198	2.080767	0.038948	0.375338
	0.267387	2.079621	0.039054	0.375632
	0.177995	2.08017	0.039003	0.375514
	0.19645	2.083505	0.038694	0.374382
	0.202518	2.085469	0.038513	0.373836
MYO6	-0.18741	-2.07134	0.039831	0.377862
	0.129143	2.080156	0.039004	0.375517
	-0.17423	-2.08323	0.03872	0.37451
	0.251328	2.079048	0.039107	0.375765
ABI3	-0.29289	-2.08069	0.038954	0.375367
	-0.33686	-2.07775	0.039228	0.376134
	0.153723	2.077494	0.039252	0.376205
	-0.3315	-2.07623	0.03937	0.376566
	0.19721	2.071714	0.039795	0.377738
	0.256896	2.081992	0.038834	0.374912
ARID4A;CCDC175;GPR135;DACT1	0.219835	2.08119	0.038908	0.375147
	-0.2046	-2.08208	0.038826	0.374887
	-0.12831	-2.07881	0.03913	0.375777
TTC22;TMEM59;TCEANC2	-0.26305	-2.0723	0.03974	0.377562
	0.21385	2.077933	0.039211	0.376082
	-0.35644	-2.08149	0.038881	0.375131
PPP1R18;DDR1;CLIC1;HLA-E;HCG4;MRPS18B;NRM;LTB;HLA-F- AS1	-0.25336	-2.07785	0.039219	0.376082
	0.196607	2.08196	0.038837	0.374919
ATF6B	0.253921	2.082999	0.038741	0.374578
	-0.22741	-2.08382	0.038665	0.374319
	-0.13577	-2.07441	0.039541	0.377016
RWDD4;SLC25A4;WWC2	0.342205	2.081113	0.038915	0.375195
	-0.32895	-2.08314	0.038728	0.374524

	0.161143	2.080547	0.038968	0.375414
ZNF324B	0.329662	2.083709	0.038675	0.374367
C11orf21	-0.16808	-2.08429	0.038622	0.374195
FAM198A;NKTR;ENSG00000230084;ZNF662	-0.26728	-2.08277	0.038762	0.374642
	0.243859	2.084142	0.038636	0.374246
FUOM	-0.34588	-2.07665	0.039332	0.376454
CD7;ENSG00000263053	0.196242	2.074698	0.039514	0.376954
	-0.18148	-2.07364	0.039613	0.377245
	-0.26624	-2.08214	0.03882	0.374864
	-0.27543	-2.06935	0.040019	0.378381
	0.126456	2.078936	0.039118	0.375772
RUNX3	0.21831	2.08199	0.038834	0.374912
	-0.13389	-2.08012	0.039008	0.375518
	0.18223	2.080763	0.038948	0.375338
	-0.18218	-2.08122	0.038906	0.375147
	-0.18072	-2.07949	0.039067	0.375649
	0.248476	2.080418	0.03898	0.375452
MMRN2;SNCG;GRID1;LDB3;AGAP11;MINPP1	0.252934	2.079398	0.039075	0.375671
	0.128884	2.080644	0.038959	0.375401
ADAM9;EIF4EBP1	0.163012	2.078514	0.039157	0.37589
MYO1F;CD320	-0.20915	-2.07744	0.039257	0.376213
	0.194114	2.079705	0.039046	0.375632
	0.238476	2.075606	0.039429	0.376712
	0.123043	2.07939	0.039076	0.375671
	-0.13025	-2.08368	0.038678	0.374367
	0.224742	2.080833	0.038941	0.375327
	0.174051	2.080274	0.038993	0.375492
	-0.19311	-2.08203	0.03883	0.374912
	-0.22491	-2.08496	0.03856	0.373974
	-0.26608	-2.08291	0.03875	0.374592
	0.239593	2.080019	0.039017	0.375558
	0.295434	2.083112	0.038731	0.374536
	0.141161	2.081385	0.03889	0.375139
C11orf21	-0.20196	-2.08451	0.038602	0.374121
	0.208648	2.080805	0.038944	0.375327
	0.153931	2.072862	0.039687	0.377399
KIAA0125;IGHA1;IGHV3-15;IGHA2;IGHV3-23;IGHJ3P;IGHV3-21;IGHV4-34;IGHM;IGHV3-7;IGHG2;IGHG1;IGHV1-2;IGHG3;AHNAK2;IGHV4-39	-0.33876	-2.07567	0.039423	0.37668
ACAP1;CTC1;ELP5	-0.22202	-2.07926	0.039087	0.375705
	-0.19928	-2.08213	0.038821	0.374864
SALL2;ANG;TTC5;CCNB1IP1;NDRG2;ZNF219;METTL17	-0.27029	-2.07347	0.03963	0.377298
	-0.24171	-2.08189	0.038844	0.374942
SHANK2;ANO1	-0.23468	-2.07799	0.039206	0.376082
CPHL1P	-0.14939	-2.07905	0.039107	0.375765
RCSD1;ATP1B1;CD247;TBX19	-0.39726	-2.08106	0.03892	0.375224
	0.172702	2.079493	0.039066	0.375649

C7orf49	0.279673	2.077083	0.039291	0.376267
	-0.2976	-2.08153	0.038877	0.375117
TRANK1;VILL;ACVR2B	0.266758	2.078293	0.039178	0.375943
	-0.1945	-2.08153	0.038877	0.375117
LATS2;MPHOSPH8;IFT88	0.313441	2.082941	0.038746	0.374584
	0.214521	2.077759	0.039228	0.376133
C11orf63	-0.20648	-2.08044	0.038978	0.375452
	0.215232	2.078866	0.039124	0.375772
GPD1;CACNB3;FKBP11	0.15774	2.075064	0.03948	0.376866
	-0.26518	-2.08131	0.038897	0.375147
ASB2;RIN3;PRIMA1	-0.18491	-2.07884	0.039127	0.375772
	0.210962	2.080507	0.038972	0.375424
TRMT1L	-0.26107	-2.07877	0.039133	0.375792
	0.204685	2.071512	0.039814	0.377812
SMAD9	-0.19573	-2.07888	0.039123	0.375772
	-0.34744	-2.07321	0.039654	0.3773
	-0.2508	-2.08003	0.039016	0.375558
	-0.25515	-2.0789	0.039121	0.375772
	0.180582	2.077136	0.039286	0.376259
	-0.20644	-2.07795	0.03921	0.376082
	-0.23649	-2.07927	0.039087	0.375705
	0.280334	2.078367	0.039171	0.37594
	-0.22918	-2.07564	0.039426	0.37669
	-0.15058	-2.08013	0.039006	0.375517
GMPPA;RUFY4	0.221381	2.076784	0.039319	0.376379
	-0.41838	-2.08127	0.038901	0.375147
UQCR10;SMTN;PES1;EWSR1	0.313382	2.08199	0.038834	0.374912
	0.272327	2.079165	0.039096	0.375737
APOL3	-0.35519	-2.08073	0.038951	0.375352
	0.311699	2.079988	0.03902	0.375567
	0.246334	2.080815	0.038943	0.375327
	0.246759	2.073696	0.039608	0.377245
RNA5SP155	0.226058	2.083517	0.038693	0.374382
	0.13675	2.084432	0.038609	0.374129
FGD5;GRIP2;ENSG00000228242;BTD;ENSG00000251576;ZFYV	-0.22342	-2.08215	0.038819	0.374864
E20;TMEM43	0.165027	2.072956	0.039678	0.377397
	-0.1895	-2.075	0.039485	0.376886
	0.218089	2.076593	0.039337	0.376465
	-0.15149	-2.08024	0.038997	0.375492
NAT1	-0.29178	-2.07657	0.039339	0.376465
	0.366857	2.077924	0.039212	0.376082
	0.197968	2.082934	0.038747	0.374584
	0.220003	2.079165	0.039096	0.375737
LINC00641;RNASE1;HNRNPC;ARHGEF40	-0.31303	-2.08026	0.038995	0.375492
	-0.32743	-2.07873	0.039137	0.375798
	-0.24541	-2.08199	0.038834	0.374912

	-0.18589	-2.07446	0.039537	0.377008
	-0.32074	-2.07508	0.039478	0.376866
	-0.2634	-2.08027	0.038994	0.375492
	0.17261	2.078868	0.039124	0.375772
	-0.16012	-2.07785	0.039219	0.376082
HYDIN;ZNF19;PMFBP1	0.180314	2.07116	0.039848	0.377894
	0.210529	2.082527	0.038785	0.374711
	0.212576	2.077067	0.039292	0.376267
	-0.1347	-2.08138	0.03889	0.375139
	0.270297	2.074516	0.039531	0.377008
	0.193278	2.071164	0.039847	0.377894
	-0.32594	-2.08226	0.038809	0.374835
ATP11A;ADPRHL1;DCUN1D2;TUBGCP3;ATP11A-AS1	-0.34759	-2.08124	0.038904	0.375147
	0.367063	2.082872	0.038753	0.374593
SPATA33;GAS8;ENSG00000260259;GALNS;ANKRD11;SPIRE2;FA NCA;ENSG00000260923;C16orf3	-0.25346	-2.07428	0.039554	0.377078
	0.241024	2.079361	0.039078	0.37568
ZNF366;ENSG00000261269	0.260487	2.07664	0.039332	0.376454
ZEB2;ENSG00000176824;ARHGAP15;TEX41	-0.34776	-2.08122	0.038905	0.375147
AHCYL2;SMO;LRRC4	-0.35483	-2.0799	0.039028	0.375584
MCOLN2;PRKACB;MCOLN3;LPAR3	0.379038	2.081375	0.038891	0.375139
GATA2;ENSG00000244300;KIAA1257	0.260027	2.0824	0.038796	0.374779
ENSG00000234869;CERK;CELSR1	-0.3318	-2.07396	0.039583	0.377184
	-0.26214	-2.0823	0.038806	0.374823
	0.291135	2.075935	0.039398	0.376644
	-0.19848	-2.07259	0.039713	0.377503
SENP7;IMPG2	-0.18503	-2.07858	0.039151	0.375861
PITPNC1;HELZ;ENSG00000267731;C17orf58	0.349615	2.083326	0.038711	0.374455
	0.283067	2.079714	0.039045	0.375632
PIEZO1;CBFA2T3;RNF166;ENSG00000224888;ENSG000002612 26;ENSG00000260121;SPIRE2;ENSG00000259881;SPATA33	0.177346	2.072325	0.039738	0.377562
	0.18588	2.074243	0.039557	0.377086
ATP8B2;NPR1;JTB;S100A9;S100A6;ILF2;GATAD2B;C1orf43	-0.25809	-2.0777	0.039233	0.376157
	-0.1837	-2.07753	0.039249	0.376205
	0.23741	2.079565	0.039059	0.375632
BCAS2;DENND2C	-0.29937	-2.07434	0.039548	0.377043
	0.241341	2.07805	0.0392	0.376067
NOS3;GIMAP8;GIMAP6;GIMAP1;CDK5;REPIN1	-0.25164	-2.07512	0.039475	0.376866
	-0.12853	-2.08001	0.039018	0.375558
	0.233536	2.080427	0.038979	0.375452
	-0.173	-2.07835	0.039173	0.37594
	-0.31321	-2.08315	0.038727	0.374524
	0.276903	2.083042	0.038737	0.37456
	0.229645	2.07575	0.039415	0.376663
PUS10	-0.1406	-2.07455	0.039528	0.377008



HSPA12B;ADAM33;FASTKD5;STK35;MRPS26;ZNF343;NOP56;ATRN;SIRPA	0.378246	2.076536	0.039342	0.376469
TRAF3IP3	0.258055	2.08018	0.039002	0.375514
	-0.14447	-2.07826	0.039181	0.375944
	-0.34405	-2.07683	0.039314	0.376365
LRRC37A17P	0.1474	2.078334	0.039174	0.37594
PRR15	-0.21299	-2.07579	0.039412	0.376659
	0.197451	2.078586	0.03915	0.375861
	-0.14889	-2.0758	0.039411	0.376658
	0.112244	2.077503	0.039251	0.376205
	0.223728	2.081242	0.038904	0.375147
	0.191623	2.078254	0.039181	0.375944
FAM86B2;BLK	-0.33218	-2.08181	0.038851	0.374997
	0.165287	2.078592	0.03915	0.375861
PARVA;TEAD1	-0.23557	-2.08191	0.038842	0.37494
	0.170161	2.076923	0.039306	0.376342
ERO1L	0.356122	2.081694	0.038862	0.375057
	0.362635	2.076845	0.039313	0.376365
	0.270132	2.077977	0.039207	0.376082
GNA12;PSMG3;ELFN1;LFNG	0.203987	2.070594	0.039901	0.378016
VTRNA1-3;MATR3	0.140484	2.077339	0.039267	0.376214
	-0.1988	-2.07592	0.0394	0.376646
	-0.18837	-2.0712	0.039844	0.377894
MRVI1	-0.1899	-2.08342	0.038702	0.374399
ACTR3C	-0.21788	-2.07957	0.039059	0.375632
ENSG00000269832	-0.27824	-2.07229	0.039741	0.377563
	0.183586	2.068967	0.040056	0.378458
	-0.20522	-2.07662	0.039334	0.376459
PRR15L;HOXB3;HOXB4;ITGB3	-0.22514	-2.07965	0.039051	0.375632
	0.247327	2.081397	0.038889	0.375139
MAL2;MRPL13;TAF2	0.256796	2.079386	0.039076	0.375671
	0.192474	2.082652	0.038773	0.374678
	-0.24797	-2.07735	0.039266	0.376214
	0.19718	2.08105	0.038921	0.375226
	-0.25865	-2.08076	0.038949	0.375338
C4orf22;RASGEF1B;ENSG00000232327	0.265137	2.075506	0.039438	0.376735
	0.2017	2.08024	0.038996	0.375492
	0.189881	2.082198	0.038815	0.374864
	-0.27047	-2.07874	0.039136	0.375794
AKR1C3;AKR1C2;AKR1C1;ENSG00000232807;FBXO18;IL15RA	-0.2455	-2.07837	0.039171	0.37594
RNF213	0.314739	2.077065	0.039292	0.376267
	-0.17702	-2.08035	0.038986	0.375492
	0.225358	2.070524	0.039908	0.37802
ZBTB47	-0.20861	-2.07286	0.039687	0.377399
PCYT1A;LINC00885	0.189629	2.077919	0.039213	0.376082
	0.261995	2.075934	0.039398	0.376644

	0.233135	2.078661	0.039143	0.375832
	0.100059	2.076748	0.039322	0.376397
	0.397579	2.080783	0.038946	0.375338
	-0.28159	-2.08061	0.038963	0.375402
	0.107201	2.078489	0.039159	0.37589
	-0.35208	-2.08161	0.038869	0.375088
	0.19741	2.080145	0.039005	0.375517
MRPL23;IGF2	-0.32146	-2.07403	0.039577	0.377157
	0.293184	2.082903	0.03875	0.374592
FAM167A;FAM86B2	-0.25437	-2.08064	0.03896	0.375401
	-0.23275	-2.08025	0.038996	0.375492
	-0.32097	-2.08134	0.038894	0.375147
	0.237929	2.077973	0.039208	0.376082
	-0.41188	-2.07899	0.039113	0.375772
	0.235951	2.082708	0.038768	0.374666
	-0.21617	-2.07742	0.039259	0.376213
	-0.15774	-2.07416	0.039565	0.377087
	-0.33334	-2.0772	0.03928	0.376243
	0.137665	2.079118	0.039101	0.375744
	-0.23042	-2.07081	0.039881	0.377961
	-0.15578	-2.08007	0.039012	0.37555
	0.161458	2.077093	0.03929	0.376267
PFDN5	0.142608	2.0794	0.039075	0.375671
	-0.2097	-2.07546	0.039442	0.376757
	-0.18237	-2.07951	0.039064	0.375649
	0.295836	2.079537	0.039062	0.375649
	0.265308	2.07623	0.03937	0.376566
DNAJA4;ADAMTS7;WDR61;CTSH;ACSBG1;PSMA4;MORF4L1	0.217778	2.08143	0.038886	0.375139
GPR133	-0.23588	-2.07447	0.039536	0.377008
	0.150349	2.078147	0.039191	0.376005
	0.217179	2.077129	0.039286	0.376259
	0.230766	2.077212	0.039279	0.376243
	-0.13994	-2.07546	0.039442	0.376757
	-0.11929	-2.08121	0.038906	0.375147
	-0.1405	-2.0764	0.039355	0.376552
	-0.20802	-2.07247	0.039724	0.377546
	0.252901	2.076734	0.039323	0.376402
	0.219572	2.078436	0.039164	0.375924
CDH24;RBM23;SLC22A17;DAD1	-0.25914	-2.07924	0.039089	0.375705
RFX8;ENSG00000272902;TBC1D8	-0.32236	-2.08025	0.038995	0.375492
HOXB4;HOXB3;CALCOCO2;NPEPPS	-0.12396	-2.07664	0.039332	0.376454
	0.220507	2.08162	0.038868	0.375088
	0.217236	2.07016	0.039942	0.378159
BPIFB2	-0.18418	-2.06724	0.04022	0.37895
TRAF3IP1;RAB17	-0.20226	-2.06824	0.040125	0.378733
	0.172673	2.069605	0.039995	0.378312

MED22;COL5A1	-0.31047	-2.0794	0.039075	0.375671
	-0.22313	-2.0708	0.039882	0.377961
	0.144933	2.073632	0.039614	0.377245
ADCK4	0.131576	2.078948	0.039117	0.375772
	0.162712	2.07958	0.039058	0.375632
	0.18711	2.078394	0.039168	0.37594
	-0.20868	-2.07626	0.039368	0.376566
	0.222654	2.079946	0.039024	0.375571
	0.20391	2.068257	0.040123	0.378733
	-0.13956	-2.06972	0.039984	0.378296
	0.189459	2.077399	0.039261	0.376213
	-0.13993	-2.07486	0.039499	0.376917
	0.117633	2.077193	0.03928	0.376243
IRX3;IRX5;CRNDE	-0.26707	-2.07914	0.039099	0.37574
	-0.24135	-2.07885	0.039126	0.375772
	-0.38829	-2.08037	0.038984	0.375486
LIMK2	0.182167	2.076127	0.03938	0.376608
	0.175664	2.075171	0.03947	0.376849
	0.162362	2.071752	0.039792	0.377736
	0.174385	2.07721	0.039279	0.376243
	0.131766	2.077859	0.039218	0.376082
RER1	0.231399	2.076437	0.039351	0.376533
	0.201915	2.069122	0.040041	0.378412
	-0.42276	-2.0782	0.039187	0.375969
	-0.18602	-2.07339	0.039637	0.3773
PROM1;C1QTNF7;CC2D2A ACP5;ZNF440;ILF3-AS1 ENSG00000227844	0.210745	2.074903	0.039495	0.376907
	-0.31408	-2.07627	0.039366	0.376566
	0.330311	2.074432	0.039539	0.377011
	0.270172	2.07407	0.039573	0.377149
CLSTN3;CD27;PTPN6;IFFO1 HAL ENSG00000266994	-0.21299	-2.07618	0.039375	0.376588
	-0.22877	-2.07567	0.039423	0.37668
	-0.29025	-2.07682	0.039315	0.376365
	-0.13175	-2.07492	0.039494	0.376907
FAM3D;DENND6A;ACOX2;IL17RD;ARF4	0.138317	2.077212	0.039279	0.376243
	0.21857	2.076101	0.039383	0.376614
	-0.27215	-2.07749	0.039253	0.376205
	-0.14615	-2.07126	0.039839	0.377882
	0.144159	2.074227	0.039558	0.377086
	0.219327	2.07822	0.039184	0.375957
	0.291502	2.07569	0.039421	0.37668
	0.206603	2.073272	0.039648	0.3773
	-0.14184	-2.07348	0.039629	0.377298
	0.219328	2.075778	0.039413	0.376659
	0.293563	2.065618	0.040375	0.379451
	-0.19553	-2.07522	0.039465	0.376819
TET3	38777 0.225573	2.072904	0.039683	0.377399
	-0.1879	-2.06635	0.040305	0.37916

KCNK1;COA6	-0.28217	-2.07198	0.03977	0.377669
SYT15;ANTXRPL1	0.264962	2.070447	0.039915	0.378024
FAM78B	-0.31334	-2.07589	0.039402	0.376649
POLR3K;SOX8;NME4	0.30049	2.071369	0.039828	0.377847
	-0.30586	-2.07212	0.039757	0.3776
	-0.23127	-2.07565	0.039425	0.37669
	-0.16436	-2.07484	0.039501	0.376922
	0.211855	2.077856	0.039219	0.376082
SMG6;ENSG00000262003;ENSG00000225084	0.314888	2.07926	0.039088	0.375705
	-0.139	-2.07868	0.039142	0.375827
	0.148883	2.071791	0.039788	0.377713
	-0.28653	-2.04886	0.042006	0.384288
	0.265184	2.068254	0.040123	0.378733
	0.190269	2.075761	0.039414	0.376663
	0.166512	2.077881	0.039216	0.376082
PPP1R7;FARP2	-0.28407	-2.07314	0.039661	0.377323
DENND4B;SHE;TDRD10;SNAPIN;S100A6	-0.19977	-2.07521	0.039466	0.37682
	-0.33434	-2.0816	0.03887	0.375088
	0.14005	2.078075	0.039198	0.376053
CDH13	-0.22262	-2.07961	0.039055	0.375632
	0.161005	2.075081	0.039478	0.376866
	-0.20871	-2.07123	0.039841	0.377882
	-0.28443	-2.07972	0.039045	0.375632
PEX6;LRRC73;DNPH1;RSPH9	-0.31257	-2.07887	0.039124	0.375772
ASH1L-AS1	-0.14146	-2.07234	0.039736	0.377562
NSFL1C;STK35	0.230214	2.077891	0.039215	0.376082
TBX3	0.265595	2.074703	0.039514	0.376954
	0.175845	2.075553	0.039434	0.376735
	-0.19537	-2.06957	0.039999	0.378334
	-0.37824	-2.07247	0.039724	0.377546
	0.180318	2.076311	0.039363	0.376566
	0.424813	2.078907	0.03912	0.375772
PADI1;ATP13A2;MFAP2	0.166092	2.070675	0.039894	0.378013
	0.189718	2.072753	0.039697	0.377418
	0.177606	2.078862	0.039125	0.375772
	0.181178	2.07231	0.039739	0.377562
	0.275417	2.066968	0.040246	0.379042
	0.249239	2.081293	0.038899	0.375147
	0.180851	2.077315	0.039269	0.376227
KRT18	0.17298	2.079786	0.039039	0.375632
	0.254824	2.069379	0.040016	0.378381
	0.260798	2.078025	0.039203	0.376081
TMCO4	-0.20993	-2.06498	0.040436	0.379643
PTGDS;UAP1L1;EGFL7;C9orf139;LCNL1;TUBB4B;AGPAT2;TUBB				
P5;C9orf163	-0.3047	-2.0784	0.039168	0.37594
IRF8;COTL1;ENSG00000261471	-0.28037	-2.07859	0.03915	0.375861
	-0.28786	-2.07388	0.039591	0.377193

IFT43;CIPC;SAMD15;VASH1;TTLL5;GPATCH2L	0.158876	2.073166	0.039658	0.377309
	-0.30974	-2.07348	0.039629	0.377298
	-0.20029	-2.06703	0.04024	0.379029
	0.215416	2.074488	0.039534	0.377008
TTC39A;ENSG00000261664	0.197069	2.071115	0.039852	0.377894
	0.148593	2.078637	0.039146	0.375846
	-0.166	-2.07552	0.039437	0.376735
	-0.31265	-2.07422	0.039559	0.377086
GPR133	0.247883	2.073885	0.039591	0.377193
	0.252022	2.07909	0.039103	0.375752
	-0.23295	-2.07729	0.039271	0.37624
	-0.18147	-2.07343	0.039633	0.377298
BAIAP2;STRA13	-0.1924	-2.07784	0.039219	0.376082
	0.220145	2.078856	0.039125	0.375772
	-0.29505	-2.07723	0.039277	0.376243
	-0.15833	-2.07738	0.039263	0.376213
NME4;CACNA1H;ABCA3;SOX8	-0.32881	-2.07602	0.03939	0.376629
	0.284148	2.071179	0.039846	0.377894
	-0.30136	-2.07232	0.039738	0.377562
	LATS2			
PPP1R18;SLC44A4;DDR1;CLIC1;PPP1R10;NRM;DHX16;PPP1R11 ;DDAH2;LY6G5C;VWA7;BAG6;MDC1	-0.39249	-2.07483	0.039502	0.376922
	-0.21571	-2.0758	0.039411	0.376658
	-0.23977	-2.07769	0.039234	0.376157
	0.169796	2.075067	0.039479	0.376866
KLK11;MYH14;CLEC11A;ENSG00000204666	-0.28516	-2.07825	0.039181	0.375944
	0.13192	2.074706	0.039513	0.376954
	0.339965	2.07971	0.039046	0.375632
	0.19545	2.080029	0.039016	0.375558
ADCY7;SNX20;CYLD	0.265573	2.078908	0.03912	0.375772
	0.289255	2.076852	0.039312	0.376365
	0.120535	2.075863	0.039405	0.376649
	0.246035	2.078524	0.039156	0.37589
CD40;SDC4;SLC2A10	0.182441	2.078855	0.039125	0.375772
	-0.27499	-2.07393	0.039586	0.377186
	-0.21911	-2.07218	0.039751	0.377597
	-0.19963	-2.07444	0.039538	0.377011
HAS2	-0.22814	-2.07333	0.039643	0.3773
	OSBPL2;SLC17A9;SLCO4A1;C20orf166-AS1			
	PFDN6			
	GRASP;ACVRL1;TENC1;POU6F1;KRT18;ACVR1B;KRT80;KRT8;KR T7;SMAGP			
P2RX7	-0.23094	-2.07262	0.03971	0.377489
	-0.18991	-2.07528	0.03946	0.37681
	-0.16004	-2.07739	0.039262	0.376213
	-0.26668	-2.07342	0.039634	0.377298
ENSG00000226026	-0.20023	-2.07527	0.039461	0.37681
	-0.23714	-2.0779	0.039214	0.376082
	0.194813	2.077809	0.039223	0.376105
	0.194514	2.067926	0.040155	0.378816
DNAAF3;ZSCAN5A;ENSG00000267710;ZNF628	-0.18941	-2.08024	0.038996	0.375492

COL6A3	0.140531	2.074844	0.0395	0.376922
	0.249455	2.068627	0.040088	0.378633
	0.252408	2.064256	0.040505	0.379833
	0.210559	2.077063	0.039293	0.376267
	-0.23542	-2.07656	0.03934	0.376465
	-0.15826	-2.07333	0.039643	0.3773
FLI1;ARHGAP32;ETS1;TP53AIP1	0.270285	2.074632	0.03952	0.376963
	0.292865	2.075357	0.039452	0.376776
	-0.10439	-2.07416	0.039565	0.377087
MORN1;C1orf222;TTC34;TTLL10;ENSG00000269896;TTLL10-AS1;TNFRSF18;ENSG00000272106;C1orf86	-0.18069	-2.06895	0.040057	0.378458
	-0.23902	-2.07721	0.039279	0.376243
	-0.1466	-2.07153	0.039813	0.377812
	-0.17967	-2.07222	0.039747	0.377592
	-0.2153	-2.07325	0.03965	0.3773
	0.126401	2.076036	0.039389	0.376629
AAMDC	-0.14419	-2.07977	0.03904	0.375632
	-0.17434	-2.07528	0.039459	0.37681
	-0.1122	-2.06897	0.040055	0.378458
TRAC;SLC7A7	0.208043	2.067776	0.040169	0.378872
	-0.30274	-2.07324	0.039651	0.3773
	-0.12127	-2.07473	0.039511	0.376954
	-0.38732	-2.07745	0.039256	0.376213
JTB;NPR1;S100A8;ATP8B2;S100A6;GATAD2B;ILF2;S100A9;CREB3L4;TPM3;C1orf43;S100A14;S100A13 ENSG00000270571 ENSG00000267053;DMKN	-0.26758	-2.07952	0.039063	0.375649
	-0.15348	-2.075	0.039486	0.376886
	-0.18261	-2.0779	0.039214	0.376082
	-0.2896	-2.07829	0.039178	0.375943
	0.182183	2.073612	0.039616	0.377254
	-0.1267	-2.07609	0.039383	0.376614
SPIRE2	0.184782	2.077025	0.039296	0.376285
	0.203786	2.076426	0.039352	0.376534
	-0.26149	-2.07741	0.03926	0.376213
	0.217982	2.071667	0.0398	0.377764
	0.286969	2.07659	0.039337	0.376465
	-0.13509	-2.07382	0.039597	0.377218
TTC22;ENSG00000197015;BSND;TMEM59	0.17847	2.074749	0.039509	0.376954
	0.160233	2.075826	0.039408	0.376658
	-0.25655	-2.0702	0.039939	0.378153
	0.225568	2.074467	0.039536	0.377008
	0.200498	2.06861	0.04009	0.37864
	0.158686	2.073286	0.039647	0.3773
COX14	0.208421	2.073015	0.039672	0.377364
	0.277299	2.074485	0.039534	0.377008
	0.230232	2.082235	0.038812	0.374853
	-0.17893	-2.07278	0.039694	0.377418
	0.224553	2.075854	0.039406	0.376649

	0.140935	2.074459	0.039537	0.377008
	-0.24404	-2.07205	0.039763	0.377634
MBD5	-0.24084	-2.07271	0.039702	0.377436
NFASC;PIK3C2B	0.168695	2.074186	0.039562	0.377086
	0.285856	2.076538	0.039342	0.376469
HMBOX1	-0.26948	-2.07651	0.039345	0.376483
	0.304067	2.074767	0.039508	0.376954
HMGXB3;NDST1;MYOZ3;SYNPO;SPARC;ANXA6	0.211563	2.078498	0.039159	0.37589
	0.201092	2.077937	0.039211	0.376082
CELF2-AS1	0.288977	2.072186	0.039751	0.377597
	-0.22661	-2.07381	0.039598	0.37722
	-0.23944	-2.0783	0.039177	0.375943
	0.207814	2.072743	0.039698	0.377418
	-0.21484	-2.07738	0.039263	0.376213
	0.262944	2.070978	0.039865	0.377913
	-0.22995	-2.07206	0.039763	0.377634
	0.129117	2.074257	0.039556	0.377086
BOLL	0.098543	2.072205	0.039749	0.377592
RAET1E;ZC3H12D;PPP1R14C;ENSG00000268592	0.292554	2.076072	0.039385	0.376615
	0.185131	2.078322	0.039175	0.375941
	-0.17318	-2.07551	0.039438	0.376735
	-0.18029	-2.0772	0.03928	0.376243
MSLNL;METRN	-0.34625	-2.07712	0.039287	0.376259
EFEMP2;LTBP3	-0.28357	-2.07501	0.039485	0.376886
	-0.20879	-2.06485	0.040448	0.379643
	0.201534	2.074992	0.039487	0.376886
	-0.2523	-2.07202	0.039766	0.377646
	0.197621	2.069398	0.040015	0.378381
KLHDC1	0.23965	2.074021	0.039578	0.377157
CENPU;FAM149A;SLC25A4	0.340532	2.076675	0.039329	0.376446
MZB1	-0.27453	-2.07834	0.039173	0.37594
	-0.20626	-2.07499	0.039487	0.376886
ITGB3BP;KANK4	0.207099	2.07144	0.039821	0.377812
C3orf83;TIMP4	-0.33878	-2.0717	0.039796	0.377741
	-0.15493	-2.07464	0.03952	0.376963
	0.211493	2.075387	0.039449	0.376764
	-0.23896	-2.06917	0.040037	0.378412
	0.251097	2.07834	0.039173	0.37594
ATP2C2;TLDC1;WFDC1	-0.35991	-2.07703	0.039296	0.376285
	0.273607	2.074704	0.039514	0.376954
	-0.21166	-2.07574	0.039417	0.376663
	-0.27715	-2.07594	0.039398	0.376644
SOX17	0.26386	2.075954	0.039396	0.376644
	-0.1881	-2.07226	0.039743	0.377573
	-0.17556	-2.07631	0.039363	0.376566
KCNK1;LINC01132;COA6	-0.20509	-2.07243	0.039728	0.377557
	0.205402	2.07179	0.039788	0.377713

	-0.22828	-2.07355	0.039622	0.377276
	0.23297	2.077006	0.039298	0.376293
	-0.3059	-2.07616	0.039377	0.376598
	-0.33023	-2.07824	0.039183	0.375949
	0.22104	2.073292	0.039646	0.3773
ENSG00000256576	-0.20695	-2.07656	0.039339	0.376465
C16orf74;FAM92B;CRISPLD2;USP10;ENSG00000262601	-0.21179	-2.07084	0.039878	0.37796
	0.19422	2.069338	0.04002	0.378381
PDGFRB;HMGXB3	-0.26809	-2.07612	0.039381	0.376608
RN7SKP74	-0.29011	-2.07538	0.03945	0.376764
	0.303544	2.068814	0.04007	0.378537
MNAT1	0.162695	2.069709	0.039985	0.378296
NUDT6	0.259046	2.076791	0.039318	0.376379
	-0.12044	-2.07678	0.039319	0.376379
TMEM204;HN1L;SOX8;NME4;RGS11	-0.19035	-2.07776	0.039227	0.376133
	-0.24721	-2.07288	0.039685	0.377399
TRPV2;TBC1D27;ADORA2B	0.228029	2.07761	0.039241	0.376199
	-0.12105	-2.07585	0.039406	0.376649
ENSG00000235033;DAAM2;MOCS1;OARD1	-0.24776	-2.07217	0.039752	0.377599
	0.223516	2.07656	0.03934	0.376465
	0.2593	2.073555	0.039622	0.377276
STAT5A	-0.15071	-2.07312	0.039663	0.377334
STAB1;SEMA3G;PPM1M;DOCK3;NEK4;PCBP4;DNAH1;SFMBT1;				
POC1A;NT5DC2;GLT8D1;ITIH3;PBRM1	-0.20092	-2.07103	0.03986	0.377897
	0.104119	2.074733	0.039511	0.376954
FAM83H-AS1;ENSG00000255224;FAM83H	-0.37374	-2.07632	0.039362	0.376566
CBFA2T3	-0.2831	-2.07828	0.039179	0.375944
ENSG00000235159	-0.16565	-2.07235	0.039735	0.377562
	0.18648	2.073747	0.039604	0.377245
	-0.22349	-2.07607	0.039385	0.376615
	-0.13381	-2.07162	0.039804	0.37778
	0.40068	2.073782	0.0396	0.377228
CCDC8;PPP5C	-0.2934	-2.07205	0.039764	0.377634
	-0.26815	-2.07573	0.039418	0.376664
CLTCL1;RANBP1;UFD1L	0.30761	2.074609	0.039522	0.376966
DGKH	0.146211	2.075152	0.039472	0.376858
	0.166787	2.073674	0.03961	0.377245
CD52;ZNF683;ZDHHC18	0.137014	2.073334	0.039642	0.3773
	0.092064	2.073892	0.03959	0.377193
ZNF57;S1PR4;MATK	-0.30123	-2.07684	0.039313	0.376365
SLIT3;KCNMB1;LCP2;DOCK2	0.271801	2.079591	0.039057	0.375632
CD247;GPR161;MPC2	-0.2323	-2.07252	0.039719	0.377534
	-0.24075	-2.07722	0.039278	0.376243
CSGALNACT1	-0.22031	-2.07197	0.039771	0.377669
	0.225492	2.077366	0.039264	0.376214
	0.217688	2.067832	0.040164	0.378846
CORO2B	0.183665	2.073656	0.039612	0.377245



PPP1R18;DHX16;DDR1	-0.41718	-2.0762	0.039373	0.376585
	0.383051	2.077385	0.039262	0.376213
	0.177103	2.069198	0.040034	0.378412
	0.236944	2.07301	0.039673	0.377364
DOC2B;C17orf97;TLCD2 PPP4R4	-0.2426	-2.07132	0.039833	0.377862
	-0.28114	-2.07589	0.039402	0.376649
	-0.28071	-2.06557	0.04038	0.379461
	0.195516	2.070625	0.039898	0.378016
FENDRR;FBXO31;FOXF1;COX4I1	-0.15941	-2.06936	0.040019	0.378381
	-0.16419	-2.07087	0.039875	0.377955
	0.178566	2.073683	0.03961	0.377245
	-0.13991	-2.07	0.039957	0.378233
DCDC2B;FNDC5;SYNC;IQCC;ZBTB8A;MTMR9LP;CSMD2;ZNF362 ;TMEM234;LCK	0.243357	2.071652	0.039801	0.377769
	-0.19742	-2.07626	0.039368	0.376566
	-0.27892	-2.07233	0.039737	0.377562
	-0.18563	-2.07214	0.039755	0.3776
	-0.21983	-2.07336	0.03964	0.3773
	-0.16975	-2.07539	0.039449	0.376764
	-0.13635	-2.0699	0.039967	0.378237
	-0.18051	-2.07636	0.039359	0.376566
	-0.17347	-2.07059	0.039902	0.378016
	-0.14111	-2.07531	0.039457	0.376806
	0.305372	2.072919	0.039682	0.377399
	-0.20955	-2.07876	0.039134	0.375792
	0.176658	2.075684	0.039422	0.37668
	0.183502	2.070475	0.039913	0.37802
	0.357226	2.074884	0.039497	0.376913
	-0.52571	-2.07575	0.039416	0.376663
	-0.13962	-2.07318	0.039657	0.377303
	0.173651	2.075067	0.03948	0.376866
	-0.26401	-2.07476	0.039508	0.376954
	0.161917	2.068814	0.04007	0.378537
IKZF1;COBL	0.211437	2.074279	0.039554	0.377078
	0.219624	2.076117	0.039381	0.376608
	0.201472	2.073005	0.039673	0.377364
	0.283603	2.077533	0.039249	0.376205
PXDN	0.170802	2.071477	0.039818	0.377812
	-0.18613	-2.0665	0.04029	0.379136
	-0.15558	-2.07418	0.039562	0.377086
	0.362808	2.073656	0.039612	0.377245
PARP15;EAF2	-0.12972	-2.07304	0.03967	0.377364
	-0.13072	-2.07379	0.0396	0.377228
	-0.28421	-2.07487	0.039498	0.376915
	-0.12237	-2.07181	0.039787	0.377713
PDCD6	0.232493	2.076009	0.039391	0.376629

GJC1;GPATCH8;ENSG00000267505;EFTUD2;FZD2;ACBD4;ENSG00000267405;MAP3K14;HEXIM1;KANSL1;MAPT;HIGD1B;ADA				
M11	-0.24286	-2.07139	0.039826	0.377842
PNMAL2	0.254841	2.069394	0.040015	0.378381
	-0.14388	-2.07184	0.039783	0.377713
	0.199431	2.071869	0.039781	0.377708
	-0.17788	-2.07439	0.039543	0.377022
SNHG7	-0.16413	-2.07587	0.039404	0.376649
	0.239256	2.065914	0.040347	0.3793
	0.182733	2.068089	0.040139	0.378764
	-0.32789	-2.07237	0.039734	0.377562
CCDC40;PCYT2;MAFG-AS1;BAIAP2-AS1	-0.20156	-2.07419	0.039562	0.377086
	-0.1601	-2.06763	0.040183	0.378874
	-0.13214	-2.07758	0.039244	0.376199
	-0.23332	-2.0724	0.03973	0.377562
	-0.22585	-2.076	0.039392	0.37663
	0.220407	2.075529	0.039436	0.376735
	0.164611	2.069384	0.040016	0.378381
	0.320256	2.072763	0.039696	0.377418
DLG5-AS1	0.229652	2.074004	0.039579	0.377163
	0.215094	2.066453	0.040295	0.379152
	0.161927	2.068224	0.040126	0.378733
	0.238431	2.075066	0.03948	0.376866
LRRC27;INPP5A;PWWP2B	-0.19615	-2.07307	0.039667	0.377364
	-0.13751	-2.07243	0.039727	0.377557
	-0.28913	-2.07448	0.039535	0.377008
	0.218222	2.071059	0.039857	0.377894
ISLR2;COX5A;SCAMP2;C15orf59;ISLR;LOXL1;NPTN;CSK	-0.25435	-2.07212	0.039757	0.3776
TMEM116;ENSG00000199899;CCDC42B;PTPN11	0.224436	2.0749	0.039495	0.376907
SNORA74A	-0.15112	-2.07074	0.039888	0.377979
	0.206452	2.070421	0.039918	0.378027
	0.275092	2.069933	0.039964	0.378233
	0.252399	2.075075	0.039479	0.376866
	-0.22838	-2.07465	0.039519	0.376963
	0.197487	2.071527	0.039813	0.377812
	-0.3224	-2.07407	0.039573	0.377149
	-0.1623	-2.07384	0.039595	0.377209
PRIMA1	-0.31904	-2.0754	0.039448	0.376764
OGN;ECM2;ROR2;OMD;ASPN	0.220017	2.071446	0.039821	0.377812
ZNF649	0.193058	2.073422	0.039634	0.377298
	0.454282	2.074934	0.039492	0.376903
	-0.20783	-2.07274	0.039699	0.377418
ANKLE2	-0.18782	-2.07322	0.039653	0.3773
SLC37A1	0.2188	2.074631	0.03952	0.376963
	0.183315	2.074744	0.03951	0.376954
SLC2A8	-0.18101	-2.07443	0.03954	0.377011
LGALS3;SAMD4A	0.260621	2.076262	0.039367	0.376566

GJC2;TRIM11;WNT3A	0.225055	2.065836	0.040354	0.379336
ANTXRPL1	0.222723	2.075524	0.039437	0.376735
	0.18686	2.072143	0.039755	0.3776
	0.243162	2.067729	0.040173	0.378874
	-0.14179	-2.07372	0.039606	0.377245
SLBP	0.177545	2.064017	0.040528	0.379905
GRIA1;CNOT8;FAXDC2	-0.22298	-2.07303	0.039671	0.377364
	0.220389	2.074387	0.039543	0.377022
EBF3	0.210944	2.074182	0.039563	0.377086
ARHGAP32	0.332972	2.069966	0.039961	0.378233
	-0.32365	-2.07029	0.03993	0.378092
	-0.32247	-2.07545	0.039443	0.376757
C14orf119;NGDN	-0.19129	-2.07228	0.039741	0.377563
	0.23249	2.073183	0.039657	0.377303
	0.124577	2.071064	0.039857	0.377894
ENSG00000234459;C7orf63	-0.36011	-2.07056	0.039905	0.378016
	0.263259	2.073683	0.03961	0.377245
	-0.13221	-2.07223	0.039747	0.377592
	-0.2107	-2.07594	0.039398	0.376644
NEUROD2;MIEN1;ENSG00000264198	0.182192	2.071061	0.039857	0.377894
	0.169208	2.06947	0.040008	0.378378
	0.207441	2.071718	0.039795	0.377738
ENSG00000230922;NUP50;ENSG00000226328	-0.23857	-2.0718	0.039787	0.377713
	0.193836	2.061832	0.040739	0.380572
GALNT16;ACTN1;EXD2	-0.2662	-2.07251	0.03972	0.377538
	0.262758	2.076895	0.039308	0.376359
	-0.20655	-2.07526	0.039461	0.37681
	-0.14202	-2.0765	0.039345	0.376483
	0.236834	2.072765	0.039696	0.377418
	-0.13045	-2.07094	0.039868	0.377921
PTP4A3;DENND3	-0.27641	-2.0706	0.039901	0.378016
	0.185075	2.073202	0.039655	0.377303
	0.084559	2.064518	0.04048	0.379753
	-0.2024	-2.07337	0.039639	0.3773
	0.212127	2.073413	0.039635	0.377298
ACACA;DHRS11;DUSP14;SYNRG;HNF1B	0.198752	2.066798	0.040262	0.379081
BNIP1	0.146577	2.075847	0.039406	0.376649
	0.134943	2.067203	0.040224	0.378968
PFKFB2;CD34;FAIM3;C1orf116;C4BPA	0.277477	2.067629	0.040183	0.378874
	-0.18954	-2.0688	0.040072	0.378537
COL6A5;KIAA1257	-0.33241	-2.07329	0.039647	0.3773
ENSG00000263264	0.31861	2.076231	0.03937	0.376566
	0.148305	2.074532	0.03953	0.377008
	0.289155	2.073867	0.039592	0.377194
B3GNT5	-0.14462	-2.07022	0.039936	0.378137
POLR1B;SLC35F5	-0.26165	-2.07452	0.039531	0.377008
	0.269027	2.071872	0.03978	0.377708

TMEM87A;ENSG00000174171	0.353485	2.075406	0.039448	0.376764
	0.301093	2.066806	0.040261	0.379081
	0.212837	2.072886	0.039685	0.377399
	0.16284	2.073901	0.039589	0.377193
	0.177113	2.073418	0.039635	0.377298
TSPAN32	0.46065	2.076284	0.039365	0.376566
	0.334618	2.067618	0.040184	0.378874
	-0.19864	-2.07353	0.039624	0.377285
HLA-F;PPP1R10;OR2I1P	-0.27294	-2.07345	0.039632	0.377298
	0.092739	2.068479	0.040102	0.378699
	0.242583	2.06914	0.040039	0.378412
TPM1;TLN2;FBXL22	-0.2332	-2.06761	0.040184	0.378874
	-0.27957	-2.06736	0.040209	0.378911
	0.130759	2.063224	0.040605	0.380117
H19	0.151588	2.069507	0.040004	0.378364
	0.243115	2.075059	0.03948	0.376866
	-0.17971	-2.06814	0.040134	0.378763
PGD	-0.38679	-2.06561	0.040375	0.379451
MPP6;OSBPL3;DFNA5;C7orf31	0.23311	2.066696	0.040272	0.3791
IL18RAP	-0.26686	-2.07324	0.039651	0.3773
	-0.30539	-2.07355	0.039622	0.377276
ENSG00000260908;C16orf93;ENSG00000260219;SETD1A;PHK G2;DOC2A;CTF1;ZNF688;TMEM219;PRR14;STX4;SRCAP;SEPHS2 ;PPP4C	-0.29001	-2.07055	0.039906	0.378016
	0.303194	2.073271	0.039648	0.3773
	-0.32921	-2.07393	0.039586	0.377186
ZG16B;MSRB1;PDPK1	-0.17051	-2.0774	0.039261	0.376213
	0.251308	2.069705	0.039986	0.378296
	0.261996	2.0688	0.040071	0.378537
COPG1;SEC61A1;GATA2;ENSG00000244300	-0.22157	-2.06791	0.040156	0.378816
	0.162949	2.073216	0.039654	0.3773
	0.208588	2.072338	0.039736	0.377562
GTPBP2;RSPH9;LRRC73;DNPH1;ABCC10;BYSL	0.158555	2.06753	0.040192	0.378887
	-0.12638	-2.06489	0.040445	0.379643
	0.165437	2.073716	0.039606	0.377245
CCDC3;FAM107B	-0.11885	-2.07237	0.039733	0.377562
	0.16786	2.068892	0.040063	0.378487
	0.217489	2.073002	0.039674	0.377364
	-0.36296	-2.0696	0.039995	0.378312
	0.24325	2.071977	0.03977	0.377669
	0.268294	2.065648	0.040372	0.379451
	0.33217	2.073236	0.039652	0.3773
	-0.22579	-2.07124	0.03984	0.377882
	0.203049	2.069299	0.040024	0.378381
	-0.16947	-2.07013	0.039945	0.378164
	-0.25991	-2.06779	0.040168	0.378872
	0.251174	2.066667	0.040275	0.3791

FGGY	-0.27786	-2.07371	0.039607	0.377245
	0.320736	2.070959	0.039867	0.377921
	0.1657	2.071241	0.03984	0.377882
	-0.13882	-2.06541	0.040395	0.379523
	-0.24886	-2.07117	0.039846	0.377894
NOTCH4;UQCC2	0.250462	2.074211	0.03956	0.377086
	-0.21117	-2.0733	0.039645	0.3773
	-0.20821	-2.06679	0.040263	0.379081
	0.253858	2.073478	0.039629	0.377298
	-0.14789	-2.07034	0.039925	0.378076
PLXND1	0.208352	2.06574	0.040363	0.379389
	-0.25416	-2.07437	0.039545	0.377026
	0.204548	2.074687	0.039515	0.376955
	0.286051	2.07403	0.039577	0.377157
	-0.14983	-2.07404	0.039576	0.377157
CSRP3	0.240491	2.071473	0.039818	0.377812
AMOTL1	0.258187	2.06746	0.040199	0.378887
	-0.13148	-2.07555	0.039434	0.376735
HS3ST6	0.249466	2.074349	0.039547	0.377039
ENSG00000260742	0.17615	2.071474	0.039818	0.377812
	0.209234	2.069972	0.03996	0.378233
	0.269302	2.066398	0.0403	0.379158
	-0.18003	-2.06997	0.03996	0.378233
	0.236661	2.06629	0.040311	0.379171
	0.120231	2.069374	0.040017	0.378381
	0.25693	2.072654	0.039706	0.377474
	0.215205	2.070754	0.039886	0.377979
	0.202411	2.071851	0.039782	0.377713
	0.187249	2.074621	0.039521	0.376963
BNIPL;CTSK	-0.38703	-2.07495	0.03949	0.376902
	-0.17528	-2.06768	0.040178	0.378874
	-0.14323	-2.06475	0.040458	0.379643
	0.268043	2.066653	0.040276	0.3791
	0.232354	2.072844	0.039689	0.377405
HLF;ANKFN1	0.293816	2.065324	0.040403	0.379523
TRPM2	-0.16212	-2.06785	0.040162	0.378846
	0.127729	2.071506	0.039815	0.377812
	-0.23538	-2.07154	0.039812	0.377812
	0.119473	2.067281	0.040216	0.37894
	-0.22053	-2.07107	0.039857	0.377894
YIPF3	0.310139	2.065883	0.04035	0.379313
	0.283117	2.069319	0.040022	0.378381
	0.247056	2.067569	0.040189	0.378884
	-0.25941	-2.06395	0.040535	0.379944
	0.205025	2.06537	0.040399	0.379523
SERPING1	0.293156	2.070751	0.039886	0.377979
	0.240294	2.072111	0.039758	0.3776
NDUFB5;KCNMB2;ACTL6A				

HIST1H2AH;HIST1H4L;HIST1H2AJ	0.280228	2.071932	0.039775	0.377694
WNT9A	0.245197	2.071474	0.039818	0.377812
TMCC2;SLC26A9	0.292794	2.070443	0.039916	0.378024
	0.136931	2.072462	0.039725	0.377546
	0.243962	2.069669	0.039989	0.3783
	0.13686	2.067987	0.040149	0.378801
	0.242732	2.068009	0.040147	0.378801
MEG3	0.250186	2.070434	0.039916	0.378024
	-0.18029	-2.06288	0.040638	0.380197
	-0.14849	-2.06965	0.039991	0.378307
	-0.22716	-2.06724	0.04022	0.37895
C19orf53	-0.21132	-2.07242	0.039729	0.377558
	0.23487	2.066101	0.040329	0.379223
ARHGAP29	-0.23622	-2.07467	0.039516	0.376958
	0.298797	2.073635	0.039614	0.377245
LINC01134;TP73;TTC34;CEP104;ENSG00000235131	-0.20639	-2.07254	0.039718	0.377531
	-0.18019	-2.06912	0.040041	0.378412
FAM219B	0.20565	2.066493	0.040291	0.379138
	-0.17875	-2.06239	0.040685	0.380369
CYGB;MXRA7;HID1;CASKIN2	-0.19667	-2.06838	0.040112	0.378733
PCMT1;SUMO4	0.140084	2.070565	0.039904	0.378016
	-0.21934	-2.07107	0.039856	0.377894
SPOCK2;DNAJB12	0.252782	2.070596	0.039901	0.378016
PSMG3	0.167901	2.06485	0.040449	0.379643
CD300A	-0.2917	-2.07496	0.039489	0.3769
	-0.33536	-2.06827	0.040122	0.378733
	0.128495	2.067626	0.040183	0.378874
MUC5AC	0.16022	2.069044	0.040048	0.378443
LINC00152	0.297869	2.070571	0.039903	0.378016
DDR1;TNXB	-0.23052	-2.07056	0.039904	0.378016
	0.162578	2.067556	0.04019	0.378884
	0.221361	2.072491	0.039722	0.377545
	0.097742	2.071081	0.039855	0.377894
	-0.21507	-2.07288	0.039685	0.377399
LDHA	-0.20651	-2.07072	0.039889	0.377981
	0.187834	2.06841	0.040109	0.378733
PWWP2B;LRRC27	0.243985	2.069115	0.040042	0.378412
	-0.14408	-2.07001	0.039957	0.378233
	0.227024	2.072754	0.039697	0.377418
	0.213108	2.068294	0.04012	0.378733
SRCIN1	0.370332	2.057121	0.041195	0.38198
	-0.32265	-2.07153	0.039813	0.377812
	0.145874	2.069274	0.040026	0.378395
	-0.28026	-2.0709	0.039872	0.377947
IGF2;NAP1L4;CARS;TSSC2	0.247111	2.07261	0.039711	0.377489
KEL	0.227376	2.071612	0.039805	0.37778
	-0.1456	-2.06301	0.040625	0.380169

	-0.13484	-2.06756	0.04019	0.378884
	-0.26188	-2.06503	0.040431	0.379633
	-0.25434	-2.06913	0.04004	0.378412
	0.168741	2.071618	0.039804	0.377778
	-0.17957	-2.05676	0.04123	0.382039
	0.242765	2.068186	0.04013	0.378745
	0.246487	2.070466	0.039913	0.37802
	0.102175	2.071463	0.039819	0.377812
	-0.26489	-2.07129	0.039836	0.377878
	-0.15561	-2.06747	0.040198	0.378887
CARD8;HRC;PLA2G4C	0.355493	2.069929	0.039964	0.378233
GPR110;RCAN2;CD2AP;TNFRSF21	-0.22742	-2.06897	0.040055	0.378458
	-0.21256	-2.06922	0.040032	0.378412
ANO1;SHANK2;TPCN2;MRGPRF;ENSG00000256508;ENSG00000246889	-0.31282	-2.07014	0.039944	0.378159
	0.158587	2.06853	0.040097	0.378686
STMN3	-0.16207	-2.07123	0.039841	0.377882
GRASP;KRT18;ATF7;KRT7;KRT80;TENC1;ACVR1B;KRT8;PFDN5	-0.33381	-2.06525	0.04041	0.379532
	-0.28763	-2.07023	0.039936	0.378137
MCCC1	-0.30457	-2.06299	0.040627	0.380176
	0.752129	2.07718	0.039282	0.376245
	0.171715	2.070866	0.039876	0.377955
	0.295203	2.070815	0.03988	0.377961
SCARNA5	0.155186	2.073329	0.039643	0.37773
	0.193518	2.069473	0.040008	0.378378
	0.201585	2.069321	0.040022	0.378381
	0.275191	2.071049	0.039858	0.377894
	-0.13338	-2.07124	0.03984	0.377882
	-0.19849	-2.06746	0.040199	0.378887
	0.155835	2.06653	0.040288	0.379122
	0.163657	2.067914	0.040156	0.378816
	0.272162	2.069307	0.040023	0.378381
	0.123208	2.066437	0.040297	0.379152
SMIM5;DNAI2	0.205016	2.073588	0.039618	0.377267
	0.252442	2.067454	0.0402	0.378887
	0.192408	2.069976	0.03996	0.378233
	-0.31156	-2.07289	0.039684	0.377399
SNX20;ADCY7;NOD2	-0.15929	-2.06961	0.039995	0.378312
	0.176695	2.070545	0.039906	0.378016
SPATA33;CBFA2T3;GAS8;ENSG00000260259;ENSG00000261226;FANCA	-0.29054	-2.06626	0.040313	0.379179
GFI1	0.227116	2.07138	0.039827	0.377846
	0.153372	2.068407	0.040109	0.378733
	0.207476	2.068092	0.040139	0.378764
	-0.18545	-2.07239	0.039731	0.377562
	0.170856	2.068206	0.040128	0.378736

	0.276856	2.071046	0.039858	0.377894
	-0.13656	-2.0706	0.0399	0.378016
	-0.22988	-2.07087	0.039875	0.377955
	0.12437	2.063094	0.040617	0.380155
	0.192084	2.063208	0.040606	0.380117
MEG3;RTL1;MEG8;ENSG00000225746;DEGS2;ENSG00000271417;HHIPL1;BEGAIN	-0.1996	-2.0611	0.040809	0.380744
TNS1;CXCR2;PNKD;RQCD1;WNT6	-0.25551	-2.07098	0.039864	0.377913
	0.154301	2.07277	0.039696	0.377418
	0.230303	2.070477	0.039912	0.37802
	0.130949	2.066225	0.040317	0.379184
	0.253779	2.071131	0.03985	0.377894
HMGN3-AS1;HMGN3;ENSG00000272137	-0.29024	-2.06498	0.040436	0.379643
EFCAB4B;CACNA1C	-0.22705	-2.06337	0.04059	0.380087
	0.251306	2.070481	0.039912	0.37802
CD52;RPS6KA1	0.176944	2.068024	0.040145	0.378799
DEF6	-0.27621	-2.06999	0.039958	0.378233
	0.317562	2.070338	0.039925	0.378076
ZNRD1-AS1	0.208247	2.070143	0.039944	0.378159
HLA-L;MRPS18B	0.216521	2.066914	0.040251	0.379055
	0.271505	2.069928	0.039964	0.378233
	0.246028	2.067257	0.040218	0.37895
	-0.20082	-2.05933	0.040981	0.381255
	-0.12124	-2.07221	0.039749	0.377592
	0.218253	2.069821	0.039975	0.378256
	0.157837	2.066911	0.040251	0.379055
	0.158705	2.071832	0.039784	0.377713
	0.17531	2.066612	0.04028	0.3791
	0.269944	2.067006	0.040242	0.379039
	0.200777	2.067965	0.040151	0.378801
	0.217366	2.069131	0.04004	0.378412
	0.238394	2.06931	0.040023	0.378381
	-0.28753	-2.06797	0.04015	0.378801
	0.167675	2.068125	0.040136	0.378764
	0.223828	2.071915	0.039776	0.377697
	0.217336	2.065867	0.040351	0.379317
	-0.21054	-2.06828	0.040121	0.378733
	0.205819	2.068583	0.040092	0.378654
	-0.17009	-2.06577	0.04036	0.379369
	-0.18477	-2.06969	0.039987	0.378296
	0.135538	2.06863	0.040088	0.378633
	-0.18732	-2.06768	0.040178	0.378874
	0.135395	2.07067	0.039894	0.378013
	0.238901	2.062888	0.040637	0.380197
IGF1	0.218464	2.066393	0.040301	0.379158
	0.15908	2.067708	0.040175	0.378874
HLA-F-AS1;HLA-L	-0.22734	-2.06354	0.040575	0.380082



SYNJ2	-0.11806	-2.07274	0.039699	0.377418
	-0.21015	-2.06978	0.039978	0.378278
	-0.27243	-2.06858	0.040093	0.378654
RASGRP3	-0.14137	-2.06477	0.040456	0.379643
	-0.32496	-2.07174	0.039792	0.377736
	0.099159	2.064948	0.040439	0.379643
TBC1D10C;ALDH3B1	-0.31686	-2.07132	0.039832	0.377862
	0.182456	2.061462	0.040774	0.380629
	0.327653	2.073656	0.039612	0.377245
	0.139651	2.062675	0.040657	0.380266
	0.143419	2.064053	0.040525	0.37989
	0.195605	2.059564	0.040958	0.381255
FAM149A;ANKRD37;SLC25A4;SORBS2;LRP2BP	-0.17648	-2.06837	0.040113	0.378733
	-0.23964	-2.06308	0.040618	0.380155
	0.249828	2.063213	0.040606	0.380117
AGO3;PSMB2;MRPS15;KIAA0319L;GJB5;TRAPPC3;COL8A2	0.3414	2.071315	0.039833	0.377862
	-0.16318	-2.07018	0.03994	0.378157
	0.227626	2.071556	0.03981	0.377812
ATP8B2;SYT11;SHE;TDRD10;ARHGEF2;PBXIP1	-0.24726	-2.06464	0.040469	0.379694
	-0.2155	-2.06618	0.040322	0.379184
	0.154378	2.071728	0.039794	0.377738
ENSG00000258699	-0.16638	-2.0625	0.040674	0.380351
	0.189484	2.068137	0.040134	0.378763
	0.294395	2.067665	0.040179	0.378874
PKIB;HSF2	0.182365	2.06922	0.040032	0.378412
	-0.27451	-2.06867	0.040084	0.378611
	-0.13344	-2.06433	0.040498	0.3798
OR5P3	0.233675	2.071819	0.039785	0.377713
	-0.27745	-2.07261	0.03971	0.377489
	-0.17551	-2.07058	0.039903	0.378016
	0.102392	2.070736	0.039888	0.377979
	-0.14691	-2.069	0.040052	0.378458
	-0.19214	-2.06422	0.040509	0.379834
MACF1	-0.2248	-2.06795	0.040153	0.378809
	-0.16608	-2.07031	0.039929	0.378089
	0.236196	2.067145	0.040229	0.378986
ATG16L2;STARD10;ARAP1	0.199459	2.064795	0.040454	0.379643
	0.238379	2.066607	0.04028	0.3791
	-0.19658	-2.06828	0.040121	0.378733
CHST4;MARVELD3;HYDIN;ZNF19;ENSG00000259901	0.161814	2.066206	0.040319	0.379184
	0.250021	2.067354	0.040209	0.378911
	-0.33234	-2.06658	0.040283	0.37911
SUN1;PRKAR1B;HEATR2;PSMG3	-0.18493	-2.06663	0.040278	0.3791
	-0.21119	-2.07213	0.039756	0.3776
	0.302079	2.069095	0.040043	0.378414
MOCOS	-0.30624	-2.06392	0.040538	0.379954
BNIP1;TNFAIP8L2				

C1QB	-0.31679	-2.06684	0.040258	0.379071
	0.19493	2.071882	0.039779	0.377708
	0.265642	2.069886	0.039968	0.378237
	0.223015	2.060124	0.040904	0.381113
	0.25744	2.069509	0.040004	0.378364
	-0.45856	-2.06984	0.039973	0.378251
	0.2035	2.067643	0.040182	0.378874
	0.264255	2.066609	0.04028	0.3791
	0.169677	2.053121	0.041586	0.383015
	0.174481	2.063814	0.040548	0.379979
LINC00094;ADAMTSL2;COL5A1;OLFM1	-0.31176	-2.06745	0.0402	0.378887
	0.19962	2.067283	0.040216	0.37894
	0.178195	2.072539	0.039717	0.377531
MTIF3;POMP	-0.13975	-2.0685	0.0401	0.378693
	0.198824	2.069924	0.039965	0.378233
	0.342276	2.071068	0.039856	0.377894
	0.195229	2.06558	0.040379	0.379458
MEGF6;TP73-AS1	-0.25268	-2.06984	0.039973	0.378251
	-0.27384	-2.07094	0.039868	0.377921
	0.228708	2.067442	0.040201	0.378887
BAIAP2;PCYT2	0.314404	2.066553	0.040286	0.379122
GIMAP8;GIMAP5;GIMAP7;GIMAP6;GIMAP1;GIMAP4;NOS3 EMILIN1;MAPRE3;DNMT3A;AGBL5;GAREML;DRC1;KCNK3;C2orf70 ENSG00000264198;IKZF3;PLXDC1;ERBB2	0.274311	2.066446	0.040296	0.379152
	-0.2201	-2.07286	0.039687	0.377399
	-0.28155	-2.07289	0.039684	0.377399
	-0.22385	-2.0692	0.040033	0.378412
	0.193698	2.070849	0.039877	0.37796
	0.150001	2.068479	0.040102	0.378699
	-0.2791	-2.06784	0.040163	0.378846
	-0.2884	-2.06352	0.040576	0.380082
	-0.25132	-2.06521	0.040414	0.379548
	-0.19414	-2.07017	0.039942	0.378159
ANO1;SHANK2;MRGPRF;TPCN2	0.203705	2.066154	0.040324	0.379184
	0.173201	2.071436	0.039822	0.377812
	-0.23366	-2.0693	0.040024	0.378381
	0.148488	2.066648	0.040276	0.3791
	0.288418	2.064801	0.040453	0.379643
PIEZO1;CBFA2T3;ENSG00000261226;ENSG00000259881 CYBA	-0.24108	-2.06995	0.039963	0.378233
	-0.30744	-2.06902	0.04005	0.378453
	-0.13301	-2.06703	0.04024	0.379029
	0.112761	2.067296	0.040215	0.37894
	0.246374	2.066321	0.040308	0.37916
C14orf119;ADCY4 HLA-F	0.200557	2.068346	0.040115	0.378733
	0.154084	2.067424	0.040202	0.378887
	-0.17662	-2.06969	0.039987	0.378296
BAZ2B;RBMS1;PLA2R1	-0.36908	-2.06988	0.039969	0.378237
CXCR6				
ENSG00000255247;CD3D				

TENC1;PRR13;ATF7;ENSG00000257337;KRT8;KRT7	-0.13298	-2.06599	0.040339	0.379267
	-0.21143	-2.06944	0.040011	0.378381
	-0.21837	-2.06896	0.040057	0.378458
	0.176244	2.070343	0.039925	0.378076
	-0.17393	-2.06917	0.040037	0.378412
TSPAN4;DEAF1;MOB2	0.238247	2.06645	0.040295	0.379152
	-0.19552	-2.06971	0.039985	0.378296
	-0.20654	-2.06674	0.040268	0.3791
	-0.13618	-2.06745	0.0402	0.378887
	0.174095	2.069774	0.039979	0.378278
TIMP3 SMTN;ENSG00000198832;EIF4ENIF1;PES1;DUSP18 CAP2;KDM1B;RBM24	0.184218	2.062738	0.040651	0.38024
	-0.17487	-2.06632	0.040308	0.37916
	-0.27382	-2.06719	0.040225	0.378971
	-0.29632	-2.06925	0.040028	0.378396
	0.237138	2.060514	0.040866	0.380971
HLF	0.286447	2.065079	0.040427	0.379617
	0.152677	2.062928	0.040633	0.380197
	0.144311	2.06406	0.040524	0.37989
	0.336575	2.068171	0.040131	0.37875
	0.26265	2.062494	0.040675	0.380351
DDI2;FBLIM1;DNAJC16	-0.25213	-2.0666	0.040281	0.3791
	-0.20593	-2.06842	0.040108	0.378733
	-0.20387	-2.06526	0.040409	0.379532
	-0.13165	-2.06686	0.040256	0.379071
	0.21634	2.067039	0.040239	0.379029
TBX3;TBX5	-0.23382	-2.06735	0.040209	0.378911
	-0.15861	-2.07047	0.039913	0.37802
	0.273111	2.06992	0.039965	0.378233
	-0.2934	-2.07082	0.03988	0.377961
	-0.1207	-2.06625	0.040315	0.37918
SLA2	-0.28561	-2.06834	0.040115	0.378733
	-0.31027	-2.07049	0.039911	0.37802
	-0.28384	-2.07048	0.039912	0.37802
DERL3 EEF1DP3	-0.21204	-2.05821	0.041089	0.381622
	0.168761	2.072834	0.03969	0.377406
	0.210817	2.067738	0.040172	0.378874
FGFR4;COL23A1;ARL10;DBN1;PDLIM7 TMEM204;CACNA1H;MSRB1;HN1L;ENSG00000205890;KCTD5; ABCA3	0.179182	2.063386	0.040589	0.380082
	-0.12925	-2.06433	0.040498	0.3798
	-0.2558	-2.07302	0.039672	0.377364
	0.208364	2.066601	0.040281	0.3791
	-0.34958	-2.06265	0.040659	0.380274
MSMB	0.280099	2.064361	0.040495	0.379796
	-0.28489	-2.06988	0.039969	0.378237
	0.156908	2.067774	0.040169	0.378872
	-0.64774	-2.06486	0.040447	0.379643
	-0.2555	-2.06718	0.040226	0.378976

	-0.18221	-2.06567	0.04037	0.379442
TEAD2;EHD2;RUVBL2;PRR12;RASIP1;GYS1;GLTSCR1;SEPW1	-0.23944	-2.05841	0.04107	0.381567
	0.259763	2.068676	0.040083	0.378611
GGT5;GGT1;DERL3;ADORA2A-AS1	-0.28656	-2.06765	0.040181	0.378874
	-0.20254	-2.06525	0.04041	0.379532
LCN2	-0.27471	-2.0691	0.040043	0.378414
CNIH1	0.185014	2.070001	0.039957	0.378233
	-0.12607	-2.06822	0.040127	0.378733
	0.168994	2.069257	0.040028	0.378396
RPL27	0.282146	2.066871	0.040255	0.379071
AFF3;KIAA1211L	-0.27399	-2.06377	0.040552	0.379996
	-0.20848	-2.06654	0.040287	0.379122
	-0.3288	-2.07102	0.039861	0.377899
	0.221727	2.060099	0.040906	0.38113
ATP6V0B	0.133673	2.069426	0.040012	0.378381
	0.12317	2.066743	0.040267	0.3791
ENSG00000262529	-0.14476	-2.06372	0.040557	0.38003
	0.19785	2.070742	0.039887	0.377979
GPATCH2L;CIPC;IFT43;AHSA1;ANGEL1	-0.2691	-2.06624	0.040315	0.37918
	-0.37358	-2.06531	0.040404	0.379523
	0.289718	2.069339	0.04002	0.378381
PEAR1;NES;KIRREL	0.236521	2.069683	0.039988	0.378296
	0.165402	2.063976	0.040532	0.379926
	0.229823	2.062265	0.040697	0.380427
SLIT3;ENSG00000248222;WWC1;TENM2	-0.35437	-2.06685	0.040257	0.379071
	-0.37488	-2.06852	0.040098	0.378688
PSMG3;GPR146;GNA12	0.203734	2.062411	0.040683	0.380369
IL18RAP	-0.23321	-2.06188	0.040734	0.38056
	0.320246	2.065454	0.040391	0.379513
SCARB1;ZNF664;BRI3BP;GTF2H3;NCOR2;TCTN2;TMED2;FAM10				
1A;RILPL1	-0.34005	-2.06709	0.040234	0.379016
GNAO1;MT1F	0.220284	2.067532	0.040192	0.378887
	0.2038	2.066701	0.040271	0.3791
P2RX4	0.173638	2.069601	0.039995	0.378312
	-0.19229	-2.06416	0.040515	0.379874
	0.108703	2.060229	0.040893	0.381104
	-0.31457	-2.06248	0.040676	0.380351
	0.243128	2.065987	0.04034	0.379267
	0.217029	2.068735	0.040078	0.378569
STPG1;RCAN3;LUZP1;SRRM1;ID3;IL22RA1;FUCA1;HMGCL	-0.43839	-2.06876	0.040075	0.378564
ENSG00000262652	-0.22015	-2.06423	0.040508	0.379833
IRF8	0.261169	2.06706	0.040237	0.379029
	0.253554	2.065927	0.040345	0.379296
	-0.20812	-2.06875	0.040077	0.378567
	0.218284	2.066976	0.040245	0.379042

FGD5;FBLN2	-0.26379	-2.06716	0.040228	0.378983
	-0.23581	-2.0599	0.040926	0.381221
ADCYAP1R1;RPS27P16	0.235654	2.065313	0.040404	0.379523
	-0.23246	-2.05977	0.040938	0.381239
	-0.2995	-2.06474	0.040459	0.379643
	0.145087	2.060378	0.040879	0.381015
	0.282365	2.061751	0.040746	0.380588
	0.198908	2.068071	0.040141	0.378764
	0.229546	2.05702	0.041205	0.381198
	0.223841	2.061588	0.040762	0.380627
	0.25109	2.064086	0.040522	0.379887
	-0.11411	-2.06116	0.040804	0.380742
	-0.2348	-2.07032	0.039927	0.378085
	-0.19998	-2.06655	0.040286	0.379122
ENSG00000262003;ENSG00000228133;FAM57A;RTN4RL1;PITP NA	0.131208	2.061095	0.04081	0.380744
	-0.16147	-2.06302	0.040624	0.380168
ATN1;ANO2;MRPL51;VWF;SCARNA10;CD9;COPS7A;LEPREL2 PIEZO2;IMPA2	-0.18781	-2.06767	0.040179	0.378874
	-0.27571	-2.06616	0.040323	0.379184
	0.163617	2.068237	0.040125	0.378733
	-0.17376	-2.06202	0.040721	0.380524
	-0.21699	-2.06152	0.040769	0.380629
TRIM59	0.152284	2.068115	0.040137	0.378764
	-0.20229	-2.06285	0.04064	0.380197
	0.234681	2.057862	0.041123	0.381794
	0.228329	2.067722	0.040174	0.378874
	0.222645	2.066844	0.040258	0.379071
TGFB1I1;BCKDK;SETD1A;ENSG00000260219;SRCAP	-0.27052	-2.05926	0.040987	0.381267
	0.207882	2.064663	0.040466	0.379688
	0.227591	2.06424	0.040507	0.379833
	-0.33313	-2.06147	0.040773	0.380629
TNFAIP2;EXOC3L4	-0.22624	-2.06723	0.040221	0.37895
ENSG00000264198;IGFBP4;IKZF3;RARA;MSL1;PLXDC1;ERBB2 CACNA1C	-0.34691	-2.06748	0.040197	0.378887
	0.283827	2.066641	0.040277	0.3791
	0.32099	2.068241	0.040125	0.378733
ENSG00000256576	0.224786	2.068986	0.040054	0.378458
	-0.14042	-2.06117	0.040802	0.380742
	-0.2869	-2.06798	0.040149	0.378801
	-0.29407	-2.06798	0.040149	0.378801
	0.182487	2.068218	0.040127	0.378733
	0.356732	2.06413	0.040518	0.379879
	-0.17995	-2.06298	0.040628	0.380179
	-0.24894	-2.06443	0.040489	0.379753
	0.164783	2.066951	0.040248	0.379044
	0.218604	2.062672	0.040658	0.380266

AGBL5	-0.17637	-2.06412	0.040519	0.379883
	-0.23115	-2.06282	0.040643	0.380211
	-0.10552	-2.06595	0.040343	0.379291
	-0.15948	-2.06606	0.040333	0.379229
	-0.17883	-2.06889	0.040063	0.378487
	-0.19806	-2.06942	0.040013	0.378381
	0.184629	2.068077	0.04014	0.378764
	0.265257	2.066326	0.040307	0.37916
	-0.32699	-2.06004	0.040911	0.381158
	0.233549	2.063435	0.040584	0.380082
	0.165354	2.058791	0.041033	0.38142
	-0.16441	-2.06579	0.040358	0.379368
	-0.25075	-2.06704	0.040239	0.379029
	0.178042	2.065522	0.040384	0.379477
NCKAP1L;TESPA1	-0.24763	-2.06977	0.03998	0.378278
	0.26091	2.063161	0.040611	0.380128
	-0.21167	-2.06835	0.040114	0.378733
POLD3;SLCO2B1;ENSG00000254837;MAP6;GDPD5	-0.3385	-2.06191	0.040731	0.380558
	0.265315	2.06746	0.040199	0.378887
MELK;GNE;TRMT10B	0.220769	2.067732	0.040173	0.378874
	0.173875	2.06742	0.040203	0.378887
BAIAP2;SLC25A10;PCYT2;OXLD1	-0.2071	-2.06687	0.040255	0.379071
	-0.18756	-2.06735	0.04021	0.378911
FLT4;SCGB3A1	0.201008	2.061235	0.040796	0.380737
TCF21;MOXD1	0.194875	2.067856	0.040161	0.378846
	-0.15084	-2.06577	0.04036	0.379369
	0.084791	2.062141	0.040709	0.380487
	0.133978	2.061504	0.04077	0.380629
	-0.17883	-2.06616	0.040323	0.379184
SERPINB6;SERPINB1;SLC22A23;WRNIP1;GMDS;ENSG00000233068;ENSG00000272320	-0.34932	-2.06824	0.040125	0.378733
	0.182198	2.064928	0.040441	0.379643
TUBGCP2;LRRC27;ADAM8;PWWP2B;TTC40;KNDC1;STK32C ATP6V0A1;CNTD1	-0.32228	-2.06517	0.040418	0.379572
	0.270652	2.066721	0.040269	0.3791
	0.203449	2.06279	0.040646	0.380211
	0.170045	2.061926	0.04073	0.380558
ADCY3	-0.24448	-2.06505	0.040429	0.379625
	-0.1397	-2.06809	0.040139	0.378764
	0.141568	2.067839	0.040163	0.378846
	0.179805	2.063586	0.04057	0.380067
	-0.113	-2.06531	0.040404	0.379523
	0.266949	2.063768	0.040552	0.379996
GPR176;ENSG00000261183;SPINT1;DLL4;C15orf52;RMDN3;FSI P1;RHOV;LTK	-0.27988	-2.06063	0.040854	0.380931
	0.125816	2.064994	0.040435	0.379643
	-0.13445	-2.06307	0.04062	0.380162

	-0.21931	-2.06348	0.04058	0.380082
	0.200766	2.058693	0.041042	0.38145
	-0.15603	-2.0649	0.040444	0.379643
	0.194194	2.061598	0.040761	0.380627
	0.190411	2.063601	0.040568	0.380063
	0.170363	2.067003	0.040243	0.379039
LSP1;C11orf89	0.339734	2.065411	0.040395	0.379523
	0.287535	2.064074	0.040523	0.379887
	-0.20361	-2.06361	0.040567	0.380063
	0.19276	2.064831	0.04045	0.379643
	0.154132	2.066396	0.040301	0.379158
	0.216982	2.060724	0.040846	0.380896
	0.153344	2.063187	0.040608	0.380121
	-0.1813	-2.06776	0.040171	0.378874
CCDC8;HIF3A	0.519946	2.064865	0.040447	0.379643
FAM81B;ENSG00000225165;GLRX	-0.44793	-2.06074	0.040844	0.380896
	-0.13775	-2.05931	0.040983	0.381262
SFMBT2;GATA3	0.338844	2.066737	0.040268	0.3791
	0.188133	2.06205	0.040718	0.380515
	-0.19545	-2.06476	0.040457	0.379643
KIAA1755;RPRD1B;MYL9;VSTM2L;DLGAP4	-0.32119	-2.05874	0.041038	0.381443
	0.262819	2.062813	0.040644	0.380211
FAM83H	-0.25299	-2.06831	0.040118	0.378733
HLA-F;PPP1R11	0.178167	2.068284	0.040121	0.378733
	-0.35369	-2.0656	0.040377	0.379451
TSR1	0.12113	2.065622	0.040375	0.379451
	0.141577	2.065408	0.040395	0.379523
ANO2;VWF;NTF3;AKAP3	0.246552	2.065555	0.040381	0.379464
RHPN1-AS1	-0.11295	-2.06431	0.0405	0.3798
PLXDC1;PPP1R1B;ARHGAP23;SRCIN1;PIP4K2B;NEUROD2;LINCO 0672;PCGF2	0.200851	2.05911	0.041002	0.38129
ENSG00000268172	0.283728	2.066963	0.040246	0.379042
	0.248113	2.062396	0.040684	0.380369
	0.208302	2.065109	0.040424	0.379606
RBM23;CDH24;EFS;ZFHX2;REM2;AJUBA;MMP14;ENSG0000015 7306;SLC22A17;ENSG00000228313;SLC7A7;DAD1	-0.35777	-2.05776	0.041132	0.38184
	-0.24364	-2.06275	0.04065	0.380237
	-0.17406	-2.06186	0.040735	0.380561
	0.182686	2.066274	0.040312	0.379176
	0.152331	2.066348	0.040305	0.37916
	-0.21615	-2.06918	0.040035	0.378412
	0.233541	2.062171	0.040706	0.380471
	-0.20712	-2.06084	0.040834	0.380855
HHEX	-0.30002	-2.06175	0.040746	0.380588
	-0.42866	-2.06352	0.040576	0.380082
WDR45B;PCYT2;BAIAP2;LRRC45;NOTUM;SLC25A10;MAFG- AS1;BAIAP2-AS1;CCDC57;C17orf62;LINC00482	-0.24469	-2.06472	0.040461	0.379657

	-0.20606	-2.06756	0.04019	0.378884
	0.252578	2.067413	0.040203	0.378887
	-0.3068	-2.06619	0.04032	0.379184
	-0.18465	-2.05629	0.041276	0.382181
	0.277977	2.065605	0.040376	0.379451
	0.227614	2.068929	0.040059	0.378471
	-0.16162	-2.06036	0.040881	0.381021
	0.211799	2.066173	0.040322	0.379184
STX18	-0.32023	-2.06329	0.040598	0.380096
CDKL1;DNAAF2;ATP5S;ENSG00000259071;NIN;ABHD12B;C14orf182	-0.15021	-2.05197	0.041699	0.38319
	-0.12855	-2.06347	0.040581	0.380082
	-0.1443	-2.06476	0.040457	0.379643
	-0.15552	-2.06165	0.040757	0.380617
C1QTNF7;ENSG00000251379;FBXL5;CD38;PROM1	0.335504	2.063831	0.040546	0.379977
	0.219954	2.060563	0.040861	0.380952
	0.272365	2.06588	0.04035	0.379313
	0.289862	2.064881	0.040445	0.379643
	-0.12333	-2.06458	0.040475	0.379733
VWF;ATN1;MRPL51;LEPREL2;SCARNA10;CD9;GNB3;IFFO1;COP57A	-0.21298	-2.06392	0.040537	0.379954
IP6K2;UBA7	-0.16312	-2.0594	0.040974	0.381255
	0.23785	2.060646	0.040853	0.38093
	-0.22004	-2.06438	0.040493	0.379783
VPS35;DNAJA2	0.31055	2.065374	0.040398	0.379523
SCARNA6;SCARNA5	-0.14446	-2.06485	0.040448	0.379643
	-0.1416	-2.06341	0.040587	0.380082
	-0.31468	-2.06195	0.040727	0.380558
	-0.12845	-2.06606	0.040333	0.379229
ENSG00000261799	0.236851	2.063858	0.040544	0.379973
	-0.30708	-2.06823	0.040126	0.378733
	0.252409	2.066789	0.040263	0.379081
HLA-F;HCP5;PPP1R11;DDR1;PPP1R18;HLA-E	0.311447	2.067337	0.040211	0.378914
	0.186235	2.064253	0.040506	0.379833
	0.289292	2.069052	0.040048	0.378443
	-0.24515	-2.06385	0.040544	0.379973
	0.213284	2.067566	0.040189	0.378884
	0.151274	2.061177	0.040802	0.380742
	-0.22604	-2.06357	0.040571	0.380067
	0.219559	2.066078	0.040331	0.379227
RPL27	0.197647	2.06403	0.040527	0.379902
SIMC1	-0.22585	-2.06497	0.040437	0.379643
	0.198788	2.062909	0.040635	0.380197
	-0.15402	-2.06218	0.040705	0.380471
	-0.34116	-2.06637	0.040303	0.37916
	0.193079	2.064427	0.040489	0.379753
	0.161498	2.061538	0.040767	0.380629



LRRC32	-0.22318	-2.05988	0.040927	0.381229
	-0.20949	-2.06174	0.040748	0.380591
	0.123325	2.065466	0.040389	0.37951
	0.17156	2.063287	0.040598	0.380096
HN1L;IFT140;ENSG00000196674;SOX8;CCDC78	-0.27356	-2.0546	0.041441	0.382634
	-0.26054	-2.05832	0.041079	0.381609
	-0.21356	-2.0615	0.040771	0.380629
	0.256173	2.065369	0.040399	0.379523
SNORA23	-0.1768	-2.06093	0.040826	0.380842
	-0.31972	-2.06643	0.040297	0.379152
PRR15;ENSG00000272568	-0.2334	-2.06387	0.040542	0.379973
	0.269099	2.063185	0.040608	0.380121
	0.233397	2.065598	0.040377	0.379451
	0.175248	2.064657	0.040467	0.379688
	-0.16925	-2.05858	0.041053	0.381489
	0.117479	2.065267	0.040409	0.379532
	0.180069	2.064897	0.040444	0.379643
	-0.2022	-2.06303	0.040623	0.380168
	0.124011	2.066683	0.040273	0.3791
	-0.67652	-2.06136	0.040785	0.380679
	-0.27285	-2.06147	0.040773	0.380629
	0.165564	2.056807	0.041226	0.382038
GPR153;KCNAB2	0.174505	2.055946	0.041309	0.382193
	-0.21184	-2.05609	0.041295	0.382181
	-0.23132	-2.06179	0.040743	0.380573
CARS;NAP1L4;MRPL23;IGF2;TSSC2;TSPAN32;NUP98 SUN1;HEATR2;PSMG3- AS1;FAM20C;MAD1L1;ENSG00000242474;ELFN1 TRPV2;TBC1D27	-0.41245	-2.06234	0.040689	0.38038
	0.247287	2.067098	0.040234	0.379016
	-0.3083	-2.06294	0.040632	0.380197
	0.173914	2.063805	0.040549	0.379979
KIF9-AS1 TMF1	-0.16709	-2.06037	0.040879	0.381015
	-0.31461	-2.05717	0.04119	0.38198
	-0.2803	-2.06529	0.040406	0.379523
PODNL1;EMR3;NOTCH3;SYDE1;CD97;EMR2;LPHN1;BRD4	-0.28468	-2.05576	0.041328	0.382244
	0.268637	2.063624	0.040566	0.380063
	-0.16957	-2.06043	0.040874	0.380997
ENSG00000273137 HMBOX1;NUGGC	0.247014	2.063439	0.040584	0.380082
	-0.25377	-2.06144	0.040776	0.380629
	0.227152	2.064771	0.040456	0.379643
CD96;BTLA	-0.32857	-2.06409	0.040521	0.379887
	-0.18397	-2.06481	0.040452	0.379643
HSPA1B;BAG6;C2 ENSG00000232564	0.242091	2.062717	0.040653	0.380251
	-0.19089	-2.05953	0.040961	0.381255
	-0.13602	-2.06636	0.040304	0.37916
	-0.13435	-2.05886	0.041026	0.381393
	0.212676	2.065003	0.040434	0.379643
C17orf62;RAB40B;WDR45B;CD7	0.31491	2.062061	0.040716	0.380515

TLE2	-0.24756	-2.06305	0.040621	0.380168
	-0.22235	-2.06002	0.040914	0.381168
	0.210791	2.056429	0.041262	0.382179
	-0.30836	-2.06609	0.04033	0.379226
	0.254379	2.065091	0.040425	0.379615
AP1M2	-0.15631	-2.05815	0.041095	0.381655
	0.182273	2.062263	0.040697	0.380427
	-0.23269	-2.06554	0.040382	0.379465
	0.14551	2.060864	0.040832	0.380855
	0.240701	2.064476	0.040484	0.379753
ATP5C1	0.24238	2.064782	0.040455	0.379643
REEP6	-0.25471	-2.05716	0.041191	0.38198
	-0.28984	-2.06248	0.040676	0.380351
	-0.22655	-2.06699	0.040244	0.379042
	0.142528	2.059926	0.040923	0.381202
	-0.21292	-2.06461	0.040472	0.379715
DNAH6;DUXAP1;LDHAP7;ST3GAL5;GGCX;TRABD2A	0.272433	2.058354	0.041075	0.381598
	0.181346	2.059743	0.04094	0.381239
	0.261006	2.05437	0.041463	0.382674
	0.255485	2.064431	0.040489	0.379753
	0.213762	2.063826	0.040547	0.379977
EGFL7;GPSM1;CAMSAP1;ENSG00000237886;UAP1L1;LCNL1	-0.19942	-2.06288	0.040638	0.380197
	-0.20151	-2.06423	0.040508	0.379833
	-0.18469	-2.05883	0.041029	0.381401
	-0.29891	-2.06108	0.040811	0.380747
	0.246172	2.062856	0.04064	0.380197
DCLK1;SMAD9;ALG5;NBEA;CCNA1	0.165792	2.067449	0.0402	0.378887
POLR1C;MRPL14;GLTSCR1L;RSPH9;HSP90AB1;KLC4;PEX6	-0.2906	-2.05926	0.040987	0.381267
	-0.23496	-2.06091	0.040828	0.380842
	0.245247	2.066044	0.040334	0.379233
	0.182357	2.062453	0.040679	0.380362
	-0.19922	-2.05411	0.041489	0.382795
RBM33	-0.14031	-2.06431	0.0405	0.3798
	-0.21851	-2.06364	0.040564	0.380063
	0.170237	2.059748	0.04094	0.381239
	0.269597	2.060837	0.040835	0.380855
	-0.14367	-2.06028	0.040889	0.381067
	0.1665	2.057072	0.0412	0.38198
	-0.20312	-2.05956	0.040958	0.381255
	0.358869	2.05842	0.041069	0.381567
	0.199603	2.062853	0.04064	0.380197
	-0.19794	-2.05702	0.041205	0.38198
	0.100701	2.059101	0.041003	0.38129
	0.228469	2.060774	0.040841	0.380878
	0.191192	2.063418	0.040586	0.380082
	0.285515	2.059711	0.040943	0.381246

ITGAL;ZNF629;CTF1;CORO1A;ZNF48;ZNF768;DOC2A	0.110873	2.064475	0.040484	0.379753
	-0.28526	-2.06639	0.040301	0.379158
	0.330644	2.059942	0.040921	0.381196
	0.277003	2.055235	0.041379	0.38246
	-0.21777	-2.05629	0.041276	0.382181
	-0.21214	-2.06329	0.040598	0.380096
	-0.29878	-2.05937	0.040976	0.381255
	0.199643	2.054983	0.041404	0.382562
	0.161443	2.060685	0.040849	0.380908
	0.178617	2.059531	0.040961	0.381255
CASC2;ENO4;ENSG00000225302	0.238175	2.060103	0.040906	0.38113
	-0.14579	-2.05528	0.041374	0.382445
	0.339822	2.066209	0.040318	0.379184
LCK;S100PBP	0.254392	2.063406	0.040587	0.380082
RPS16P5	0.174352	2.059201	0.040993	0.381268
TRAPPC1	0.112848	2.063232	0.040604	0.380117
	-0.28638	-2.06346	0.040582	0.380082
	-0.34497	-2.05951	0.040963	0.381255
	0.223185	2.062207	0.040702	0.380466
	0.196909	2.056401	0.041265	0.382179
	-0.28742	-2.0625	0.040674	0.380351
	0.244194	2.060507	0.040866	0.380971
	-0.2319	-2.05554	0.041349	0.382358
	0.269309	2.063608	0.040568	0.380063
	-0.16976	-2.06204	0.040718	0.380515
LOH12CR1	-0.12064	-2.05295	0.041603	0.383015
	0.167602	2.06365	0.040564	0.380063
	-0.17519	-2.06263	0.040661	0.380275
DHCR24;TMEM61	-0.32879	-2.06019	0.040897	0.381111
	-0.33553	-2.05981	0.040934	0.381232
	0.205583	2.061724	0.040749	0.380596
COL6A3	0.242931	2.063022	0.040624	0.380168
	0.218735	2.061452	0.040775	0.380629
	-0.22397	-2.06308	0.040618	0.380155
	0.236354	2.065233	0.040412	0.379537
	-0.16082	-2.0619	0.040732	0.380558
RNF223	0.25866	2.063159	0.040611	0.380128
	0.217239	2.062404	0.040683	0.380369
	-0.25442	-2.06489	0.040445	0.379643
RNF32;SHH	0.168869	2.060073	0.040908	0.381144
	0.157961	2.062168	0.040706	0.380471
	0.235654	2.064438	0.040488	0.379753
PSMD13	0.175823	2.064466	0.040485	0.379753
	0.146426	2.060576	0.04086	0.380952
	-0.21861	-2.05549	0.041354	0.382368
	0.150425	2.065383	0.040397	0.379523
	-0.11385	-2.06073	0.040845	0.380896

TBC1D4;LMO7	-0.34315	-2.05791	0.041118	0.381777
SUDS3;CCDC60	0.209609	2.0604	0.040877	0.381007
	-0.27055	-2.05698	0.041209	0.38198
	-0.10132	-2.06179	0.040743	0.380573
RCN3;TEAD2;CARD8;RRAS	0.21789	2.064154	0.040515	0.379874
KLHL6	0.162208	2.061179	0.040802	0.380742
	-0.14873	-2.0637	0.040559	0.380032
	-0.19879	-2.05919	0.040994	0.381268
	0.200892	2.061158	0.040804	0.380742
SLC16A5;TTYH2;FDXR;ICT1	-0.21013	-2.056	0.041305	0.382181
	0.264617	2.061144	0.040805	0.380744
	0.235793	2.061918	0.04073	0.380558
	0.310247	2.063473	0.040581	0.380082
	0.20768	2.061898	0.040732	0.380558
SV2A;CTSS;GOLPH3L;ECM1;C1orf54;SEMA6C;MTMR11;ADAMT				
SL4;MRPS21;CTSK;PLEKHO1;BNIPL	0.223666	2.058604	0.041051	0.381489
SOX9-AS1;ENSG00000263680	-0.24793	-2.06692	0.040251	0.379055
	0.188747	2.062644	0.04066	0.380275
	-0.13971	-2.06339	0.040589	0.380082
BAIAP2	-0.37637	-2.0605	0.040867	0.380971
	-0.34121	-2.06446	0.040486	0.379753
	-0.17418	-2.06095	0.040824	0.38084
HLA-DMB;HLA-DOA;HLA-DMA;TAP1;HLA-DRA;TAPSAR1;HLA-				
DPB1;PSMB9;HLA-DPA1;TAP2	-0.30984	-2.06666	0.040275	0.3791
	-0.2728	-2.0631	0.040616	0.380155
	0.217698	2.06594	0.040344	0.379293
	0.173067	2.054247	0.041476	0.382732
	0.198248	2.056281	0.041277	0.382181
	-0.19669	-2.05904	0.041008	0.381306
	0.243877	2.063342	0.040593	0.380096
PDE2A;STARD10;PPME1;FCHSD2;MRPL48;P2RY2;ENSG000002				
60401	-0.23285	-2.05983	0.040932	0.381232
GRAP2;CACNA1I;SUN2;ATF4	-0.26816	-2.05849	0.041062	0.381533
ENSG00000231530	0.17328	2.061689	0.040752	0.380609
	0.466488	2.058545	0.041057	0.381501
	0.23392	2.057623	0.041146	0.381884
FCGRT	-0.1601	-2.06385	0.040544	0.379973
	-0.4185	-2.06091	0.040828	0.380842
	0.25539	2.061673	0.040754	0.380609
DNM1P47;ASB7	-0.29346	-2.05853	0.041058	0.381502
CLIC4;STPG1;ID3	-0.20387	-2.053	0.041598	0.383015
	0.225345	2.05947	0.040967	0.381255
	-0.3484	-2.06339	0.040589	0.380082
	-0.25367	-2.05682	0.041225	0.382038
	0.171389	2.06166	0.040755	0.380612
	-0.21529	-2.06205	0.040718	0.380515
ABRACL	-0.15197	-2.05943	0.04097	0.381255

CNTD1;IFI35;TMEM106A;HDAC5	0.179561	2.058407	0.04107	0.381567
	0.179739	2.062957	0.04063	0.380193
	-0.12451	-2.0509	0.041804	0.38358
	0.189569	2.054733	0.041428	0.382623
	-0.16201	-2.06629	0.040311	0.379171
FAM151B;ENSG00000249042	0.29336	2.060953	0.040823	0.38084
	-0.27041	-2.05473	0.041428	0.382623
	-0.19318	-2.06505	0.040429	0.379625
	0.231524	2.060433	0.040874	0.380997
	0.273771	2.063857	0.040544	0.379973
ANKRD42	0.17244	2.056021	0.041302	0.382181
	0.264549	2.065383	0.040397	0.379523
SNORA23	0.24467	2.058638	0.041048	0.381489
	-0.31132	-2.06408	0.040523	0.379887
	0.136965	2.059457	0.040968	0.381255
SCAND3;HCG14;TRIM39	-0.31722	-2.06432	0.040499	0.3798
	-0.33057	-2.06255	0.040669	0.380331
	-0.31997	-2.06168	0.040753	0.380609
	0.202388	2.06362	0.040567	0.380063
	0.249521	2.064568	0.040475	0.379733
STAT5B;AOC3;ATP6V0A1;COA3;VPS25;KRT19;FKBP10;KRT42P; CNTNAP1;BECN1;STAT5A;KRT13;ENSG00000267758	-0.23232	-2.05752	0.041156	0.381884
	0.224916	2.065472	0.040389	0.37951
	-0.19453	-2.0616	0.040761	0.380627
	0.312043	2.061825	0.040739	0.380572
	-0.15652	-2.05699	0.041208	0.38198
PSME1	0.344111	2.065154	0.040419	0.379574
	-0.24608	-2.064	0.04053	0.379912
	-0.22539	-2.05751	0.041157	0.381884
	-0.4895	-2.0653	0.040406	0.379523
	-0.19954	-2.05528	0.041375	0.382445
PARP11	-0.15994	-2.06044	0.040873	0.380997
	0.344379	2.057684	0.04114	0.381866
	-0.20253	-2.06335	0.040593	0.380096
	-0.20394	-2.05359	0.04154	0.382965
	-0.13936	-2.06148	0.040772	0.380629
SORBS2	0.159146	2.059481	0.040966	0.381255
	-0.35113	-2.05709	0.041198	0.38198
	-0.26781	-2.06321	0.040606	0.380117
	0.219505	2.062883	0.040637	0.380197
	0.267014	2.064683	0.040464	0.379681
ARPC1B	0.219561	2.0577	0.041139	0.381866
	-0.2388	-2.06453	0.040479	0.379753
	0.217455	2.063298	0.040597	0.380096
	0.176926	2.06109	0.04081	0.380744
	-0.16516	-2.05969	0.040945	0.381255

KNDC1;TTC40	0.140338	2.056175	0.041287	0.382181
	0.172436	2.062298	0.040694	0.380412
	-0.29866	-2.05675	0.041231	0.382044
	-0.13305	-2.06131	0.040788	0.380699
	0.238476	2.056271	0.041278	0.382181
	0.365296	2.058209	0.041089	0.381622
	-0.11224	-2.05224	0.041672	0.38319
	-0.22549	-2.05843	0.041068	0.381567
	0.181673	2.061617	0.040759	0.380626
	-0.24763	-2.05373	0.041526	0.382922
ENSG00000234478;C1orf95;ITPKB;PYCR2	0.261904	2.051866	0.041709	0.383225
	-0.2138	-2.06049	0.040868	0.380979
	0.355776	2.061492	0.040771	0.380629
	-0.34423	-2.0635	0.040578	0.380082
CD19;SPN;CORO1A	-0.2313	-2.06019	0.040897	0.381111
	0.266066	2.061169	0.040803	0.380742
	0.157825	2.059336	0.04098	0.381255
CHPF2	-0.15796	-2.05826	0.041085	0.381622
	0.223532	2.062893	0.040636	0.380197
	0.170168	2.064459	0.040486	0.379753
	-0.1936	-2.05924	0.040989	0.381267
	0.308302	2.062392	0.040685	0.380369
	0.182559	2.05343	0.041556	0.382999
	0.221871	2.06001	0.040915	0.381168
	-0.66313	-2.06341	0.040587	0.380082
	-0.18399	-2.05698	0.041208	0.38198
PDE2A;POLD3;C2CD3;DNAJB13;PPME1;PGM2L1 SLC44A4;NELFE;TNXB;NOTCH4;HSPA1L;C6orf10;LY6G5C;HSPA1 A;VWA7;NEU1;CLIC1;BAG6;ENSG00000225914	-0.25411	-2.05977	0.040938	0.381239
	0.200306	2.059124	0.041	0.38129
	0.146129	2.050017	0.041891	0.383914
C17orf62;WDR45B;RAB40B;CD7	-0.32041	-2.06456	0.040476	0.379733
	0.190987	2.060582	0.040859	0.380952
	0.22805	2.05795	0.041114	0.381771
NDFIP2	-0.35259	-2.05642	0.041263	0.382179
	-0.2406	-2.06234	0.040689	0.38038
	0.24184	2.054309	0.041469	0.382705
	0.21795	2.061692	0.040752	0.380609
SEPHS2	-0.16469	-2.0635	0.040578	0.380082
	0.243473	2.062371	0.040687	0.380371
	-0.33767	-2.06163	0.040758	0.380622
CNNM2	-0.12736	-2.05842	0.041069	0.381567
	0.174236	2.056573	0.041248	0.382137
	0.268707	2.059406	0.040973	0.381255
PCSK7;DSCAML1;CADM1;TAGLN;BACE1	-0.15125	-2.05418	0.041482	0.382768
	0.292202	2.062789	0.040646	0.380211
	0.401195	2.062521	0.040672	0.380351
	-0.13815	-2.05948	0.040966	0.381255
JAK3;ENSG00000269640;BST2;B3GNT3;IL12RB1;FCHO1 HCP5;HLA-B;HLA-DRA;C2;HLA-C;PPP1R18;LTB;MICB				

KIAA0922	0.238293	2.061816	0.04074	0.380572
	0.251321	2.059451	0.040969	0.381255
RNF32	-0.21904	-2.05945	0.040969	0.381255
DIP2C	0.333297	2.060299	0.040887	0.381106
	0.2657	2.053567	0.041542	0.382966
	0.180393	2.059478	0.040966	0.381255
RABL2B;C22orf34;CRELD2;CHKB-AS1;MAPK12	-0.18264	-2.06082	0.040837	0.380864
	-0.13381	-2.05933	0.040981	0.381255
	-0.19804	-2.06332	0.040595	0.380096
TNRC6C;C1QTNF1;ENSG00000178404;USP36;ENSG00000267491;TIMP2	-0.18764	-2.06371	0.040558	0.38003
F5;SELL	0.259625	2.061815	0.04074	0.380572
	-0.23724	-2.06213	0.04071	0.380488
	-0.14184	-2.05519	0.041383	0.382475
	-0.19892	-2.0648	0.040453	0.379643
	-0.2647	-2.05674	0.041232	0.382044
STARD4-AS1;NREP	-0.20668	-2.05465	0.041436	0.382634
	-0.23028	-2.05456	0.041445	0.382645
TSEN2	-0.16468	-2.06211	0.040712	0.380492
ASB1	-0.31171	-2.05781	0.041128	0.38182
	0.168761	2.059426	0.040971	0.381255
	-0.23461	-2.05734	0.041174	0.381965
	-0.15016	-2.05906	0.041007	0.381304
	-0.27377	-2.05996	0.04092	0.38119
	0.310476	2.062804	0.040645	0.380211
USP49	-0.15868	-2.05712	0.041195	0.38198
	-0.39951	-2.05471	0.04143	0.382634
	0.181799	2.056535	0.041252	0.382155
ZNF662;FAM198A;ZBTB47;TRAK1;HIGD1A	-0.31908	-2.05462	0.041439	0.382634
	0.224366	2.063082	0.040618	0.380155
KLF11	0.168994	2.059037	0.041009	0.381306
	-0.15428	-2.05839	0.041072	0.381575
	0.172633	2.049611	0.041932	0.384021
	-0.17018	-2.05795	0.041114	0.381771
ITSN2	-0.32588	-2.05987	0.040929	0.381229
ENSG00000271553	-0.14192	-2.06259	0.040665	0.380302
	0.239796	2.053402	0.041558	0.383008
HECW1	-0.33058	-2.06096	0.040823	0.38084
	0.213801	2.059497	0.040964	0.381255
	-0.37631	-2.0595	0.040964	0.381255
	0.137223	2.059456	0.040968	0.381255
ENSG00000222489	0.187501	2.063296	0.040598	0.380096
ENSG00000272005	0.196668	2.060548	0.040863	0.380957
	0.235524	2.055452	0.041358	0.382387
RASGRP3	0.246486	2.062371	0.040687	0.380371
SYNE2	-0.23255	-2.0563	0.041275	0.382181
	-0.20876	-2.0562	0.041284	0.382181

ATP11A;MCF2L;CUL4A	0.232171	2.057988	0.041111	0.381771
FAM161B;PTGR2;LIN52;DNAL1	-0.15988	-2.05399	0.041501	0.382856
	-0.61253	-2.03076	0.04383	0.389668
	-0.23502	-2.06478	0.040455	0.379643
	0.276113	2.061533	0.040767	0.380629
	-0.14928	-2.06126	0.040794	0.380726
CBS;PDE9A;SLC37A1;CSTB;ENSG00000225331;ICOSLG	-0.26641	-2.04716	0.042174	0.384827
	0.181971	2.059236	0.04099	0.381267
	-0.19377	-2.0603	0.040887	0.38106
	-0.15345	-2.0551	0.041392	0.382511
GPR133	0.290791	2.060465	0.040871	0.38099
SCML4;SMPD2	-0.16748	-2.06004	0.040912	0.381158
	-0.42358	-2.06245	0.040679	0.380362
	0.220007	2.065165	0.040418	0.379572
	0.251133	2.060842	0.040834	0.380855
	-0.30607	-2.05957	0.040957	0.381255
	-0.16861	-2.05822	0.041088	0.381622
	-0.14629	-2.05638	0.041268	0.382181
UCN3	-0.25233	-2.04886	0.042005	0.384288
MICAL3;ATP6V1E1	-0.19427	-2.05961	0.040953	0.381255
	0.191628	2.058598	0.041051	0.381489
DFFB	-0.29072	-2.06447	0.040485	0.379753
	-0.18075	-2.06212	0.040711	0.380491
	0.272404	2.056001	0.041304	0.382181
	0.159814	2.055867	0.041317	0.382203
	-0.29475	-2.05984	0.040931	0.381232
	-0.24365	-2.06128	0.040792	0.380723
GGT5;ADORA2A-AS1;DERL3;C22orf15	-0.21846	-2.05986	0.040929	0.381229
NAV3;E2F7;ENSG00000231121	0.300848	2.059972	0.040918	0.381185
	0.128991	2.052243	0.041672	0.38319
	0.168345	2.061788	0.040743	0.380573
	-0.31095	-2.06413	0.040517	0.379879
	0.220241	2.06532	0.040403	0.379523
PTP4A3	-0.34831	-2.04948	0.041945	0.384062
	-0.22087	-2.06152	0.040768	0.380629
	0.182382	2.059663	0.040948	0.381255
	0.271076	2.060589	0.040859	0.380952
RASGRP2;PYGM;NRXN2;CDC42BPG;TM7SF2;MAP4K2;NAALADL				
1;CAPN1;STIP1;DNAJC4;VEGFB;ESRRA;OTUB1;C11orf95;SLC25A				
45	-0.34957	-2.06078	0.04084	0.380878
	0.162901	2.052728	0.041624	0.383105
	-0.1517	-2.04873	0.042019	0.384354
	0.213204	2.059079	0.041005	0.381302
	0.239348	2.05887	0.041025	0.381393
	0.179953	2.05829	0.041081	0.381622
C1orf216;AGO3;ENSG00000201448	-0.2053	-2.05923	0.04099	0.381267
	0.154928	2.057853	0.041124	0.381794



	-0.19958	-2.05387	0.041513	0.382899
	-0.16218	-2.05343	0.041555	0.382999
POLD3	-0.27539	-2.06196	0.040726	0.380558
FGD3;SUSD3;ZNF169	0.292075	2.061929	0.040729	0.380558
ENSG00000255160	-0.2653	-2.05398	0.041501	0.382856
	0.208131	2.058891	0.041023	0.381393
MRPL23;IGF2;NAP1L4;ASCL2	-0.27067	-2.05245	0.041652	0.383137
	-0.30505	-2.05973	0.040942	0.381239
	0.238066	2.058882	0.041024	0.381393
	0.603275	2.065324	0.040403	0.379523
	0.278924	2.053672	0.041532	0.382946
ARL10;SIMC1;PDLIM7;RNF44;FGFR4	0.233394	2.060642	0.040853	0.38093
ENSG00000271553	0.148361	2.049691	0.041924	0.384012
	0.19338	2.057305	0.041177	0.381965
	0.121114	2.056193	0.041285	0.382181
	0.134226	2.057869	0.041122	0.381794
	-0.14596	-2.05477	0.041424	0.382623
	-0.20918	-2.06324	0.040603	0.380117
	-0.15081	-2.05966	0.040949	0.381255
	-0.14671	-2.05446	0.041455	0.382659
	-0.17642	-2.05598	0.041306	0.382181
	0.184403	2.060878	0.040831	0.380855
RNF223	0.242073	2.060563	0.040861	0.380952
	-0.19341	-2.05684	0.041222	0.382028
	0.154521	2.061867	0.040735	0.380561
IRF4	-0.24357	-2.06202	0.040721	0.380524
	0.262667	2.057924	0.041117	0.381777
	0.139445	2.054764	0.041425	0.382623
PDGFA	-0.1934	-2.05641	0.041264	0.382179
	0.169347	2.061257	0.040794	0.380726
	-0.24377	-2.06085	0.040833	0.380855
	0.180143	2.057307	0.041177	0.381965
RARRES3	-0.24373	-2.05444	0.041456	0.382659
	0.267864	2.054935	0.041408	0.382562
ARL15;CDC20B;PPAP2A;DHX29	-0.35845	-2.05611	0.041293	0.382181
INPP5K	-0.21086	-2.06018	0.040898	0.381111
	-0.19915	-2.05917	0.040996	0.381273
CRLS1;TRMT6;PCNA;CHGB	-0.31124	-2.04633	0.042256	0.38507
	-0.19281	-2.05639	0.041266	0.382179
	0.097493	2.059422	0.040971	0.381255
PMP22;TRPV2;TRIM16;ADORA2B	0.198629	2.056545	0.041251	0.382154
KIAA0125;IGHJ3P	-0.28592	-2.06268	0.040657	0.380266
	-0.32747	-2.05312	0.041586	0.383015
STK32A;DPYSL3	0.267996	2.05677	0.041229	0.382039
	0.172979	2.05564	0.041339	0.382296
	0.248904	2.061323	0.040788	0.380699
ENSG00000196674	-0.23915	-2.06144	0.040777	0.380629

TGIF2;EPB41L1;SLA2;RBL1	0.253084	2.060691	0.040849	0.380908
	0.154444	2.05979	0.040936	0.381239
	0.199179	2.05729	0.041179	0.381965
	-0.20904	-2.05973	0.040942	0.381239
	-0.19893	-2.0524	0.041657	0.383137
	0.278285	2.058998	0.041013	0.381325
	0.210878	2.058275	0.041083	0.381622
	-0.35119	-2.05698	0.041208	0.38198
	-0.13158	-2.05015	0.041878	0.383845
	-0.1607	-2.05645	0.04126	0.382179
	-0.25728	-2.0612	0.040799	0.380742
	-0.3604	-2.06136	0.040784	0.380679
	0.238553	2.06157	0.040764	0.380629
	-0.20221	-2.05923	0.04099	0.381267
SH2D2A;SYT11 STX18;STK32B	-0.11186	-2.05796	0.041113	0.381771
	-0.25037	-2.06014	0.040902	0.38113
	0.181471	2.051667	0.041729	0.38331
	0.193972	2.055018	0.0414	0.382555
	-0.27962	-2.05699	0.041208	0.38198
	-0.33724	-2.05501	0.041401	0.382555
	0.24068	2.061219	0.040798	0.380742
	-0.27386	-2.0573	0.041177	0.381965
	0.195355	2.053818	0.041517	0.382921
	-0.31338	-2.05918	0.040995	0.381271
	-0.25512	-2.04987	0.041906	0.383972
	0.242923	2.056256	0.041279	0.382181
	0.197102	2.058186	0.041091	0.381634
	-0.2037	-2.04873	0.042018	0.384354
-0.28815	-2.05417	0.041483	0.382768	
TACC2	0.28694	2.057161	0.041191	0.38198
	-0.16835	-2.05488	0.041413	0.382576
	-0.18274	-2.05664	0.041242	0.382101
	0.285642	2.054829	0.041419	0.382602
	0.221134	2.051896	0.041706	0.383206
	0.213858	2.054089	0.041491	0.3828
	0.154823	2.059575	0.040957	0.381255
	-0.32842	-2.05946	0.040967	0.381255
	0.215426	2.059137	0.040999	0.38129
	0.160917	2.05605	0.041299	0.382181
	-0.20069	-2.05859	0.041052	0.381489
	-0.21416	-2.05323	0.041576	0.383015
	0.296566	2.059343	0.040979	0.381255
	-0.18123	-2.05658	0.041247	0.382136
CTSW SMG5	-0.37118	-2.0622	0.040703	0.380466
	0.236311	2.056715	0.041234	0.38205
	-0.30365	-2.05791	0.041118	0.381777

FLI1;ARHGAP32;ETS1;ENSG00000175773;SENCR;TMEM45B	0.365381	2.053764	0.041523	0.382922
	-0.17137	-2.05587	0.041317	0.382203
MAGI1;ADAMTS9-AS2	0.30196	2.056341	0.041271	0.382181
	-0.23651	-2.06357	0.040571	0.380067
	-0.23489	-2.05937	0.040977	0.381255
	-0.29317	-2.05862	0.04105	0.381489
	0.181732	2.051648	0.041731	0.38331
	0.364173	2.059363	0.040977	0.381255
	0.118202	2.061116	0.040808	0.380744
	-0.19856	-2.05529	0.041374	0.382445
	0.210355	2.059816	0.040933	0.381232
	0.160853	2.054303	0.04147	0.382705
	-0.15402	-2.06072	0.040846	0.380896
	0.236898	2.052197	0.041677	0.38319
DSP;BMP6;TXNDC5	-0.32499	-2.05282	0.041616	0.38309
	0.361431	2.06112	0.040807	0.380744
	0.250911	2.060924	0.040826	0.380842
ZNF57;GIPC3;TJP3;SEMA6B;AES;GNG7;GNA15;DAPK3;S1PR4;A				
PBA3	0.228138	2.054873	0.041414	0.382576
ACAP2-IT1	-0.16119	-2.05722	0.041185	0.38198
	-0.2887	-2.05349	0.04155	0.382986
	-0.20369	-2.05762	0.041147	0.381884
DNMBP;ENTPD7;HPSE2;ERLIN1	0.280077	2.054587	0.041442	0.382639
C11orf21;TSPAN32;MRPL23;C11orf89;TSPAN4;TNNT2;MUC2	-0.17221	-2.05575	0.041329	0.382244
	0.263155	2.056087	0.041296	0.382181
	-0.42376	-2.05932	0.040981	0.381255
AP4M1;KPNA7;ZCWPW1;STAG3;PCOLCE;ZKSCAN1;ZNF3;ATP5J				
2;GNB2;BUD31;TMEM130;ENSG00000239521	0.163133	2.056268	0.041278	0.382181
SPTSSB;TRIM59;SMC4;IFT80	-0.16817	-2.05822	0.041088	0.381622
	-0.36652	-2.05444	0.041457	0.382659
	-0.15891	-2.05587	0.041317	0.382203
	0.206504	2.052191	0.041677	0.38319
	0.204173	2.056596	0.041246	0.382132
	-0.18165	-2.0572	0.041187	0.38198
	-0.18465	-2.05756	0.041153	0.381884
	0.227362	2.057333	0.041174	0.381965
	0.245724	2.052465	0.04165	0.383137
	0.13031	2.057872	0.041122	0.381794
PTPN14	-0.55733	-2.05924	0.04099	0.381267
	0.1458	2.053509	0.041548	0.382986
	0.165078	2.048022	0.042089	0.384588
	0.198885	2.055181	0.041384	0.382475
	0.231017	2.059107	0.041002	0.38129
	0.233702	2.056798	0.041226	0.382038
	0.242595	2.059233	0.04099	0.381267
ANKLE2				

GSTM5;GSTM3;AMIGO1;GNAT2;SYPL2 ZNF169	0.248938	2.061517	0.040769	0.380629
	-0.25625	-2.04887	0.042005	0.384288
	-0.21547	-2.05827	0.041084	0.381622
	0.241985	2.043284	0.042561	0.385898
	0.316184	2.052989	0.041599	0.383015
FARP1;GPR183;LINC00449	-0.20837	-2.06078	0.04084	0.380878
	-0.12446	-2.05762	0.041147	0.381884
	0.174409	2.05808	0.041102	0.381697
	0.230037	2.057275	0.04118	0.381967
	0.224836	2.060212	0.040895	0.38111
ENSA;RN7SL600P;RORC;SETDB1;ADAMTSL4;ENSG0000023778 1	-0.27339	-2.05981	0.040933	0.381232
	0.137432	2.055187	0.041384	0.382475
	-0.21146	-2.0573	0.041177	0.381965
	0.223648	2.061357	0.040784	0.380679
	-0.21083	-2.05729	0.041179	0.381965
CCND2;TSPAN9	0.105372	2.056168	0.041288	0.382181
	-0.13619	-2.05601	0.041303	0.382181
	-0.21646	-2.04667	0.042223	0.38493
	-0.34744	-2.05689	0.041217	0.382021
	0.178398	2.057133	0.041194	0.38198
ARHGAP17	0.152346	2.055635	0.04134	0.382296
	0.183976	2.059988	0.040917	0.381179
	0.428697	2.061936	0.040729	0.380558
	0.249507	2.057342	0.041173	0.381965
	0.246224	2.054477	0.041453	0.382659
COL1A2;BET1	0.199704	2.058795	0.041032	0.38142
	0.168631	2.053009	0.041597	0.383015
	-0.16603	-2.05461	0.04144	0.382634
	0.281176	2.052952	0.041602	0.383015
	-0.21115	-2.056	0.041304	0.382181
HES6;TRAF3IP1;COL6A3;RAB17;MLPH;ENSG00000232306	-0.31224	-2.05677	0.041229	0.382039
	-0.15906	-2.0552	0.041382	0.382475
	-0.11778	-2.05624	0.041281	0.382181
	0.117943	2.058585	0.041053	0.381489
	0.169423	2.05048	0.041846	0.383777
CNTD1;FKBP10 PARP15;EAF2;PARP14	-0.2411	-2.05355	0.041544	0.382974
	-0.20636	-2.05379	0.041521	0.382922
	0.21575	2.058228	0.041087	0.381622
	-0.25111	-2.0538	0.041519	0.382922
	-0.19486	-2.05474	0.041428	0.382623
SFR1 ST6GALNAC2	-0.17942	-2.0478	0.04211	0.384649
	-0.26198	-2.05907	0.041006	0.381304
	-0.40299	-2.06012	0.040904	0.38113
	0.165655	2.053728	0.041526	0.382922
	0.148425	2.054919	0.04141	0.382562
	0.260978	2.056983	0.041208	0.38198

SEMA4D	-0.38391	-2.04917	0.041975	0.384175
	-0.24814	-2.05887	0.041025	0.381393
	-0.18032	-2.05885	0.041027	0.381393
	0.209138	2.060421	0.040875	0.380997
	0.139122	2.056964	0.04121	0.38198
	0.169593	2.053863	0.041513	0.382899
	0.200021	2.054177	0.041482	0.382768
	0.151487	2.057942	0.041115	0.381771
	-0.22693	-2.05688	0.041219	0.382021
	0.226364	2.056389	0.041266	0.382179
KIF21B	0.310911	2.056325	0.041272	0.382181
CYB5R1;ELF3;RNPEP;PPP1R12B;CSRP1;NAV1;LMOD1;LGR6;IPO9;TMEM9;KIF21B;ADIPOR1;KLHL12;ENSG00000234678;ENSG0000269690;UBE2T;KDM5B;TMEM183A;PTPN7				
	-0.23134	-2.05409	0.041491	0.3828
	0.122158	2.059594	0.040955	0.381255
	0.17055	2.058145	0.041095	0.381655
	0.239285	2.055369	0.041366	0.38243
DZIP1L;NME9;MRAS;CLDN18;FAIM	0.283876	2.061104	0.040809	0.380744
	0.202283	2.058239	0.041086	0.381622
	-0.16583	-2.05645	0.04126	0.382179
	0.269078	2.058551	0.041056	0.381501
	-0.25271	-2.05296	0.041601	0.383015
	-0.16869	-2.05428	0.041472	0.382708
	-0.19949	-2.05191	0.041705	0.383206
	-0.27017	-2.05631	0.041274	0.382181
	-0.20838	-2.05696	0.041211	0.38198
ZKSCAN1;ZNF3;PCOLCE;ZCWPW1;STAG3;GAL3ST4;AP4M1;RABL5;ENSG00000239521				
	-0.24318	-2.05607	0.041298	0.382181
	-0.19584	-2.05239	0.041657	0.383137
PLXDC1	-0.26871	-2.05578	0.041326	0.382241
	-0.3452	-2.05514	0.041388	0.382502
IGF2;NAP1L4	-0.18518	-2.05386	0.041513	0.382899
	-0.11859	-2.05444	0.041457	0.382659
ENSG00000271551	-0.23753	-2.05492	0.04141	0.382562
MYO1G;CCM2	-0.28166	-2.05757	0.041152	0.381884
	0.208745	2.057797	0.041129	0.38182
	0.250656	2.058756	0.041036	0.381443
TMEM254;PPIF;ZMIZ1;ZCCHC24	0.175094	2.048878	0.042004	0.384288
	0.254126	2.054389	0.041462	0.382674
	-0.15469	-2.05606	0.041298	0.382181
	0.22177	2.054988	0.041403	0.382562
	-0.12848	-2.05452	0.041449	0.382659
CCR2;CCR5;CXCR6	0.189334	2.057561	0.041152	0.381884
RABGGTA;KHNYN;NOP9;TGM1	0.150552	2.040162	0.042874	0.386786
TNFRSF1B;DHRS3;PLOD1;ANGPTL7	-0.30908	-2.05146	0.041749	0.383396
HBA2	0.170325	2.056398	0.041265	0.382179

HLA-F;HCP5;HLA-B;HLA-E	-0.31526	-2.05754	0.041154	0.381884
	0.239243	2.049295	0.041963	0.384126
	-0.16166	-2.0491	0.041982	0.384209
	0.220229	2.049994	0.041894	0.383914
	-0.24778	-2.05593	0.041311	0.382193
	0.249401	2.049727	0.04192	0.384008
	-0.25039	-2.0504	0.041854	0.383781
B3GNT3;USHBP1;ISYNA1;KLHL26;ENSG00000269640;NR2F6	-0.25274	-2.05831	0.041079	0.381609
	-0.1744	-2.05022	0.041871	0.383822
	-0.16733	-2.05696	0.041211	0.38198
	-0.24685	-2.05963	0.040952	0.381255
PRR26	0.186916	2.053586	0.04154	0.382965
	0.241836	2.052522	0.041645	0.383137
	0.286492	2.045112	0.042378	0.385387
BNIPL;THEM4;CGN	-0.30688	-2.05622	0.041282	0.382181
	0.246816	2.055985	0.041306	0.382181
	0.243269	2.054934	0.041408	0.382562
	-0.17997	-2.0594	0.040974	0.381255
CDIP1;CLUAP1;CREBBP;GLIS2;C16orf71;GLYR1;SMIM22;SRL;SE C14L5;CORO7	0.21724	2.056227	0.041282	0.382181
	-0.24615	-2.05616	0.041288	0.382181
	-0.179	-2.05261	0.041636	0.383134
	-0.20719	-2.05954	0.04096	0.381255
SAR1B;SKP1	0.21178	2.055483	0.041355	0.382368
	0.281159	2.054366	0.041464	0.382674
	-0.21317	-2.0587	0.041042	0.38145
SDAD1P1	0.180037	2.058701	0.041041	0.38145
	-0.33372	-2.05744	0.041164	0.381941
ENSG00000267543;FBF1	0.172866	2.052444	0.041652	0.383137
	0.193261	2.057644	0.041144	0.381882
	-0.13391	-2.04388	0.042501	0.385763
	0.176734	2.058885	0.041024	0.381393
GAS6;TMEM255B;ADPRHL1	-0.2445	-2.05552	0.041351	0.38236
	0.270308	2.053309	0.041567	0.383015
	0.208124	2.048189	0.042072	0.384518
	0.281504	2.048369	0.042054	0.384493
SPIRE2	-0.28201	-2.05919	0.040994	0.381268
	0.380996	2.057963	0.041113	0.381771
	0.184033	2.057557	0.041153	0.381884
	-0.13699	-2.04965	0.041927	0.384016
	-0.18965	-2.05649	0.041257	0.382179
	0.25278	2.052443	0.041652	0.383137
	-0.13091	-2.0555	0.041353	0.382367
	0.091418	2.055913	0.041313	0.382195
0.243251	2.057374	0.04117	0.381965	
	0.258906	2.054421	0.041458	0.382665

AGTRAP;C1orf158;VPS13D;FBXO6;MAD2L2	-0.27413	-2.04831	0.04206	0.384493
RASAL3;CYP4F3;USHBP1	0.356678	2.058131	0.041097	0.381659
	0.103649	2.055924	0.041312	0.382193
ESRP2;RLTPR;ATP6VOD1;TRADD	-0.23147	-2.05874	0.041037	0.381443
DLEC1;TTC21A;SCN11A;MOBP;ACVR2B;EXOG	0.215287	2.057383	0.041169	0.381965
	0.224935	2.051398	0.041755	0.383427
SMOC2	0.270585	2.049685	0.041924	0.384012
HERC1;TLN2;CA12;FBXL22;ENSG00000261296;ENSG00000259459;ENSG00000259498	-0.44801	-2.05371	0.041528	0.382922
	-0.25201	-2.05162	0.041734	0.38331
RNF216	0.175811	2.051517	0.041743	0.383367
EIF4EBP1	0.287945	2.059198	0.040993	0.381268
	0.226345	2.056648	0.041241	0.382101
SFMBT2;GATA3	0.281387	2.057224	0.041185	0.38198
	-0.23592	-2.05903	0.04101	0.381309
	0.153882	2.050417	0.041852	0.383781
	0.111915	2.051964	0.0417	0.38319
TCTN1	-0.1342	-2.05329	0.041569	0.383015
	0.151133	2.05685	0.041221	0.382028
	-0.16253	-2.05231	0.041666	0.383174
	0.316157	2.056095	0.041295	0.382181
ENSG00000231980	0.37806	2.060127	0.040903	0.38113
WISP2	-0.16121	-2.04724	0.042167	0.384824
LGALS3;KTN1	-0.23945	-2.05775	0.041134	0.381848
	0.210242	2.050438	0.04185	0.383781
	0.262533	2.058854	0.041027	0.381393
PAXBP1-AS1	-0.16653	-2.05769	0.04114	0.381866
	0.20532	2.054868	0.041415	0.382576
	-0.1849	-2.0545	0.041451	0.382659
MRGPRF;TPCN2;MTL5	-0.20623	-2.05705	0.041201	0.38198
	-0.28125	-2.04955	0.041937	0.384046
CLSTN3;IFFO1;C1R;C1S;CD27;LEPREL2	-0.16447	-2.05542	0.041361	0.382403
ZNF683	0.14384	2.055274	0.041375	0.382445
GSDMB	-0.22379	-2.05565	0.041338	0.382296
	-0.2446	-2.05737	0.041171	0.381965
TAP1;TAP2;HCP5	0.245929	2.052559	0.041641	0.383134
	0.226184	2.057309	0.041177	0.381965
	-0.19222	-2.05598	0.041306	0.382181
MS4A8	-0.19376	-2.05626	0.041278	0.382181
ENSG00000228133	-0.37141	-2.05585	0.041319	0.382203
	-0.28686	-2.05169	0.041727	0.38331
LSP1	-0.18797	-2.05768	0.04114	0.381866
CCDC30;WDR65;FAM183A;RIMKLA;ENSG00000236180;TMSB4				
XP1;ZMYND12;TMEM125	-0.20631	-2.0526	0.041637	0.383134
MISP;OAZ1	0.163581	2.050404	0.041853	0.383781
	-0.34196	-2.05531	0.041371	0.382445
	0.259757	2.051995	0.041696	0.38319

SYDE1;BRD4;CYP4F11;NOTCH3;WIZ;DNAJB1;KLF2;C19orf44;RA SAL3	-0.31997	-2.05271	0.041626	0.38311
	0.262512	2.057654	0.041143	0.381882
	0.234665	2.055088	0.041393	0.382511
	0.156856	2.054061	0.041494	0.382809
	0.196887	2.057594	0.041149	0.381884
E2F1	-0.2086	-2.05944	0.04097	0.381255
IL12RB1;RPL18A;FCHO1	-0.20501	-2.04932	0.041961	0.384116
	0.217854	2.056469	0.041258	0.382179
ENSG00000237705	0.316899	2.057012	0.041206	0.38198
	0.180506	2.060135	0.040902	0.38113
	0.262767	2.059758	0.040939	0.381239
	-0.21999	-2.0526	0.041637	0.383134
GABBR1;DDR1;PPP1R18;MDC1;NRM;HLA- A;TRIM31;TRIM26;GNL1;HLA-F-AS1	0.242407	2.053148	0.041583	0.383015
	-0.19169	-2.05691	0.041216	0.382018
	-0.33509	-2.05533	0.041369	0.382445
	-0.128	-2.05055	0.041839	0.38375
	0.13825	2.049708	0.041922	0.384008
FARP1;STK24	-0.28625	-2.05534	0.041368	0.382443
	0.150589	2.045749	0.042315	0.385243
	0.107189	2.055939	0.04131	0.382193
	0.248445	2.055295	0.041373	0.382445
	-0.20456	-2.05051	0.041843	0.383768
	0.20704	2.054074	0.041492	0.382806
	0.152545	2.054632	0.041438	0.382634
TOMM34;HSPD1P21;SYS1;WFDC6;EPPIN;SDC4;WISP2;PIGT;WF DC3;DNTTIP1	-0.33321	-2.05319	0.041579	0.383015
DDR1;CLIC1	-0.25669	-2.05462	0.041439	0.382634
	-0.23027	-2.05564	0.04134	0.382296
	0.251515	2.0578	0.041129	0.38182
	0.164108	2.050259	0.041867	0.383813
	0.258417	2.055854	0.041318	0.382203
	0.287219	2.0483	0.042061	0.384493
LCK;MTMR9LP	-0.2347	-2.05257	0.04164	0.383134
	-0.23131	-2.04903	0.041989	0.384251
TMEM108;NUDT16P1;ENSG00000251011;MRPL3	-0.34812	-2.05039	0.041855	0.383781
	-0.18504	-2.05753	0.041155	0.381884
DDR1;TRIM26;DDAH2;HLA-F-AS1;DHX16;CLIC1	-0.20915	-2.05305	0.041592	0.383015
	0.252575	2.059582	0.040956	0.381255
FUT1	0.191701	2.05013	0.04188	0.383845
	-0.17782	-2.04983	0.04191	0.383983
	0.208413	2.052118	0.041684	0.38319
	0.220076	2.057537	0.041155	0.381884
	-0.15649	-2.05525	0.041377	0.38245
	0.183639	2.053074	0.04159	0.383015
	-0.15735	-2.05262	0.041635	0.383134



TRPV2	-0.12338	-2.05329	0.041569	0.383015
	0.311746	2.04817	0.042074	0.384518
	0.21433	2.053361	0.041562	0.383015
MPP2;PTRF	0.170273	2.054134	0.041487	0.382784
	0.155337	2.050846	0.04181	0.383616
	0.228079	2.052959	0.041602	0.383015
ANKFN1	-0.24394	-2.05862	0.041049	0.381489
	-0.20896	-2.05275	0.041622	0.383105
	0.152043	2.050906	0.041804	0.38358
	-0.24076	-2.05758	0.041151	0.381884
TBC1D10C;RBM14;ENSG00000255306;RBM4B;CLCF1;PTPRCAP ;ADRBK1	0.176824	2.053171	0.041581	0.383015
	0.321276	2.057	0.041207	0.38198
	0.16686	2.055791	0.041325	0.382238
TRIM29	-0.36171	-2.05098	0.041797	0.383578
	-0.21108	-2.04828	0.042063	0.384493
	-0.15352	-2.04281	0.042608	0.386049
	-0.43228	-2.05609	0.041296	0.382181
CAMSAP1;UBAC1;COL5A1	-0.24746	-2.0467	0.04222	0.384921
	-0.19944	-2.05461	0.04144	0.382634
	0.18145	2.041886	0.042701	0.386312
LRRC59;SLC35B1	0.146394	2.056031	0.041301	0.382181
	0.157799	2.051975	0.041698	0.38319
	0.151855	2.053264	0.041572	0.383015
	0.180925	2.054909	0.041411	0.382564
VDAC1;UQCRCQ;HSPA4;C5orf15;PPP2CA	0.144238	2.050988	0.041796	0.383578
	0.136702	2.057254	0.041182	0.381977
	0.161477	2.055653	0.041338	0.382296
TCP11L1;ENSG00000184566;PIGCP1	-0.28664	-2.05454	0.041447	0.382655
	-0.31023	-2.05457	0.041444	0.382644
	0.247206	2.042621	0.042627	0.386122
	-0.18618	-2.05262	0.041635	0.383134
NCOA1;KLHL29	0.180587	2.05154	0.041741	0.383355
	0.179316	2.045347	0.042355	0.385272
	0.150255	2.051034	0.041791	0.383578
	-0.25379	-2.05382	0.041518	0.382921
RARRES3;C11orf48;LRRN4CL;INTS5;HRASLS2;C11orf95;SCGB2A 1;AHNAK;OTUB1;POLR2G	-0.26151	-2.04621	0.042269	0.385096
	-0.27927	-2.04495	0.042394	0.385428
	-0.16577	-2.04939	0.041953	0.384103
	0.19893	2.057131	0.041194	0.38198
	0.148972	2.047577	0.042133	0.384777
	0.197189	2.054958	0.041406	0.382562
COBL	-0.34991	-2.05463	0.041438	0.382634
	0.188757	2.050295	0.041864	0.383813
IFFO1;VWF;SCNN1A;CD27;NTF3;KCNA1;ANO2;KCNA5;AKAP3	0.26848	2.050089	0.041884	0.383869

ENSG00000255334	-0.28075	-2.0536	0.041539	0.382965
	-0.29195	-2.05163	0.041732	0.38331
KIAA0355	-0.27165	-2.05288	0.041609	0.38305
	0.10448	2.053348	0.041564	0.383015
	-0.16548	-2.05617	0.041288	0.382181
	0.382155	2.056064	0.041298	0.382181
	0.154244	2.057363	0.041171	0.381965
	0.101387	2.045828	0.042307	0.385204
CDH23	0.189289	2.04936	0.041956	0.384115
	-0.25944	-2.05701	0.041205	0.38198
	-0.24944	-2.05872	0.041039	0.381448
	0.216965	2.056165	0.041288	0.382181
	-0.16543	-2.05056	0.041838	0.38375
FZD4;SYTL2;DLG2;ENSG00000255471;CCDC89;TMEM126B;TMEM126A	0.299889	2.052075	0.041689	0.38319
	0.275341	2.056792	0.041227	0.382038
EXOC3L4	0.209876	2.057192	0.041188	0.38198
	0.11273	2.05295	0.041603	0.383015
	0.264358	2.050323	0.041861	0.383813
	0.175469	2.053865	0.041513	0.382899
	-0.1253	-2.05162	0.041733	0.38331
	-0.14695	-2.05554	0.041349	0.382358
	-0.22376	-2.04718	0.042172	0.384827
ICAM1;COL5A3;AP1M2	0.256885	2.054821	0.041419	0.382602
IRF6;HHAT;HSD11B1	-0.27009	-2.04726	0.042165	0.384824
GLT8D2	0.293158	2.048697	0.042022	0.384356
	0.267799	2.052007	0.041695	0.38319
	0.217158	2.052859	0.041612	0.383061
CD22;FXVD5;ZFP14	0.153293	2.048978	0.041994	0.384267
	-0.27492	-2.05553	0.04135	0.382358
	-0.18736	-2.05463	0.041438	0.382634
	0.116832	2.052786	0.041619	0.383094
	0.210352	2.058346	0.041076	0.381598
	0.194539	2.053176	0.04158	0.383015
SLFN12L;ENSG00000267369;ENSG00000267554;ENSG00000267046;CCL2;ENSG00000267074	0.288814	2.055397	0.041363	0.382412
	0.185643	2.053742	0.041525	0.382922
FKBP10;KRT42P;PTRF;ATP6V0A1;KRT19;COASY;STAT5B;KRT23	-0.20797	-2.05013	0.04188	0.383845
	0.256768	2.054624	0.041439	0.382634
	0.219631	2.051986	0.041697	0.38319
	-0.17624	-2.05192	0.041704	0.383206
	-0.23459	-2.04836	0.042055	0.384493
	0.205431	2.055416	0.041361	0.382403
LCK	0.308957	2.055086	0.041393	0.382511
	-0.23435	-2.05295	0.041602	0.383015
	-0.33951	-2.05641	0.041264	0.382179

SPI1	0.210028	2.051022	0.041792	0.383578
	-0.26082	-2.05362	0.041537	0.38296
	0.264966	2.054507	0.04145	0.382659
	0.218532	2.0571	0.041197	0.38198
SLC45A1;CAMTA1;SLC2A5	-0.1699	-2.05772	0.041137	0.381866
	-0.36614	-2.04633	0.042257	0.38507
	0.246362	2.052203	0.041676	0.38319
	-0.3288	-2.04705	0.042185	0.384838
	0.218854	2.051293	0.041766	0.383487
	0.156699	2.052383	0.041658	0.383137
	-0.18165	-2.04746	0.042145	0.38481
	0.235688	2.053997	0.0415	0.382856
	0.227003	2.051496	0.041746	0.383378
	0.19882	2.046713	0.042219	0.384921
	-0.14406	-2.0502	0.041873	0.38383
	0.261162	2.057015	0.041205	0.38198
OLFM2;ICAM1;COL5A3;AP1M2;SMARCA4	0.222259	2.045461	0.042343	0.385272
	-0.19384	-2.04879	0.042013	0.384337
	0.214539	2.05597	0.041307	0.382184
	0.242091	2.056336	0.041271	0.382181
	-0.24064	-2.04552	0.042337	0.385264
	0.242411	2.05673	0.041233	0.382045
	-0.16029	-2.04927	0.041965	0.384127
	0.221857	2.045418	0.042348	0.385272
NOVA2	-0.33659	-2.05719	0.041188	0.38198
	-0.38523	-2.05048	0.041845	0.383777
	0.220475	2.04893	0.041999	0.384267
	-0.26506	-2.04695	0.042196	0.384865
SCARB1	0.201007	2.053294	0.041569	0.383015
	-0.33501	-2.05373	0.041526	0.382922
	-0.21724	-2.05208	0.041688	0.38319
	-0.16977	-2.04838	0.042053	0.384493
COL4A2	-0.17155	-2.04805	0.042086	0.384581
	0.234407	2.046405	0.042249	0.385035
	-0.22778	-2.05091	0.041803	0.38358
	-0.3155	-2.04967	0.041926	0.384014
TPM1;TLN2;ENSG00000259498	-0.22858	-2.05313	0.041585	0.383015
	0.336707	2.051228	0.041772	0.383505
	-0.19676	-2.05212	0.041684	0.38319
	-0.223	-2.0508	0.041814	0.383629
TNFAIP8	-0.2443	-2.0559	0.041314	0.382198
	-0.15382	-2.04827	0.042064	0.384493
	-0.42946	-2.05423	0.041478	0.382742
	-0.18843	-2.05365	0.041534	0.382955
TSPAN17;FGFR4;NOP16;CLTB;LMAN2	0.262365	2.053489	0.04155	0.382986
	-0.48202	-2.0551	0.041392	0.382511
	0.176618	2.043798	0.042509	0.385794

BDH1;LMLN;KIAA0226	0.28001	2.050273	0.041866	0.383813
	0.187827	2.056851	0.041221	0.382028
	0.214069	2.048316	0.04206	0.384493
	0.188998	2.052418	0.041655	0.383137
	0.246531	2.052583	0.041639	0.383134
	-0.24347	-2.05106	0.041789	0.383578
	0.175951	2.050423	0.041851	0.383781
	-0.21704	-2.0558	0.041324	0.382238
	-0.88172	-2.03908	0.042983	0.387228
	-0.19218	-2.04831	0.04206	0.384493
	0.236324	2.053948	0.041505	0.38287
	0.205753	2.056513	0.041254	0.382166
	0.231025	2.044291	0.04246	0.385633
	-0.11461	-2.05449	0.041452	0.382659
	0.390388	2.05247	0.04165	0.383137
STK10				
PLXDC1;IGFBP4;ERBB2;NR1D1;PCGF2;MIEN1;PIP4K2B;PSMB3;T				
HRA	0.341511	2.052947	0.041603	0.383015
	0.193488	2.055546	0.041348	0.382358
CA12	0.127654	2.050262	0.041867	0.383813
	0.215176	2.052793	0.041618	0.383094
LSM2	0.136644	2.05232	0.041664	0.383174
SNORD3B-1;SNORD3A;SNORD3D;SNORD3B-2	0.148239	2.054156	0.041484	0.382772
	-0.23233	-2.05435	0.041465	0.382679
FERMT2;DDHD1	0.212716	2.054937	0.041408	0.382562
	0.181195	2.052731	0.041624	0.383105
	0.114928	2.053072	0.041591	0.383015
	0.276206	2.053469	0.041552	0.382986
TBC1D10C	-0.23077	-2.0527	0.041627	0.38311
	-0.1918	-2.0458	0.042309	0.385215
SMTN;UQCR10;THOC5;PES1	0.204619	2.050124	0.041881	0.383845
	-0.13235	-2.05235	0.041661	0.383155
	0.218474	2.057165	0.041191	0.38198
	0.13106	2.053234	0.041575	0.383015
CDIP1;GLIS2;C16orf71;SMIM22;GLYR1;CREBBP;SRL;C16orf89;S				
EC14L5;CORO7;NUDT16L1	-0.27824	-2.04834	0.042057	0.384493
	-0.24558	-2.05304	0.041593	0.383015
	0.242024	2.050823	0.041812	0.383625
FNDC3B	-0.21468	-2.04421	0.042468	0.385645
	0.255958	2.041593	0.04273	0.386374
	-0.17018	-2.049	0.041991	0.384266
	-0.21288	-2.05688	0.041219	0.382021
LIMS2	-0.25209	-2.05104	0.04179	0.383578
	0.171406	2.049272	0.041965	0.384127
	-0.21564	-2.05024	0.041869	0.383814
	0.215598	2.045338	0.042356	0.385272
	0.091774	2.04897	0.041995	0.384267
	0.214435	2.052257	0.041671	0.38319

ZFP14	-0.15846	-2.0531	0.041588	0.383015
	-0.14719	-2.05107	0.041788	0.383578
	0.262721	2.048931	0.041999	0.384267
	-0.16596	-2.0417	0.042719	0.386365
ENSG00000272933;FBXW4	-0.13314	-2.05231	0.041666	0.383174
	-0.22472	-2.05397	0.041503	0.382858
DNAJC16;HSPB7;FBLIM1	-0.16062	-2.04794	0.042097	0.384609
	-0.27912	-2.05337	0.041561	0.383015
HCP5;HLA-B;HLA-E	0.179512	2.047531	0.042137	0.384782
	0.186866	2.050634	0.041831	0.38373
FOXP2	0.234045	2.051149	0.04178	0.383544
	0.198249	2.045647	0.042325	0.385253
	0.221236	2.055133	0.041389	0.382502
	0.209286	2.051645	0.041731	0.38331
NUAK2	0.203639	2.053121	0.041586	0.383015
	0.190782	2.048972	0.041995	0.384267
	0.213054	2.05127	0.041768	0.383492
	-0.32137	-2.04956	0.041936	0.384046
DNM1P47;ENSG00000259236;CHSY1	0.231623	2.055762	0.041327	0.382244
	0.138941	2.052787	0.041619	0.383094
	0.150112	2.05296	0.041602	0.383015
	0.219522	2.052091	0.041687	0.38319
MFSD2A	0.163416	2.039593	0.042932	0.387043
	-0.20131	-2.05207	0.041689	0.38319
COL4A3;COL4A4	0.207226	2.053167	0.041581	0.383015
	0.183843	2.051375	0.041758	0.383438
SYNRG	-0.31	-2.04975	0.041918	0.384008
	-0.18409	-2.05313	0.041585	0.383015
DNAJC28	0.170141	2.053467	0.041552	0.382986
	0.166473	2.050842	0.04181	0.383616
	-0.26143	-2.05178	0.041718	0.383263
	-0.27987	-2.05093	0.041802	0.38358
SNORA71C	-0.42903	-2.05339	0.04156	0.383013
	-0.19241	-2.05492	0.041409	0.382562
	0.253858	2.05464	0.041437	0.382634
	-0.17939	-2.05122	0.041773	0.383508
ZNF641;AQP6;KANSL2	-0.17736	-2.04961	0.041931	0.384021
	0.177952	2.049881	0.041905	0.383972
	0.157819	2.050574	0.041836	0.38375
	-0.21979	-2.05052	0.041841	0.383764
SLC16A9	0.136701	2.051799	0.041716	0.383261
	0.186575	2.053764	0.041523	0.382922
	0.222582	2.049886	0.041904	0.383972
	-0.26331	-2.04765	0.042125	0.384734
	0.127909	2.053522	0.041547	0.382986
	-0.26901	-2.0524	0.041657	0.383137
	0.226808	2.052052	0.041691	0.38319

	-0.23028	-2.05608	0.041297	0.382181
	-0.15851	-2.05219	0.041677	0.38319
	-0.12184	-2.04555	0.042334	0.385264
	0.248572	2.047288	0.042162	0.384824
	-0.19744	-2.05469	0.041432	0.382634
STK10	0.100481	2.048422	0.042049	0.384493
	0.177979	2.048885	0.042003	0.384288
	0.221509	2.052217	0.041675	0.38319
ENSG00000261970	0.259179	2.053245	0.041574	0.383015
	0.220784	2.047932	0.042098	0.384609
	0.220548	2.053411	0.041557	0.383008
PTPRG	-0.2561	-2.0533	0.041569	0.383015
	0.248917	2.050782	0.041816	0.383629
	0.285104	2.042384	0.042651	0.386156
	-0.1483	-2.05248	0.041649	0.383137
	0.141783	2.051902	0.041706	0.383206
	0.215985	2.054741	0.041427	0.382623
	-0.19254	-2.04864	0.042028	0.384384
ZNF423	0.147202	2.050561	0.041838	0.38375
	-0.14451	-2.04706	0.042184	0.384838
PPP1R18;GABBR1;DDR1;DHX16;MRPS18B;HLA-F-AS1;NRM;HCG4	0.439371	2.050318	0.041862	0.383813
	0.20864	2.043746	0.042514	0.385794
	-0.27195	-2.04511	0.042379	0.385387
LSP1	0.299261	2.050974	0.041797	0.383578
	-0.12611	-2.04671	0.042219	0.384921
DFFB;PRDM16;TPRG1L	-0.29339	-2.05196	0.0417	0.38319
CLSPN	0.190232	2.040735	0.042816	0.38665
	-0.1691	-2.0459	0.0423	0.385186
EBF1;ENSG00000253811;ENSG00000253456;RNF145	-0.19743	-2.0471	0.04218	0.384832
	0.330511	2.053627	0.041536	0.38296
RUNX1T1	0.314568	2.051898	0.041706	0.383206
	-0.17989	-2.04564	0.042326	0.385253
FAIM3;PFKFB2;C1orf186;SRGAP2;DYRK3	0.361381	2.05527	0.041375	0.382445
	-0.21446	-2.05217	0.041679	0.38319
	0.252764	2.053871	0.041512	0.382899
	-0.27707	-2.05119	0.041776	0.383527
KCNMA1;ENSG00000236467;ENSG00000225652;DLG5-AS1	-0.32267	-2.05259	0.041638	0.383134
SLC37A1;TMPRSS2;C21orf128;TMPRSS3;RSPH1;LINC00479;ENSG00000225431;PDE9A;LINC00111;ZNF295-AS1;UMODL1;ENSG00000235772	-0.24483	-2.04556	0.042334	0.385264
	-0.1719	-2.0465	0.04224	0.385
	-0.1796	-2.0514	0.041755	0.383427
	0.251527	2.053707	0.041528	0.382922
	-0.25149	-2.05199	0.041697	0.38319
	0.185353	2.05477	0.041424	0.382623

COL4A2;COL4A1;RAB20	0.255901	2.052936	0.041604	0.383017
	0.390443	2.052455	0.041651	0.383137
	-0.15518	-2.05565	0.041339	0.382296
LHPP;FANK1;FANK1-AS1;ADAM12	0.290246	2.048328	0.042059	0.384493
	0.189473	2.054383	0.041462	0.382674
	-0.26565	-2.05308	0.04159	0.383015
POLR3F	-0.22591	-2.05001	0.041892	0.383914
	-0.20981	-2.04942	0.04195	0.384085
	0.150569	2.048771	0.042015	0.384338
SP140	-0.18559	-2.04935	0.041957	0.384115
	0.240716	2.053641	0.041535	0.382957
	-0.21144	-2.04319	0.04257	0.385915
KLK13	0.198081	2.049205	0.041972	0.384166
	-0.1665	-2.05115	0.041779	0.383544
	-0.2162	-2.05108	0.041787	0.383578
TBC1D4;LMO7	0.273377	2.043911	0.042498	0.385754
	0.09138	2.047363	0.042154	0.384824
	0.299556	2.05323	0.041575	0.383015
WDR45B	0.261478	2.049432	0.041949	0.384084
	-0.30059	-2.04897	0.041995	0.384267
	-0.19999	-2.04948	0.041944	0.384062
ROBO2	0.15751	2.045692	0.04232	0.385246
	-0.2686	-2.04855	0.042036	0.384453
	-0.31161	-2.05006	0.041887	0.383883
CYB5R1;KIF21B;PTPN7;NAV1;TMEM9	-0.31487	-2.05047	0.041847	0.383777
	0.187929	2.053462	0.041552	0.382986
	-0.16457	-2.04418	0.042471	0.385651
HINT2;STOML2;UNC13B;CLTA;PIGO;VCP;TLN1	0.208665	2.053174	0.041581	0.383015
	0.213257	2.046475	0.042242	0.385
	-0.21239	-2.05611	0.041294	0.382181
PRDX5;NRXN2;SIPA1;PPP2R5B;CST6;STIP1;PYGM;MAP3K11;EFE	-0.2312	-2.04436	0.042453	0.385631
	0.099266	2.043844	0.042505	0.385783
	0.264154	2.053029	0.041595	0.383015
MP2;EHBP1L1;TM7SF2;LTBP3;DNAJC4;EHD1;RASGRP2;ZNHIT2;	-0.20198	-2.04986	0.041907	0.383972
	0.199868	2.049714	0.041921	0.384008
	-0.31147	-2.04744	0.042146	0.38481
S100P;EVC;CCDC96	0.233154	2.053717	0.041527	0.382922
	0.197056	2.051245	0.04177	0.383498
	-0.29524	-2.05505	0.041397	0.382533
SLC41A1;SRGAP2;TMCC2;C1orf186	0.165854	2.05174	0.041722	0.383273
	0.195711	2.049993	0.041894	0.383914
	0.155695	2.052007	0.041695	0.38319
CD46	0.158459	2.052459	0.041651	0.383137
	-0.24676	-2.05056	0.041837	0.38375
ENSG00000230606				
TBX3				

	-0.32019	-2.05175	0.041721	0.383272
	0.259804	2.049779	0.041915	0.384008
	-0.26699	-2.05601	0.041304	0.382181
	-0.15272	-2.04924	0.041968	0.384144
	-0.23402	-2.04759	0.042132	0.384775
GPR55	-0.24724	-2.05357	0.041542	0.382966
	0.145711	2.050553	0.041838	0.38375
SYNE3;C14orf132;LINC00341;CLMN;IFI27	0.203066	2.051347	0.04176	0.383449
GOLGA5;CPSF2	-0.13366	-2.05075	0.041819	0.383649
	0.233743	2.052233	0.041673	0.38319
NDUFS6;MRPL36	0.207327	2.052456	0.041651	0.383137
TSTA3	0.176784	2.051973	0.041699	0.38319
	0.232306	2.048278	0.042063	0.384493
WIPF1	-0.25857	-2.0521	0.041686	0.38319
SP100	0.37769	2.047889	0.042102	0.384619
	-0.20109	-2.04701	0.042189	0.384845
NLRC5;GNAO1;GPR114;ENSG00000261270	-0.29003	-2.05437	0.041463	0.382674
	0.252794	2.044486	0.042441	0.385585
	0.170493	2.051345	0.04176	0.383449
	0.132589	2.046519	0.042238	0.384997
	0.316349	2.048698	0.042022	0.384356
SKI;VWA1;SSU72;RER1;TNFRSF14	0.181497	2.049381	0.041954	0.384106
	0.173168	2.052398	0.041657	0.383137
ABHD11;WBSCR22;CLDN4;LAT2;GTF2I;ENSG00000233369;WB				
SCR27;LINC00035;NCF1B;NCF1	-0.25256	-2.05175	0.041721	0.383272
CNTNAP1;TUBG2;AOC3;FKBP10;HAP1;EZH1;BECN1;COASY;PTR				
F;RAMP2;ACLY;RAMP2-AS1;PLEKHH3;ENSG00000267221	-0.26038	-2.05292	0.041605	0.383019
	0.313246	2.053276	0.041571	0.383015
	0.210283	2.051046	0.04179	0.383578
	0.256611	2.048011	0.04209	0.384589
	0.213286	2.04793	0.042098	0.384609
	-0.19531	-2.05256	0.041641	0.383134
	0.209347	2.043777	0.042511	0.385794
	0.179969	2.041855	0.042704	0.386312
	-0.29985	-2.05429	0.041471	0.382705
	0.220821	2.052762	0.041621	0.383105
	-0.29859	-2.05315	0.041583	0.383015
PTP4A3;DENND3	-0.28992	-2.05019	0.041874	0.383835
RASSF1;P4HTM;DALRD3;UBA7	-0.21525	-2.04213	0.042677	0.386264
ENSG00000259768	-0.20105	-2.03772	0.04312	0.38755
	-0.17031	-2.04703	0.042187	0.384845
ARID3A;GNG7;MUM1;BTBD2	0.166469	2.052729	0.041624	0.383105
	-0.29305	-2.04589	0.042301	0.385186
NUP62	0.250778	2.051485	0.041747	0.38338
	0.206274	2.053892	0.04151	0.382899
	-0.2159	-2.05263	0.041634	0.383134



MFN2	0.226152	2.05201	0.041695	0.38319
	0.110656	2.046034	0.042286	0.385183
	0.272949	2.050414	0.041852	0.383781
	-0.2351	-2.04348	0.042541	0.385848
	-0.15714	-2.0469	0.0422	0.384876
	-0.14583	-2.04111	0.042779	0.386545
	0.418118	2.050992	0.041795	0.383578
	0.200007	2.049637	0.041929	0.384019
	0.217789	2.051604	0.041735	0.383313
	0.186599	2.048748	0.042017	0.38435
IGLV1-40;IGLV1-44	0.304506	2.052216	0.041675	0.38319
	-0.16314	-2.04568	0.042321	0.385247
	-0.17383	-2.05058	0.041836	0.38375
	-0.14396	-2.05269	0.041629	0.383119
	0.184775	2.047189	0.042171	0.384827
	-0.26481	-2.05197	0.041699	0.38319
DGKH;EPSTI1	0.281091	2.051405	0.041755	0.383427
	-0.208	-2.05073	0.041821	0.383658
	0.179445	2.041786	0.042711	0.386322
TNIP3	0.2732	2.050994	0.041795	0.383578
	-0.31268	-2.04727	0.042164	0.384824
VWA5A;ESAM;ROBO4 ENSG00000272088	0.189981	2.05451	0.04145	0.382659
	0.266958	2.046774	0.042213	0.384903
	0.162135	2.04579	0.042311	0.385215
	-0.12746	-2.04637	0.042253	0.385057
NRROS;BDH1;LMLN	-0.23277	-2.04433	0.042456	0.385631
	-0.20447	-2.04986	0.041907	0.383972
RPS3AP6	-0.23964	-2.04552	0.042338	0.385264
	0.271753	2.046785	0.042212	0.384903
	0.243276	2.046285	0.042261	0.38507
	-0.24333	-2.05299	0.041599	0.383015
EFHD1	-0.19218	-2.05372	0.041528	0.382922
	0.195637	2.052982	0.041599	0.383015
	0.220576	2.046951	0.042195	0.384865
	0.217027	2.050904	0.041804	0.38358
ENSG00000234478;EPHX1;PYCR2;C1orf95	-0.2648	-2.04677	0.042213	0.384903
	0.145246	2.047225	0.042168	0.384824
SCNN1G	0.256694	2.051045	0.04179	0.383578
	0.165542	2.048306	0.042061	0.384493
	0.177676	2.049111	0.041981	0.384209
GLTSCR1L	0.260125	2.044542	0.042435	0.385576
	0.273523	2.052087	0.041687	0.38319
	-0.27641	-2.04809	0.042082	0.384555
TSPAN4;PSMD13;ENSG00000250397;TALDO1;TMEM80;PHRF1; BRSK2;MUC6;ODF3;DEAF1	0.220011	2.052668	0.04163	0.383127
	0.261797	2.048502	0.042041	0.38448
PTPN20A	-0.41226	-2.04951	0.041942	0.384054

B3GNT3;ZNF14;FCHO1;SLC25A42;JAK3 CLDN11	-0.35164	-2.05026	0.041867	0.383813
	0.296721	2.046983	0.042192	0.384856
	-0.16467	-2.04315	0.042575	0.385934
	0.149673	2.042417	0.042648	0.386156
	0.161168	2.052387	0.041658	0.383137
	-0.20483	-2.04755	0.042136	0.384782
	-0.22085	-2.04912	0.04198	0.384209
	-0.18643	-2.05325	0.041573	0.383015
	-0.26409	-2.05316	0.041582	0.383015
RNF32	0.227911	2.047904	0.042101	0.384613
	-0.27895	-2.05164	0.041732	0.38331
	-0.18954	-2.04917	0.041975	0.384175
LRRC63;COG3;SIAH3;TPT1	-0.20556	-2.04686	0.042204	0.384889
	-0.32744	-2.04613	0.042277	0.385143
ENSG00000260337;ENSG00000258676;FAM174B;ENSG00000271763	-0.33817	-2.05244	0.041652	0.383137
ANXA2;ENSG00000259481	-0.25687	-2.04528	0.042362	0.385294
	0.33282	2.049736	0.041919	0.384008
MAD1L1;SUN1;HEATR2	-0.26171	-2.04973	0.041919	0.384008
SLC38A6;LRRC9	-0.15318	-2.04611	0.042279	0.385143
	0.233533	2.047307	0.04216	0.384824
C20orf194	0.182767	2.045561	0.042333	0.385264
ANO1;SHANK2	-0.17958	-2.04933	0.041959	0.384116
	0.248634	2.048714	0.04202	0.384356
	0.199714	2.048431	0.042048	0.384493
	0.189175	2.042267	0.042663	0.386194
ENSG00000259508;MOK;KIF26A;CKB;SNORA28;ENSG00000246451;EIF5;C14orf2;ENSG00000270108;KLC1;ENSG00000260285	-0.30175	-2.04101	0.042789	0.386566
	0.301551	2.042383	0.042651	0.386156
	0.209387	2.047057	0.042185	0.384838
MFSD4	-0.28506	-2.04803	0.042088	0.384585
WDFY4;C10orf128	0.311894	2.04766	0.042125	0.384734
	-0.24062	-2.04829	0.042063	0.384493
	-0.33784	-2.04676	0.042214	0.384905
	0.220768	2.049316	0.041961	0.384116
LTF;CDCP1;ZDHHC3	-0.3255	-2.04603	0.042287	0.385183
	-0.21225	-2.04793	0.042097	0.384609
	-0.19648	-2.05034	0.041859	0.383812
	0.170671	2.047754	0.042115	0.384683
	0.256483	2.051553	0.04174	0.383351
GRASP;ACVRL1	0.235463	2.049267	0.041965	0.384127
	-0.25091	-2.04836	0.042055	0.384493
	0.256919	2.050388	0.041855	0.383781
	0.105372	2.04818	0.042073	0.384518
	0.208189	2.051841	0.041712	0.383231
	0.179498	2.052102	0.041686	0.38319

FGFR3	0.428661	2.045396	0.04235	0.385272
	0.19926	2.051249	0.04177	0.383498
ROR1;ENSG00000226891;LEPR;CFL1P3;ENSG00000223949;ENSG00000177452;CACHD1	-0.2696	-2.04419	0.04247	0.385645
	0.255985	2.049632	0.041929	0.384019
	0.204156	2.045061	0.042383	0.3854
	0.236731	2.049341	0.041958	0.384116
	0.262393	2.04428	0.042461	0.385633
	0.238742	2.053508	0.041548	0.382986
	0.391023	2.054443	0.041456	0.382659
SLC5A1	-0.25029	-2.0466	0.04223	0.384961
	0.215364	2.05212	0.041684	0.38319
PDCD6;LPCAT1;ENSG00000188002;TRIP13;NKD2	-0.25322	-2.0384	0.043052	0.387402
	-0.22355	-2.0478	0.042111	0.384649
	0.222295	2.044589	0.04243	0.385566
	0.160573	2.045005	0.042389	0.385417
	-0.28299	-2.05027	0.041866	0.383813
	0.244705	2.044336	0.042456	0.385631
	0.138368	2.046	0.04229	0.385183
	0.21212	2.052484	0.041648	0.383137
	-0.23843	-2.04561	0.042328	0.385256
	0.169889	2.046301	0.04226	0.38507
IQUB;ENSG00000232524;AASS	0.201292	2.043421	0.042547	0.385864
	0.206825	2.047329	0.042158	0.384824
	-0.18357	-2.04984	0.041909	0.383975
	0.264326	2.042632	0.042626	0.386122
CYP4F12;HSH2D;ZNF333	-0.57712	-2.04988	0.041905	0.383972
	0.205581	2.041097	0.04278	0.386545
ISYNA1	-0.18603	-2.04682	0.042208	0.384903
CLDN16	-0.30207	-2.04229	0.042661	0.386191
GPR183	-0.27845	-2.0481	0.042081	0.384549
RER1;ENSG00000203301	0.230127	2.043393	0.04255	0.385881
	-0.21374	-2.04786	0.042105	0.384638
	-0.23649	-2.03665	0.043229	0.387805
	-0.19603	-2.04571	0.042319	0.385246
	0.183924	2.04782	0.042109	0.384648
	0.140223	2.04981	0.041912	0.383989
	0.266035	2.05204	0.041692	0.38319
	0.257798	2.051842	0.041712	0.383231
RASAL3;GIPC1;IL27RA	0.143603	2.049665	0.041926	0.384014
	-0.16744	-2.04792	0.042099	0.384609
HS3ST1	-0.20606	-2.04674	0.042216	0.38491
	0.216692	2.050782	0.041816	0.383629
	0.145923	2.048808	0.042011	0.384329
	-0.21002	-2.04324	0.042565	0.385915
	-0.24052	-2.04496	0.042394	0.385428
	-0.26595	-2.04689	0.042202	0.384878

	0.169217	2.042872	0.042602	0.386031
	-0.16642	-2.04404	0.042486	0.385707
	-0.29135	-2.04164	0.042725	0.386374
TM7SF2;CST6;PRDX5;NRXN2;RASGRP2;MAP4K2;EFEMP2;PYGM				
;STIP1;SIPA1;FIBP;TRPT1	-0.40987	-2.04011	0.042879	0.386786
	-0.2377	-2.04398	0.042491	0.385721
	-0.12138	-2.04563	0.042326	0.385253
	0.18088	2.050918	0.041803	0.38358
	0.160948	2.050662	0.041828	0.383712
	-0.18333	-2.044	0.042489	0.385717
	-0.36689	-2.04893	0.041999	0.384267
	0.174325	2.046446	0.042245	0.385014
	-0.13902	-2.04389	0.042501	0.385763
	-0.3314	-2.05015	0.041879	0.383845
DIP2C	0.204121	2.050991	0.041795	0.383578
	0.187645	2.046576	0.042232	0.384979
	-0.18164	-2.05093	0.041802	0.38358
	0.173621	2.044509	0.042438	0.385581
	-0.25855	-2.04713	0.042178	0.384832
	0.162899	2.044298	0.042459	0.385633
	0.22581	2.043683	0.042521	0.385798
VPS26BP1	-0.16304	-2.05167	0.041729	0.38331
	0.230005	2.050795	0.041815	0.383629
	0.178766	2.040083	0.042882	0.386786
PTPN7	-0.1529	-2.04754	0.042136	0.384782
	0.108687	2.034673	0.04343	0.388507
	-0.36725	-2.04732	0.042159	0.384824
	0.241665	2.049502	0.041942	0.384054
	-0.19991	-2.04973	0.04192	0.384008
	-0.3471	-2.04917	0.041975	0.384175
	0.230027	2.046421	0.042248	0.385028
	0.172055	2.047004	0.04219	0.384845
NUP210;FGD5	-0.2205	-2.04466	0.042423	0.385519
	-0.16405	-2.05107	0.041788	0.383578
	0.206397	2.047218	0.042169	0.384824
	-0.25172	-2.04253	0.042636	0.386144
	0.176411	2.046558	0.042234	0.384986
ENSG00000230490;STARD13-				
AS;ENSG00000232986;ENSG00000234535	0.249531	2.040792	0.042811	0.386612
	0.133253	2.041291	0.042761	0.386489
	-0.23843	-2.04972	0.04192	0.384008
	0.308082	2.041879	0.042702	0.386312
	0.293294	2.051272	0.041768	0.383492
ARHGEF1;CYP2F1;B9D2;GRIK5;CD79A;TGFB1;POU2F2;ENSG00				
000268833;CEACAM1	-0.22384	-2.04557	0.042333	0.385264
	-0.13988	-2.04079	0.042811	0.386612
	-0.17276	-2.05024	0.041869	0.383814

	-0.21317	-2.05206	0.04169	0.38319
	-0.24599	-2.04732	0.042158	0.384824
	0.256265	2.044123	0.042477	0.385665
ENSG00000255308;ENSG00000255160;CSRP3;ENSG00000256361	-0.16872	-2.04036	0.042854	0.386744
	0.206621	2.046856	0.042205	0.384889
	0.199104	2.045067	0.042383	0.3854
	0.211954	2.044439	0.042445	0.385607
	0.299667	2.047329	0.042158	0.384824
	-0.18337	-2.04812	0.042079	0.384544
	0.266487	2.043076	0.042582	0.385947
	-0.15029	-2.04566	0.042323	0.385247
ANKRD24	-0.28759	-2.04741	0.042149	0.384811
ARFIP2;ZNF214;CNGA4;APBB1;TRIM5;TRIM3;TIMM10B;TRIM2;GVINP1	0.126601	2.046802	0.04221	0.384903
	-0.42997	-2.05178	0.041717	0.383263
	-0.12222	-2.03874	0.043018	0.38729
	0.170747	2.03828	0.043064	0.387425
ALOX15;ITGAE;NUP88	-0.35315	-2.04593	0.042297	0.385186
CMKLR1	-0.22159	-2.0441	0.042479	0.385671
	-0.18835	-2.04444	0.042445	0.385607
	-0.25476	-2.04275	0.042614	0.386049
	0.169421	2.045895	0.0423	0.385186
TESC	-0.22285	-2.04337	0.042552	0.385881
	-0.13668	-2.04631	0.042259	0.38507
IQCA1	-0.28505	-2.04022	0.042868	0.386786
	-0.24788	-2.0473	0.042161	0.384824
GNA15;S1PR4	-0.21369	-2.04467	0.042422	0.385519
	0.331726	2.028334	0.04408	0.390478
	0.255795	2.050268	0.041867	0.383813
	0.20525	2.047076	0.042183	0.384838
	0.190448	2.03692	0.043202	0.38773
	0.13332	2.038941	0.042997	0.387239
GARNL3	0.240161	2.050956	0.041799	0.38358
	0.249164	2.039397	0.042951	0.387089
	-0.22066	-2.04739	0.042152	0.384817
	-0.13416	-2.04536	0.042353	0.385272
PPP1R10;HCG4	-0.27727	-2.03631	0.043264	0.387904
	0.232161	2.045692	0.04232	0.385246
UNC13D;ST6GALNAC2;SPHK1;ST6GALNAC1;GALK1;RNF157-AS1;RHBDF2;PRPSAP1;TRIM65	-0.23899	-2.04428	0.042461	0.385633
PCDH12;PCDHGA12;PCDHGB8P;PCDHGC5;PCDHGB6;HDAC3;SPRY4;ARAP3;PCDHGA11;PCDHGA8;PCDHGA9;TAF7;PCDHGA4;PCDHGB7;PCDHGA10;PCDHGC4;PCDHGA2;PCDHGB2	-0.19894	-2.04416	0.042473	0.385662
	-0.21933	-2.04484	0.042405	0.385459
	-0.21972	-2.04764	0.042127	0.384739

FAM157C;CYBA GEM	0.100828	2.036206	0.043274	0.387918
	0.166411	2.047477	0.042143	0.384803
	-0.33969	-2.04282	0.042607	0.386049
	-0.22792	-2.04821	0.04207	0.384518
	0.116483	2.037063	0.043187	0.387682
	-0.21364	-2.03944	0.042947	0.387089
	0.171744	2.042302	0.042659	0.386191
	0.243424	2.04625	0.042265	0.385077
	-0.30961	-2.04488	0.042401	0.385454
	-0.16516	-2.04295	0.042594	0.386009
HN1L;ENSG00000196674;NME4;IFT140;SOX8;CCDC78;NHLRC4 ;SNRNP25;ENSG00000260807;BAIAP3;UNKL;HAGHL;ENSG0000 0261659;MRPL28;RGS11;WDR90;HAGH	0.195518	2.039869	0.042904	0.386885
	-0.47644	-2.04953	0.04194	0.38405
	0.130923	2.049933	0.0419	0.383952
	0.259158	2.042391	0.04265	0.386156
	0.271793	2.043363	0.042553	0.385881
	0.259908	2.048941	0.041998	0.384267
	0.217084	2.043791	0.04251	0.385794
	-0.23918	-2.05042	0.041851	0.383781
	0.297503	2.047952	0.042096	0.384609
	-0.35215	-2.04812	0.042079	0.384544
KANS1L  PRX SLA;TG	-0.23979	-2.0471	0.04218	0.384832
	-0.24128	-2.04837	0.042054	0.384493
	-0.12861	-2.03594	0.043301	0.388017
	-0.2537	-2.04838	0.042053	0.384493
	-0.23953	-2.04364	0.042525	0.385815
	0.224791	2.041574	0.042732	0.386379
	0.212378	2.048539	0.042038	0.384457
	-0.25894	-2.04817	0.042074	0.384518
	0.285173	2.046167	0.042273	0.385119
	0.203479	2.04944	0.041948	0.384084
ENSG00000178404;EIF4A3	0.185686	2.047917	0.042099	0.384609
	-0.17535	-2.04183	0.042707	0.386312
	-0.26665	-2.04547	0.042342	0.385272
	-0.13263	-2.04361	0.042529	0.385815
	0.244255	2.043184	0.042571	0.385915
	0.179049	2.047496	0.042141	0.384794
	-0.19983	-2.04407	0.042482	0.385693
	-0.13052	-2.04538	0.042352	0.385272
	0.185654	2.044997	0.04239	0.385417
	0.308174	2.050164	0.041877	0.383845
PYHIN1;SLAMF1;LY9;SLAMF6;AIM2;SLAMF7;FCRL6;CD84;CD48	0.161334	2.04544	0.042345	0.385272
	0.141871	2.045405	0.042349	0.385272
	0.181813	2.048477	0.042044	0.38448
	0.212989	2.045471	0.042342	0.385272
	0.179049	2.047496	0.042141	0.384794
	-0.19983	-2.04407	0.042482	0.385693
	-0.13052	-2.04538	0.042352	0.385272
	0.185654	2.044997	0.04239	0.385417
	0.308174	2.050164	0.041877	0.383845
	0.161334	2.04544	0.042345	0.385272
UNC13B;STOML2;NOL6;VCP	0.141871	2.045405	0.042349	0.385272
	0.181813	2.048477	0.042044	0.38448
	0.212989	2.045471	0.042342	0.385272
	0.179049	2.047496	0.042141	0.384794
	-0.19983	-2.04407	0.042482	0.385693
	-0.13052	-2.04538	0.042352	0.385272
	0.185654	2.044997	0.04239	0.385417
	0.308174	2.050164	0.041877	0.383845
	0.161334	2.04544	0.042345	0.385272
	0.141871	2.045405	0.042349	0.385272

FHL3	-0.26361	-2.04369	0.04252	0.385796
RSG1	-0.27376	-2.04864	0.042027	0.384384
	-0.1484	-2.04771	0.04212	0.384697
	-0.34806	-2.0471	0.04218	0.384832
	-0.18435	-2.0449	0.0424	0.385451
	0.245521	2.045169	0.042372	0.38536
	0.276748	2.043352	0.042554	0.385881
	0.270057	2.049934	0.0419	0.383952
	0.276617	2.049525	0.04194	0.38405
	0.107814	2.047175	0.042173	0.384827
ENSG00000258699;TTC8;EFCAB11;ENSG00000258752	0.37611	2.048003	0.042091	0.384589
	-0.18204	-2.04848	0.042043	0.38448
	0.15801	2.045965	0.042293	0.385186
PARP12;SLC37A3	0.168549	2.047515	0.042139	0.384785
RAPGEFL1;ENSG00000264198;CCR7	-0.23872	-2.04422	0.042467	0.385645
	0.205529	2.048185	0.042073	0.384518
	0.202117	2.045972	0.042292	0.385186
	-0.20325	-2.03677	0.043217	0.387775
ENSG00000261003	0.33643	2.029705	0.043938	0.390074
	0.178754	2.044874	0.042402	0.385454
	-0.40368	-2.03645	0.043249	0.387863
ENSG00000218422	0.228349	2.0432	0.042569	0.385915
	0.114876	2.045794	0.04231	0.385215
	0.16964	2.043208	0.042568	0.385915
	0.208871	2.042575	0.042632	0.386123
RPL23AP32;CCDC88A	-0.24503	-2.04726	0.042164	0.384824
	0.214126	2.040326	0.042858	0.386744
TMEM176A;TMEM176B;ENSG00000260555	-0.14462	-2.04057	0.042833	0.386698
	0.276219	2.046521	0.042238	0.384997
	0.228359	2.048364	0.042055	0.384493
	-0.20485	-2.04741	0.042149	0.384811
	0.174137	2.046271	0.042263	0.385074
	-0.28484	-2.04648	0.042242	0.385
ENSG00000272505	-0.1929	-2.04753	0.042138	0.384782
	0.242912	2.04243	0.042646	0.386156
	-0.28044	-2.03819	0.043073	0.387453
ENSG00000267002;RPL27;EIF1;DHX8;LINC00910	0.135903	2.042876	0.042602	0.386031
PDCD6;LPCAT1;TPPP;SLC9A3;TRIP13;ENSG00000225138	-0.27115	-2.04333	0.042556	0.385881
	-0.19781	-2.04119	0.04277	0.386535
	0.20454	2.046917	0.042198	0.384874
	0.285755	2.046651	0.042225	0.384931
	-0.20476	-2.0457	0.04232	0.385246
	-0.27549	-2.04139	0.042751	0.386438
	-0.15535	-2.04553	0.042337	0.385264
	0.211998	2.048163	0.042075	0.384518
	-0.24859	-2.04617	0.042272	0.385119
	0.234981	2.042768	0.042612	0.386049

	-0.12101	-2.0401	0.04288	0.386786
	-0.27778	-2.04783	0.042108	0.384648
	-0.15763	-2.04199	0.04269	0.386295
	-0.32589	-2.04741	0.04215	0.384811
	0.24802	2.046679	0.042222	0.38493
	-0.19731	-2.04396	0.042493	0.385724
	0.215123	2.048237	0.042067	0.384517
	-0.16395	-2.045	0.042389	0.385417
	-0.21926	-2.04449	0.04244	0.385585
	0.087177	2.043533	0.042536	0.385821
KRT23;STAT5B;KRT13;FKBP10;KRT20;STAT5A;PTRF;KRT12;ATP6 VOA1	-0.32718	-2.0437	0.042519	0.385796
HMGN4;HIST1H4J	-0.19193	-2.04046	0.042844	0.386727
	-0.15178	-2.03878	0.043013	0.38729
	0.211691	2.046646	0.042225	0.384931
	-0.18953	-2.0386	0.043031	0.387355
ADAMTS2;GFPT2;FLT4;ENSG00000260841	-0.18346	-2.04466	0.042423	0.385519
	-0.20146	-2.04183	0.042706	0.386312
	0.270029	2.049052	0.041987	0.384239
ROBO4;TMEM218	0.276424	2.047218	0.042169	0.384824
	0.225274	2.044435	0.042446	0.385607
TMEM204	-0.20488	-2.04567	0.042323	0.385247
	-0.21018	-2.04723	0.042167	0.384824
COL1A1;NXPH3;ENSG00000248954;MYCBPAP;CACNA1G;TOB1- AS1;EPN3	0.189913	2.044778	0.042411	0.385493
	0.233697	2.034072	0.043491	0.388656
	0.218075	2.040102	0.04288	0.386786
	-0.28349	-2.0496	0.041932	0.384022
	0.257047	2.047721	0.042119	0.384697
LAMTOR1	0.169664	2.047015	0.042189	0.384845
	0.209445	2.046825	0.042208	0.384903
PRRT3;SRGAP3;ENSG00000206567	-0.23409	-2.0446	0.04243	0.385566
PDLIM7;COL23A1;FGFR4;LMAN2;DBN1	-0.32832	-2.04375	0.042514	0.385794
	0.19839	2.041842	0.042705	0.386312
	0.181459	2.043873	0.042502	0.385764
	0.217483	2.042757	0.042613	0.386049
	0.228997	2.042103	0.042679	0.386264
	0.153536	2.045307	0.042359	0.385283
	0.130085	2.044709	0.042418	0.385506
ZNF618;TNFSF15;BSPRY	0.152404	2.045988	0.042291	0.385183
AP1M2;ICAM1;COL5A3;S1PR5;KANK2;ZNF561;PDE4A;TMED1 ARID5A	0.221781	2.046316	0.042258	0.38507
	-0.27738	-2.0461	0.04228	0.385143
	0.177977	2.040895	0.0428	0.386578
ENSG00000264198;IKZF3;ERBB2;KRT20	0.344879	2.046262	0.042264	0.385074
RUVBL1;CHCHD6	-0.20421	-2.04679	0.042211	0.384903
PARVG	-0.19796	-2.04452	0.042438	0.385581



	0.238733	2.049547	0.041938	0.384046
	0.234376	2.045225	0.042367	0.385317
	0.215367	2.048301	0.042061	0.384493
	-0.19645	-2.04185	0.042705	0.386312
	0.183777	2.038357	0.043056	0.387416
TSSC1	0.262158	2.039551	0.042936	0.387073
MSI2;MKS1;SEPT4;TRIM37;PPM1E;AKAP1;RNF43	0.208514	2.041608	0.042729	0.386374
ALDH1A3	-0.27615	-2.04079	0.042811	0.386612
ENSG00000150076;CCDC7	-0.21447	-2.04432	0.042457	0.385631
ANXA4;ARHGAP25;PLEK;AAK1;CNRIP1;ENSG00000188971;WD				
R92	0.357662	2.047404	0.04215	0.384811
	-0.15234	-2.04554	0.042335	0.385264
	0.227254	2.045588	0.042331	0.385264
	-0.16031	-2.04323	0.042566	0.385915
	-0.2415	-2.04586	0.042303	0.385189
	0.195213	2.044905	0.042399	0.385451
GABBR1;PPP1R18;TRIM31;DDR1;NRM;TRIM26;DHX16;GNL1	0.264732	2.045369	0.042352	0.385272
	0.179259	2.042092	0.04268	0.386264
FMO5;CHD1L	-0.20795	-2.03812	0.04308	0.387462
MAP7;IL20RA	-0.27545	-2.03619	0.043275	0.387918
SHH;RBM33;RNF32	-0.26138	-2.03771	0.043122	0.38755
	-0.20015	-2.04524	0.042365	0.385312
	0.263401	2.044122	0.042477	0.385665
	0.186385	2.044235	0.042466	0.385645
ATP5SL	-0.16711	-2.03635	0.04326	0.387904
	0.198962	2.046001	0.04229	0.385183
	0.241191	2.045315	0.042358	0.385283
	0.240846	2.04072	0.042818	0.386655
	0.210648	2.047184	0.042172	0.384827
	0.107937	2.047447	0.042146	0.38481
	-0.16028	-2.04219	0.042671	0.386249
	0.174053	2.039372	0.042954	0.387089
	-0.25215	-2.04724	0.042167	0.384824
	0.164997	2.040576	0.042833	0.386698
MINOS1	0.296291	2.040648	0.042825	0.386698
	-0.14334	-2.03942	0.042949	0.387089
	0.195422	2.047718	0.042119	0.384697
RNU6-82P	0.204843	2.047839	0.042107	0.384647
	-0.29563	-2.04711	0.04218	0.384832
	0.219453	2.042088	0.042681	0.386264
	-0.18683	-2.04573	0.042317	0.385245
	-0.20165	-2.04525	0.042365	0.385312
RNU1-4;RNU1-2;PADI1;FBLIM1;SPEN	-0.19134	-2.04715	0.042175	0.384827
	0.15432	2.048489	0.042042	0.38448
	0.241844	2.045353	0.042354	0.385272
	0.120949	2.046544	0.042236	0.384991

CD34;PFKFB2	0.292411	2.043696	0.04252	0.385796
	0.14311	2.04412	0.042477	0.385665
USP6NL;SEC61A2	0.254129	2.040328	0.042858	0.386744
	-0.23054	-2.04406	0.042483	0.385693
	-0.2377	-2.04211	0.042679	0.386264
	0.271115	2.047151	0.042175	0.384827
	-0.18526	-2.04483	0.042406	0.385459
	0.180607	2.043636	0.042525	0.385815
	-0.16541	-2.04359	0.04253	0.385815
	-0.20862	-2.03947	0.042944	0.387089
	0.196501	2.045134	0.042376	0.385383
	0.232451	2.045372	0.042352	0.385272
HCP5;HLA-B;HLA-DRA;HLA-C;PPP1R10;VAR52	0.308248	2.046776	0.042212	0.384903
	-0.20361	-2.04455	0.042434	0.385576
	0.13231	2.042598	0.042629	0.386122
	-0.23432	-2.04753	0.042138	0.384782
	0.178279	2.043077	0.042581	0.385947
	0.173459	2.043563	0.042533	0.385821
CALHM2;C10orf32	-0.36241	-2.04706	0.042184	0.384838
	0.186149	2.046293	0.042261	0.38507
	0.338929	2.045885	0.042301	0.385186
	0.194099	2.049087	0.041983	0.384216
	0.253231	2.041945	0.042695	0.386312
	0.130393	2.038963	0.042995	0.387239
	0.25199	2.041679	0.042722	0.386372
	0.10408	2.041062	0.042784	0.38655
CD27	-0.21732	-2.04647	0.042243	0.385
GIMAP8;GIMAP6;GIMAP5;RARRES2;GIMAP7;REPIN1;NOS3	0.323079	2.046917	0.042198	0.384874
	-0.1428	-2.0401	0.04288	0.386786
	-0.18053	-2.04113	0.042777	0.386536
	0.361574	2.041885	0.042701	0.386312
KCNAB2	0.229289	2.04452	0.042437	0.385581
	0.188624	2.042318	0.042658	0.386185
	0.105676	2.047365	0.042154	0.384824
	-0.18901	-2.04109	0.042781	0.386545
	0.199019	2.041622	0.042727	0.386374
	0.223602	2.045373	0.042352	0.385272
PCSK1	0.217972	2.043629	0.042526	0.385815
ENSG00000224083	0.126119	2.040342	0.042856	0.386744
	0.252335	2.034951	0.043402	0.388374
	-0.15079	-2.04585	0.042304	0.385191
	-0.19469	-2.03813	0.043079	0.387462
	-0.18519	-2.04115	0.042775	0.386536
	-0.18297	-2.04586	0.042303	0.385189
RN7SKP237	-0.26753	-2.04651	0.042239	0.385
RRM2	-0.21402	-2.04877	0.042014	0.384338

	0.225717	2.04589	0.042301	0.385186
	-0.22361	-2.0455	0.04234	0.385272
	0.179389	2.043369	0.042552	0.385881
	0.163567	2.041089	0.042781	0.386545
	-0.11639	-2.03713	0.04318	0.387681
	-0.19647	-2.04507	0.042382	0.3854
PRH2	-0.42115	-2.03355	0.043544	0.38881
ENSG00000255565	-0.27936	-2.04469	0.04242	0.385515
ALS2CR12;ICA1L;NBEAL1;ENSG00000238770	0.240938	2.037795	0.043113	0.387528
SPSB1	-0.2706	-2.04864	0.042028	0.384384
	0.329164	2.0431	0.042579	0.385942
	-0.18017	-2.04344	0.042545	0.385859
	0.226716	2.046002	0.042289	0.385183
SLC31A1;ZNF618	-0.22627	-2.04695	0.042195	0.384865
	0.170573	2.045948	0.042295	0.385186
	-0.25085	-2.0415	0.04274	0.3864
	0.222918	2.04333	0.042556	0.385881
	-0.30561	-2.04181	0.042708	0.386315
	0.200833	2.041671	0.042722	0.386372
ENSG00000249921	0.301632	2.040981	0.042792	0.386566
	0.155002	2.043734	0.042516	0.385794
HSD17B8;UQCC2;TAP2;TAPBP	0.236528	2.044833	0.042406	0.385459
NDRG1;WISP1;LRRC6;TG	-0.23211	-2.0404	0.04285	0.386739
TNXB;SLC44A4;NOTCH4;DDAH2;VWA7;PSMB8;C6orf10	0.245058	2.045045	0.042385	0.385406
ENSG00000261550	-0.38067	-2.03536	0.04336	0.38816
	0.223503	2.042795	0.04261	0.386049
	-0.24338	-2.04156	0.042734	0.386385
WDR45B;RAB40B;PCYT2;C17orf62;SLC25A10	-0.24537	-2.04573	0.042316	0.385245
	0.164887	2.044011	0.042488	0.385714
FAM86C2P;ALDH3B1;UNC93B1;PITPNM1;ALG1L8P;CCS;ENSG0000255306;ENSG00000251637;ENSG00000254610;CTSF;AIP;C11orf24	-0.1011	-2.04129	0.042761	0.386489
	0.272347	2.04223	0.042666	0.386216
	-0.17548	-2.04303	0.042586	0.385972
LPCAT1;SLC9A3;ENSG00000188242	-0.35809	-2.03584	0.043311	0.388034
NADK	0.178005	2.038595	0.043032	0.387355
	-0.18617	-2.04372	0.042517	0.385794
EHBP1	0.220993	2.044366	0.042453	0.385631
PTGIS;PAR6B;SNAI1;CEBPB	-0.30605	-2.04346	0.042543	0.385858
DCTN1	-0.24177	-2.03731	0.043162	0.387666
	0.178879	2.042591	0.04263	0.386122
	-0.34388	-2.04213	0.042676	0.386264
NCKAP1L	-0.25882	-2.04666	0.042224	0.384931
	-0.13259	-2.04481	0.042408	0.38547
	-0.21201	-2.0469	0.0422	0.384876
ECE2	0.314126	2.042762	0.042613	0.386049
	-0.13825	-2.03722	0.043172	0.387679

ENSG00000216809	-0.26462	-2.04545	0.042344	0.385272
	0.192053	2.036979	0.043196	0.387694
	0.134211	2.041906	0.042699	0.386312
	0.238548	2.042986	0.042591	0.385998
	0.196919	2.045015	0.042388	0.385417
	-0.17454	-2.04245	0.042645	0.386156
	0.185744	2.04124	0.042766	0.386502
MUS81;LTBP3;TM7SF2;CCS;EFEMP2;NRXN2	0.255933	2.042775	0.042612	0.386049
	0.249848	2.039451	0.042946	0.387089
	-0.20708	-2.03763	0.04313	0.38755
	-0.22619	-2.04354	0.042535	0.385821
	0.180958	2.041461	0.042744	0.386416
	-0.29644	-2.04485	0.042404	0.385459
	-0.30708	-2.03727	0.043167	0.387668
LSG1	0.219876	2.041242	0.042766	0.386502
ENSG00000262003;ENSG00000262133;SCARF1;YWHAE;PITPN A;ENSG00000263017	0.199199	2.044543	0.042435	0.385576
	-0.23036	-2.04379	0.04251	0.385794
	0.233853	2.045281	0.042361	0.385294
	-0.32062	-2.04374	0.042515	0.385794
	0.27098	2.046316	0.042258	0.38507
	-0.32382	-2.04816	0.042075	0.384518
	0.217382	2.045609	0.042329	0.385256
ENSG00000225417 RNF213	-0.45107	-2.04422	0.042467	0.385645
	0.27822	2.043565	0.042533	0.385821
	0.185503	2.037024	0.043191	0.387694
	0.184117	2.043452	0.042544	0.385859
	-0.13936	-2.03981	0.042909	0.38691
	-0.30283	-2.03983	0.042907	0.386905
	-0.12837	-2.04236	0.042653	0.386156
HOXA3	-0.15425	-2.03786	0.043106	0.387524
	-0.1722	-2.04007	0.042884	0.386786
	-0.15285	-2.0402	0.04287	0.386786
	-0.18216	-2.04591	0.042298	0.385186
	-0.39621	-2.04041	0.042849	0.386739
	-0.20263	-2.03828	0.043064	0.387425
	-0.18471	-2.0408	0.04281	0.386612
ACTR1A	0.260389	2.045992	0.04229	0.385183
	-0.18177	-2.04183	0.042707	0.386312
	0.28537	2.044118	0.042477	0.385665
	-0.19374	-2.04066	0.042824	0.386698
	0.12714	2.041588	0.042731	0.386374
	-0.14089	-2.03563	0.043333	0.388083
	0.198219	2.0415	0.04274	0.3864
TACC1;FGFR1;GPR124	0.199394	2.044742	0.042415	0.385501
	-0.19914	-2.03688	0.043205	0.387738
	0.22655	2.039866	0.042904	0.386885
NPM3;ACTR1A;RNU2-59P				
NXPH3				
WFDC1;CRISPLD2;KIAA0513;ENSG00000260228				

	0.268819	2.044325	0.042457	0.385631
	0.140533	2.042749	0.042614	0.386049
C1QBP	0.125563	2.042409	0.042648	0.386156
	0.220134	2.042362	0.042653	0.386156
MEI1;TOB2	0.280701	2.045927	0.042297	0.385186
SLC5A7;GCC2;SULT1C4;CCDC138	0.273848	2.038731	0.043019	0.38729
	-0.38249	-2.04089	0.042801	0.386578
CLDN7;ATP1B2;SLC2A4;NLGN2;MIR497HG;WSCD1;BCL6B;MPD				
U1;CHD3;TNFSF12;DVL2;ZBTB4	0.193493	2.042438	0.042646	0.386156
	-0.24167	-2.04226	0.042663	0.386194
HYDIN;ENSG00000262890;ENSG00000259833;IL34;ENSG0000				
0260156;WWP2;ENSG00000259798;CLEC18A;EXOSC6	-0.27032	-2.04497	0.042392	0.385428
	-0.27428	-2.04433	0.042456	0.385631
	-0.24137	-2.0431	0.042579	0.385942
	0.242507	2.045102	0.042379	0.385387
	-0.26955	-2.04333	0.042556	0.385881
	-0.16987	-2.04053	0.042837	0.386698
	-0.16733	-2.04289	0.0426	0.386031
	0.19241	2.041143	0.042776	0.386536
	-0.23311	-2.03813	0.04308	0.387462
	-0.1881	-2.03912	0.042979	0.387218
	0.255554	2.042173	0.042672	0.386252
	-0.164	-2.03891	0.043	0.387239
	0.177391	2.036001	0.043295	0.387979
	-0.18229	-2.03176	0.043727	0.389388
	0.232638	2.03842	0.04305	0.387402
	0.13177	2.043975	0.042492	0.385721
	-0.27127	-2.04455	0.042434	0.385576
	0.176917	2.037125	0.043181	0.387681
	0.189243	2.038462	0.043046	0.387402
COL4A2;COL4A1	0.338648	2.043747	0.042514	0.385794
ICAM1;AP1M2	0.3589	2.040348	0.042855	0.386744
	0.204245	2.041496	0.04274	0.3864
	-0.1584	-2.04215	0.042674	0.386264
FAM41C;TUBB8P11	0.292309	2.041503	0.042739	0.3864
	-0.15955	-2.04492	0.042398	0.385449
	0.125713	2.043592	0.04253	0.385815
	-0.17076	-2.0429	0.042599	0.386031
CPE	0.234817	2.034096	0.043489	0.388656
	0.19985	2.036278	0.043267	0.387904
	-0.32604	-2.04206	0.042683	0.386268
	0.205396	2.043106	0.042579	0.385942
	0.232679	2.046095	0.04228	0.385143
	-0.19889	-2.03679	0.043215	0.38777
	0.211545	2.041061	0.042784	0.38655
TRAC	-0.28401	-2.0444	0.042449	0.385624

SEC61G TMEM255B;F10	-0.27962	-2.04298	0.042592	0.385998
	0.102586	2.030608	0.043846	0.389745
	0.182238	2.039363	0.042955	0.387089
	-0.18265	-2.04243	0.042646	0.386156
	-0.29805	-2.04097	0.042792	0.386566
	-0.17826	-2.03018	0.04389	0.38993
	-0.20382	-2.04476	0.042414	0.385496
	0.203569	2.042047	0.042685	0.386268
	-0.19186	-2.04442	0.042448	0.385616
	0.220354	2.042757	0.042613	0.386049
	-0.17454	-2.04496	0.042393	0.385428
	-0.2629	-2.04161	0.042729	0.386374
	0.155333	2.043592	0.04253	0.385815
	0.249847	2.045446	0.042345	0.385272
	0.181926	2.033284	0.043572	0.388852
GABBR1;TRIM31;PPP1R18	0.298299	2.044758	0.042413	0.385496
	-0.22256	-2.03812	0.04308	0.387462
	0.233999	2.041545	0.042735	0.386388
	-0.17714	-2.03975	0.042916	0.386932
	-0.19658	-2.04473	0.042417	0.385504
LPL;SH2D4A;CSGALNACT1 DSCR3	0.239026	2.038909	0.043001	0.387239
	-0.34333	-2.04061	0.042829	0.386698
	0.218842	2.042567	0.042633	0.386123
	0.252309	2.042493	0.04264	0.386156
	0.183195	2.029064	0.044004	0.390223
	0.256509	2.045435	0.042346	0.385272
	0.185008	2.042876	0.042602	0.386031
	0.158304	2.037777	0.043115	0.387536
	0.163876	2.040913	0.042799	0.386578
	-0.18756	-2.04247	0.042642	0.386156
	-0.10595	-2.03925	0.042966	0.387148
	-0.23317	-2.03951	0.04294	0.387074
	0.178062	2.046115	0.042278	0.385143
	0.29788	2.044258	0.042463	0.385637
	0.127477	2.038623	0.043029	0.387355
ISLR;SCAMP2;STRA6	0.209711	2.036787	0.043215	0.38777
	0.152593	2.041697	0.04272	0.386365
	-0.25279	-2.03566	0.043329	0.388076
PDGFRB;SYNPO;CSNK1A1;HMGXB3;ANXA6;ARSI;MYOZ3;NDST1	-0.2272	-2.02852	0.044061	0.390425
	-0.14819	-2.03716	0.043178	0.387681
	0.26584	2.04178	0.042712	0.386322
OAT	-0.23079	-2.03781	0.043112	0.387524
	0.240443	2.044013	0.042488	0.385714
SLAMF8	-0.14524	-2.03683	0.043211	0.38777
ROBO4	0.244724	2.041901	0.042699	0.386312
	-0.23082	-2.0442	0.042469	0.385645

	0.212512	2.0427	0.042619	0.386084
	-0.17746	-2.04183	0.042707	0.386312
NPR1;JTB;ATP8B2;S100A6;C1orf43;GATAD2B;ILF2	-0.27519	-2.03829	0.043063	0.387425
	0.278963	2.038892	0.043002	0.387239
HN1;TTYH2	0.296644	2.043541	0.042535	0.385821
MARVELD1;HPSE2;SFRP5;ZFYVE27	0.235352	2.036812	0.043213	0.38777
WDR45B;TBCD;PCYT2	-0.35035	-2.04044	0.042846	0.386732
	-0.21451	-2.03926	0.042965	0.387148
GNA14	-0.15707	-2.04261	0.042629	0.386122
	0.14201	2.037392	0.043154	0.387617
HK2	0.190374	2.03432	0.043466	0.388591
LIG4	0.280817	2.043505	0.042539	0.385836
COL6A3;ACKR3;HES6;RAB17;RBM44;MLPH	0.181051	2.037379	0.043155	0.387617
PPP4R1L	-0.20515	-2.04143	0.042746	0.386419
	-0.25866	-2.04472	0.042417	0.385504
	-0.18498	-2.04209	0.04268	0.386264
BDH1	0.347522	2.041428	0.042747	0.386419
PIK3C2B	0.245044	2.043126	0.042577	0.385942
	-0.2506	-2.03889	0.043002	0.387239
FARP1	-0.26913	-2.03846	0.043046	0.387402
	-0.20493	-2.03377	0.043522	0.388735
	-0.1794	-2.04317	0.042572	0.385916
	-0.24577	-2.03467	0.04343	0.388507
MAP3K5	-0.26457	-2.03346	0.043554	0.388832
	-0.23813	-2.03448	0.04345	0.388584
WDR45B;BAIAP2;PCYT2;NOTUM;MAFG- AS1;SLC25A10;C17orf62	-0.34919	-2.04033	0.042857	0.386744
	-0.2485	-2.03863	0.043028	0.387355
BIK;MCAT;ARFGAP3;SCUBE1	0.172773	2.039291	0.042962	0.387138
MATN3	-0.1556	-2.03748	0.043145	0.387559
	-0.36162	-2.04036	0.042854	0.386744
	0.277583	2.041004	0.042789	0.386566
	0.173224	2.040035	0.042887	0.386802
	-0.1503	-2.0413	0.042759	0.386489
	0.275868	2.042049	0.042684	0.386268
	0.278454	2.03434	0.043464	0.388591
	0.184316	2.040239	0.042866	0.386786
	0.143354	2.043617	0.042527	0.385815
	-0.38485	-2.0432	0.042569	0.385915
	0.236344	2.04013	0.042877	0.386786
	-0.25921	-2.0404	0.04285	0.386739
	-0.21253	-2.03768	0.043125	0.38755
GPR146;ENSG00000240859;PSMG3	-0.23448	-2.04323	0.042567	0.385915
	0.174225	2.035654	0.04333	0.388076
	0.203553	2.039026	0.042989	0.387232
	0.190243	2.037849	0.043108	0.387524
	-0.27975	-2.03987	0.042904	0.386885

PRDM6	0.119763	2.041609	0.042729	0.386374
	0.26194	2.040941	0.042796	0.386577
	-0.23783	-2.03952	0.042939	0.387074
ZNF649	-0.16942	-2.04328	0.042561	0.385898
SNRPF	0.171232	2.03818	0.043074	0.387455
C1orf56;RPRD2;GABPB2	-0.17967	-2.04199	0.04269	0.386295
NRXN2;SIPA1;PPP2R5B	0.30335	2.043916	0.042498	0.385754
GTF2E2;GSR	-0.37789	-2.03873	0.043019	0.38729
NAP1L4	0.204992	2.03665	0.043229	0.387805
FGGY;OMA1	0.270829	2.040624	0.042828	0.386698
	-0.3404	-2.03315	0.043586	0.388887
	-0.29964	-2.03532	0.043365	0.388172
GGT5	-0.21498	-2.04624	0.042266	0.385081
ST3GAL2;IL34;MARVELD3;ENSG00000260156;MTSS1L;ZNF19	0.234619	2.043732	0.042516	0.385794
	0.220286	2.03906	0.042985	0.387232
	0.213474	2.04266	0.042623	0.386112
	-0.11653	-2.03508	0.043389	0.388322
	-0.23349	-2.04191	0.042699	0.386312
	0.198348	2.044262	0.042463	0.385637
GJC1;GPATCH8;EFTUD2;ENSG00000267505;FZD2;HIGD1B;KAN SL1;ENSG00000267405;MAP3K14 C11orf1;DLAT;MIR34C;PTS	-0.28555	-2.04283	0.042606	0.386049
	-0.30081	-2.0429	0.042599	0.386031
	0.320523	2.044378	0.042451	0.385631
TBX2;TBX4;ENSG00000267137;ENSG00000267280	0.182438	2.040029	0.042888	0.386802
	0.223497	2.031215	0.043783	0.3896
	-0.21596	-2.03755	0.043138	0.387559
CSMD1	-0.2701	-2.03807	0.043085	0.387485
	-0.1652	-2.039	0.042992	0.387236
	-0.29233	-2.04187	0.042703	0.386312
AGTRAP;FBXO6;APITD1;UBE4B;FBXO44 MRPL34	0.196544	2.03999	0.042891	0.386821
	-0.21098	-2.03671	0.043223	0.387801
	-0.33521	-2.04064	0.042826	0.386698
	0.165739	2.034491	0.043449	0.388582
	0.152644	2.042866	0.042603	0.386031
	0.157204	2.036241	0.043271	0.387904
	0.252536	2.043769	0.042512	0.385794
	-0.16209	-2.0356	0.043336	0.388083
	-0.20955	-2.04135	0.042755	0.386471
	-0.21949	-2.03797	0.043096	0.387509
	-0.23074	-2.0379	0.043102	0.387524
	0.13833	2.038611	0.043031	0.387355
	0.217946	2.041702	0.042719	0.386365
	-0.13205	-2.03783	0.04311	0.387524
	-0.13853	-2.04124	0.042765	0.386502
	0.18896	2.037815	0.043111	0.387524
	0.191947	2.039244	0.042967	0.387148



	-0.17698	-2.04117	0.042773	0.386536
	0.123943	2.040124	0.042878	0.386786
	-0.16017	-2.03904	0.042987	0.387232
MACC1;ITGB8;MACC1-AS1	0.262879	2.04061	0.042829	0.386698
RUNX3;ENSG00000229162;PAQR7	0.33439	2.040148	0.042876	0.386786
	-0.18413	-2.03659	0.043236	0.387811
ENSG00000260337	0.265699	2.040554	0.042835	0.386698
	0.312978	2.03857	0.043035	0.38736
	-0.12595	-2.04008	0.042883	0.386786
SNTB2;TANGO6;SMPD3;CDH1;NQO1	0.239396	2.043239	0.042565	0.385915
IRX2	0.333391	2.043298	0.042559	0.385898
	0.186206	2.040565	0.042834	0.386698
	-0.23293	-2.0399	0.0429	0.386874
	-0.37892	-2.03091	0.043815	0.389662
	-0.21701	-2.04017	0.042873	0.386786
	0.112014	2.038427	0.043049	0.387402
	-0.1842	-2.04114	0.042776	0.386536
RING1;TAP2	-0.16487	-2.03795	0.043097	0.387517
	0.250775	2.036004	0.043295	0.387979
	0.176699	2.03675	0.043219	0.387786
PADI1;RCC2	0.261176	2.038574	0.043034	0.38736
	0.119376	2.03641	0.043254	0.387876
PIGN	-0.21727	-2.03672	0.043222	0.387797
	0.169753	2.038249	0.043067	0.387425
	-0.21723	-2.04055	0.042835	0.386698
	0.168826	2.042035	0.042686	0.386271
NCKAP1L;KRT4;ITGB7	0.182863	2.039414	0.04295	0.387089
	0.238097	2.036198	0.043275	0.387918
GAB1	0.304314	2.033083	0.043592	0.388912
	-0.2914	-2.03853	0.043039	0.387368
	-0.20188	-2.03768	0.043125	0.38755
	0.21463	2.042592	0.04263	0.386122
	-0.15576	-2.03781	0.043112	0.387524
	0.187073	2.036033	0.043292	0.387975
RIPK4;SLC37A1;PDE9A;TMPRSS2;MX1;FAM3B;MX2	-0.20022	-2.03457	0.04344	0.38854
	-0.29587	-2.03892	0.042999	0.387239
JRKL	-0.37428	-2.03791	0.043102	0.387524
	0.186447	2.030611	0.043845	0.389745
ENSG00000225670;PEA15;ATP1A2;CADM3	0.202024	2.040243	0.042866	0.386786
	0.234656	2.038208	0.043071	0.387453
	-0.1955	-2.03721	0.043173	0.387681
ULK4;ZBTB47;TRAK1	-0.32164	-2.03564	0.043331	0.388076
HLA-F;SCAND3;TRIM27;HCG14;TRIM39;HLA-E;HLA-A	0.232693	2.036413	0.043253	0.387876
	0.246003	2.03555	0.043341	0.388083
	0.282965	2.038048	0.043088	0.387493
	-0.26086	-2.0425	0.04264	0.386156
	-0.1654	-2.04298	0.042591	0.385998

	0.154611	2.037647	0.043128	0.38755
	-0.25438	-2.0424	0.042649	0.386156
	0.208557	2.038621	0.04303	0.387355
	-0.2355	-2.03836	0.043056	0.387416
BCL10;MCOLN3	-0.22962	-2.03937	0.042954	0.387089
	0.163131	2.040612	0.042829	0.386698
	0.293053	2.041164	0.042773	0.386536
	-0.39575	-2.04304	0.042585	0.38597
	0.144515	2.040097	0.042881	0.386786
	0.220427	2.040991	0.042791	0.386566
ZNF793;ZNF781;ZNF529;ZNF571-AS1	-0.18466	-2.04083	0.042807	0.386612
PRKCH	-0.25351	-2.03587	0.043308	0.388032
FUOM;LRRC27;TTC40	-0.18088	-2.0344	0.043458	0.388591
TACR2	-0.21607	-2.03882	0.04301	0.38729
	-0.16315	-2.03698	0.043196	0.387694
TMEM132C	0.228048	2.038963	0.042995	0.387239
CCDC13;SEC22C;ZBTB47;POMGNT2;HHATL	-0.20642	-2.03159	0.043745	0.389448
	0.261602	2.039428	0.042948	0.387089
HSPA8	-0.24851	-2.0382	0.043072	0.387453
	0.256325	2.038774	0.043014	0.38729
SMPD2;CD164;PPIL6;SNX3;AK9	-0.30741	-2.03682	0.043212	0.38777
MFNG;IL2RB;C22orf23	-0.25619	-2.04239	0.04265	0.386156
	0.206578	2.038434	0.043048	0.387402
SMIM22;CDIP1;GLIS2;C16orf71	-0.17186	-2.041	0.04279	0.386566
	0.148415	2.037985	0.043094	0.387503
	0.323453	2.041625	0.042727	0.386374
	0.260547	2.039532	0.042938	0.387074
	0.197574	2.040971	0.042793	0.386566
	0.185323	2.038405	0.043051	0.387402
ACAP1	-0.27636	-2.04246	0.042643	0.386156
	-0.19341	-2.03994	0.042897	0.386859
	-0.17616	-2.03489	0.043408	0.388386
	0.124022	2.040173	0.042873	0.386786
MYH10;ARHGEF15;NLGN2;ATP1B2;TNFSF12;MPDU1;VAMP2;P				
ER1;CYB5D1;CTC1	-0.30125	-2.04147	0.042743	0.386416
	0.210798	2.039908	0.0429	0.386874
GRASP;ACVRL1;TENC1;KRT18;POU6F1;KRT80;ACVR1B;SMAGP;				
KRT8	-0.27448	-2.03698	0.043196	0.387694
SERINC2	-0.88806	-2.04342	0.042547	0.385864
	0.195201	2.032291	0.043673	0.389166
	0.112095	2.03799	0.043093	0.387503
	-0.21609	-2.03934	0.042957	0.387101
	-0.17749	-2.03885	0.043006	0.387267
UBA2	0.144381	2.043531	0.042536	0.385821
CD6;CD5	-0.25265	-2.04089	0.042801	0.386578
TEX41	-0.17691	-2.03974	0.042916	0.386932
	0.498662	2.037276	0.043166	0.387668

DIRC3;IGFBP2;ENSG00000224414;RPL7L1P9	0.190901	2.036085	0.043286	0.38796
	0.309071	2.040787	0.042811	0.386612
	-0.31827	-2.03763	0.04313	0.38755
	0.138544	2.04198	0.042691	0.386296
	-0.30204	-2.04045	0.042845	0.386728
ABHD17C;ZFAND6	0.212519	2.03977	0.042914	0.386929
	-0.14094	-2.03912	0.042979	0.387218
	-0.29788	-2.0418	0.04271	0.386321
	0.156908	2.034622	0.043435	0.388519
	0.273392	2.034516	0.043446	0.388567
PSD4;IL1B	-0.19386	-2.04229	0.04266	0.386191
	0.127722	2.03722	0.043171	0.387679
	0.246777	2.037984	0.043094	0.387503
	-0.259	-2.03927	0.042964	0.387147
	0.166473	2.030833	0.043823	0.389668
SLC2A12	-0.31083	-2.03112	0.043793	0.389632
	0.246211	2.036486	0.043246	0.387863
	-0.1912	-2.03749	0.043144	0.387559
	-0.15494	-2.04018	0.042872	0.386786
	-0.28105	-2.03624	0.043271	0.387904
ACACB;WSCD2;ENSG00000256139;KCTD10;TMEM119	-0.23609	-2.0375	0.043143	0.387559
C1orf95;ENSG00000234478;H3F3A;ITPKB	-0.17673	-2.03407	0.043491	0.388656
FAM211A-AS1	-0.32274	-2.0327	0.043631	0.389045
GALNT10;GRIA1	0.207023	2.034876	0.043409	0.388386
VAPA	-0.26505	-2.03729	0.043165	0.387668
	0.198097	2.038015	0.043091	0.387503
	-0.37299	-2.03937	0.042954	0.387089
	-0.25617	-2.0333	0.04357	0.388852
	-0.22946	-2.03907	0.042984	0.387232
LHFP	0.278853	2.036655	0.043229	0.387805
TNFSF14;ENSG00000263264	-0.26426	-2.03903	0.042988	0.387232
	0.272503	2.038062	0.043086	0.387489
	-0.13942	-2.03575	0.043321	0.388058
	-0.19284	-2.04054	0.042836	0.386698
	-0.14351	-2.02404	0.044525	0.391828
C22orf34;MAPK12	-0.22851	-2.03752	0.043141	0.387559
TSEN54;FBF1;SLC16A5	-0.26363	-2.03606	0.043289	0.38797
	-0.46698	-2.03917	0.042975	0.38721
	0.247627	2.040287	0.042862	0.386771
	0.178764	2.041607	0.042729	0.386374
	0.228078	2.033076	0.043593	0.388912
MED18;TMEM200B;ATPIF1	0.263152	2.037062	0.043187	0.387682
	-0.19731	-2.03363	0.043536	0.388795
	0.206116	2.037618	0.043131	0.38755
	0.198267	2.041138	0.042776	0.386536
	-0.33321	-2.03712	0.043181	0.387681
	0.162168	2.040486	0.042842	0.386713

	-0.16334	-2.03481	0.043416	0.388424
	0.17195	2.036294	0.043265	0.387904
	0.255966	2.030731	0.043833	0.389688
PADI1;NECAP2;MST1L;ENSG00000238142	-0.20956	-2.04095	0.042794	0.386574
	-0.23536	-2.04092	0.042798	0.386578
	0.246041	2.037827	0.04311	0.387524
FBXW10;MIEF2;TRIM16L;LRRC48	-0.23821	-2.03574	0.043322	0.388058
INPP5A;LRRC27	-0.24105	-2.02278	0.044656	0.39212
CELSR2;GPSM2;C1orf194;STRIP1;KCNC4;GSTM3;GSTM5;GSTM4;ATXN7L2;LAMTOR5-AS1;SORT1;ENSG00000258634;SCARNA2;SYPL2;PSMA5;PSRC1	-0.27719	-2.03972	0.042919	0.386942
	0.17227	2.038809	0.043011	0.38729
	0.248605	2.036178	0.043277	0.387924
	0.279151	2.038252	0.043067	0.387425
	0.170903	2.042365	0.042653	0.386156
	0.199583	2.036331	0.043261	0.387904
	0.170164	2.038432	0.043049	0.387402
RPS21	-0.18388	-2.03585	0.04331	0.388034
	-0.17296	-2.03596	0.043299	0.388006
	-0.12663	-2.03551	0.043345	0.388088
IL10RA;AMICA1;CBL;CD3G;RPL5P30;PDZD3;PCSK7;CD3E;DSCAML1	0.293036	2.039378	0.042953	0.387089
	0.216228	2.035013	0.043395	0.388345
	-0.2787	-2.04007	0.042883	0.386786
RASAL3	-0.21493	-2.04001	0.04289	0.386815
	0.225926	2.038365	0.043056	0.387416
	-0.15973	-2.03894	0.042997	0.387239
GRIK5;CEACAM6;CXCL17;ENSG00000268833	0.23127	2.038257	0.043066	0.387425
	0.240532	2.029163	0.043994	0.390197
NTM	0.22722	2.034903	0.043407	0.388386
	0.299998	2.033831	0.043516	0.388716
	-0.13242	-2.03758	0.043135	0.387551
EPHX2	-0.22839	-2.03757	0.043136	0.387551
ENSG00000233478	0.272232	2.029662	0.043943	0.390074
	-0.12683	-2.03329	0.043571	0.388852
	0.121556	2.032908	0.04361	0.388947
	-0.21952	-2.04207	0.042683	0.386268
NUP37	-0.26725	-2.03788	0.043105	0.387524
ADARB1;ENSG00000268805	-0.17865	-2.03575	0.043321	0.388058
	-0.22907	-2.03911	0.042981	0.387225
ABCA12;MREG	-0.43724	-2.03576	0.043319	0.388058
	0.200506	2.041756	0.042714	0.386336
	-0.13318	-2.03003	0.043905	0.389965
	-0.35842	-2.03728	0.043166	0.387668
ACAP2-IT1	0.153322	2.037089	0.043185	0.387682
FAM83H;MIR4664;FAM83H-AS1;ENSG00000254973	-0.35847	-2.03879	0.043012	0.38729

DUSP14;SRCIN1;HNF1B;PLXDC1;ACACA	0.312531	2.036036	0.043291	0.387975
	-0.31914	-2.03784	0.043109	0.387524
	0.185441	2.031055	0.0438	0.389662
	-0.13889	-2.03249	0.043653	0.389077
	0.17503	2.033155	0.043585	0.388887
MAN2B1	0.255507	2.037929	0.0431	0.387524
	0.116798	2.032771	0.043624	0.388996
	0.314727	2.03123	0.043782	0.3896
	0.198468	2.038169	0.043075	0.387457
	0.115802	2.037994	0.043093	0.387503
FNIP2;RXFP1	-0.18154	-2.03434	0.043464	0.388591
	0.260435	2.037099	0.043184	0.387682
	-0.15711	-2.03704	0.04319	0.387694
	0.179992	2.037631	0.04313	0.38755
	0.162433	2.034747	0.043422	0.388462
MCTP1	-0.13181	-2.03508	0.043389	0.388322
	0.153141	2.036128	0.043282	0.387945
	-0.35543	-2.02698	0.044219	0.390968
	0.253851	2.037155	0.043178	0.387681
	-0.15078	-2.0369	0.043204	0.387737
ZBP1	-0.33571	-2.04131	0.042759	0.386489
	0.341972	2.041427	0.042747	0.386419
HLA-E;HCP5;HLA-B;PPP1R10;PPP1R18	-0.27683	-2.03443	0.043454	0.388589
	-0.18995	-2.03573	0.043323	0.38806
EML1;WARS;DEGS2;EVL;CCDC85C;SETD3	0.237444	2.036285	0.043266	0.387904
	-0.23217	-2.03875	0.043017	0.38729
	-0.20554	-2.03954	0.042937	0.387074
SH2D2A	-0.23217	-2.03866	0.043025	0.387342
	0.160229	2.039158	0.042975	0.38721
PTP4A3;DENND3	-0.11144	-2.04036	0.042855	0.386744
	0.097533	2.029987	0.043909	0.389994
LAT2;GTF2IRD2P1	-0.22413	-2.02825	0.044089	0.390508
	0.28658	2.040519	0.042838	0.386698
FOXJ2;CLSTN3;LRRC23;LEPREL2;RBP5;C1R;C1RL-AS1;GPR162	-0.25494	-2.02707	0.04421	0.390959
	0.332122	2.042586	0.042631	0.386122
	0.4696	2.040512	0.042839	0.386698
BCL11B;EVL	0.11385	2.036277	0.043267	0.387904
	0.302665	2.035395	0.043357	0.38816
	-0.25404	-2.03403	0.043496	0.388661
SOX12;NSFL1C	0.266076	2.041421	0.042748	0.386419
	-0.26188	-2.03762	0.043131	0.38755
	-0.18993	-2.03982	0.042909	0.38691
	-0.22639	-2.0333	0.04357	0.388852
	-0.26666	-2.02966	0.043943	0.390074
	0.230714	2.035341	0.043362	0.38816
	0.115881	2.039008	0.042991	0.387236

ISLR;SCAMP2;CSPG4;COX5A;CSK;SNX33;CYP1A1 SKI;CEP104;MEGF6;RER1;MORN1;ENSG00000269896;TP73- AS1;C1orf222;LINC01134	-0.29216	-2.02172	0.044766	0.392408
	-0.28466	-2.03378	0.043521	0.388735
ULK1	0.212633	2.030229	0.043885	0.389908
	0.186681	2.03661	0.043233	0.387811
	-0.24082	-2.0397	0.042921	0.386958
	0.256004	2.037225	0.043171	0.387679
	0.233541	2.031782	0.043725	0.389378
	0.24858	2.035901	0.043305	0.388022
GOLT1B;RECQL ANO2;LEPREL2;IFFO1;VWF;SCNN1A;CD9;CLSTN3;RBP5;GNB3;E NSG00000257084;NTF3;ATN1;MRPL51;TPI1 ENTPD1;PIK3AP1	0.21468	2.038456	0.043046	0.387402
	-0.1525	-2.03466	0.043431	0.388509
	-0.25525	-2.03808	0.043084	0.387485
	0.18694	2.038124	0.04308	0.387462
	0.306094	2.037766	0.043116	0.387537
	-0.13643	-2.03412	0.043486	0.388656
	0.269836	2.033039	0.043597	0.38893
	0.146062	2.036507	0.043244	0.387853
	-0.1836	-2.03565	0.043331	0.388076
PRKAR2A;MAP4;DALRD3;UQCRC1;FCF1P2;LAMB2;NME6;DHX3 0;NDUFAF3;TMA7;KIF9;P4HTM;QARS;C3orf62;PTPN23;SMARC C1 LRRC8D	-0.26364	-2.03339	0.043561	0.388832
	-0.18101	-2.02975	0.043934	0.390074
	0.187267	2.032679	0.043633	0.389046
	-0.24871	-2.034	0.043499	0.388673
C11orf88;BTG4;BCO2;MIR34C;POU2AF1;ENSG00000255093;PI H1D2;ENSG00000254980;ENSG00000255428;COLCA2;DIXDC1	0.272272	2.035928	0.043302	0.388022
	-0.29698	-2.03978	0.042913	0.386929
	0.195573	2.04085	0.042805	0.386603
	0.237811	2.036235	0.043271	0.387904
	-0.26551	-2.03876	0.043015	0.38729
	-0.18303	-2.03496	0.0434	0.388374
	0.149844	2.036596	0.043235	0.387811
	0.218284	2.037157	0.043178	0.387681
	0.226326	2.032503	0.043651	0.389077
	0.232371	2.033477	0.043552	0.388831
	0.395798	2.033207	0.04358	0.388887
	-0.1642	-2.04018	0.042873	0.386786
	0.133543	2.036894	0.043204	0.387737
	-0.1748	-2.03436	0.043461	0.388591
	-0.24538	-2.03543	0.043353	0.38814
	-0.25414	-2.03553	0.043342	0.388083
	-0.16208	-2.03784	0.043108	0.387524
	-0.15793	-2.03751	0.043142	0.387559
	-0.15656	-2.03405	0.043494	0.388661
	-0.15938	-2.03319	0.043582	0.388887

	-0.25082	-2.03351	0.043548	0.388831
	0.205571	2.035832	0.043312	0.388036
RABL2A	-0.1724	-2.03164	0.04374	0.389421
	-0.16695	-2.0383	0.043062	0.387425
	-0.22293	-2.03338	0.043562	0.388832
	-0.15969	-2.03567	0.043328	0.388076
	0.229818	2.024064	0.044522	0.391828
DZANK1;C20orf26;ENSG00000225417;GCNT1P1	0.282567	2.040511	0.042839	0.386698
KIF7;CRTC3;TICRR	-0.34339	-2.03903	0.042988	0.387232
	0.227049	2.031479	0.043756	0.389496
	-0.34037	-2.03763	0.04313	0.38755
	0.236124	2.034379	0.04346	0.388591
	0.198418	2.02825	0.044088	0.390508
	-0.22858	-2.04058	0.042833	0.386698
	0.211683	2.035657	0.04333	0.388076
	0.18731	2.036413	0.043253	0.387876
	-0.24517	-2.03679	0.043215	0.38777
SCYL2;ACTR6	0.138098	2.035843	0.043311	0.388034
	0.277213	2.040924	0.042797	0.386578
	-0.22267	-2.03854	0.043037	0.38736
EGFL7;GPSM1;UAP1L1;PTGDS;DNLZ;FAM69B	-0.22015	-2.03899	0.042992	0.387236
POC1B	-0.31458	-2.03856	0.043036	0.38736
	-0.13967	-2.0361	0.043285	0.38796
	0.32669	2.041282	0.042762	0.386489
	-0.15441	-2.03244	0.043658	0.389077
	0.185648	2.03656	0.043238	0.387812
	0.281328	2.033369	0.043563	0.388832
KCNE1;ENSG00000243627;ENSG00000234380	-0.26646	-2.03017	0.043891	0.38993
	0.16375	2.037086	0.043185	0.387682
	-0.19805	-2.03658	0.043236	0.387811
	0.138906	2.03873	0.043019	0.38729
	-0.18613	-2.03751	0.043142	0.387559
C11orf21;C11orf89;LSP1;TSPAN32	0.297509	2.034399	0.043458	0.388591
	0.323822	2.0366	0.043234	0.387811
	-0.20895	-2.03203	0.043699	0.389286
ISCA2;ZC2HC1C	-0.26905	-2.03828	0.043064	0.387425
	0.290071	2.032599	0.043642	0.389071
	0.24939	2.03581	0.043314	0.388047
	0.117847	2.032812	0.04362	0.388979
	0.251252	2.034221	0.043476	0.388618
	0.21107	2.034589	0.043439	0.388533
ARHGAP26	-0.31467	-2.03027	0.043881	0.389908
BAIAP2	-0.32084	-2.03803	0.043089	0.387499
	0.241562	2.037699	0.043123	0.38755
IGHA1;IGHA2;KIAA0125;IGHJ3P;IGHM;IGHV3-15;IGHV1-2;IGHV3-7;AHNAK2;IGHG1;C14orf79;IGHG2;INF2;IGHG3	-0.2089	-2.03212	0.043691	0.389249
	-0.12605	-2.03165	0.043739	0.389421

CEP104;TP73	-0.35258	-2.03392	0.043507	0.388711
	0.155036	2.036044	0.043291	0.387975
	-0.12891	-2.02925	0.043985	0.390159
PTP4A3	-0.29874	-2.0351	0.043386	0.388318
	0.141757	2.03827	0.043065	0.387425
	-0.16803	-2.03602	0.043293	0.387979
COASY;ATP6V0A1;ACLY	-0.22194	-2.03727	0.043166	0.387668
	-0.18228	-2.03976	0.042914	0.386929
	-0.32726	-2.03578	0.043317	0.388058
LTBP2;TGFB3;GPATCH2L;PGF;IFT43;TTLL5;MLH3;AREL1	0.228167	2.029772	0.043932	0.390069
	0.125129	2.037085	0.043185	0.387682
	0.269193	2.037749	0.043118	0.387545
	-0.20509	-2.03551	0.043345	0.388088
	0.180908	2.039089	0.042982	0.387228
LPCAT1;TRIP13;ZDHHC11;ENSG00000188002	-0.26815	-2.03258	0.043644	0.389071
	0.225256	2.040184	0.042872	0.386786
LCK	-0.24191	-2.02652	0.044268	0.391142
	-0.23777	-2.03292	0.043609	0.388947
	-0.23883	-2.03673	0.043221	0.387797
BAK1	0.213266	2.03496	0.043401	0.388374
	0.166156	2.033375	0.043562	0.388832
	0.210082	2.035902	0.043305	0.388022
CD163L1	-0.16772	-2.03555	0.043341	0.388083
	0.183301	2.032472	0.043655	0.389077
CALD1	0.26838	2.037185	0.043175	0.387681
TNRC6C	-0.15202	-2.03748	0.043145	0.387559
	0.178893	2.037474	0.043146	0.387559
	0.219108	2.034516	0.043446	0.388567
RPL27;BECN1;TUBG2;COA3;VPS25;AOC3;MEOX1;ACLY	0.19187	2.039452	0.042946	0.387089
RDH10;ENSG00000254288;STAU2;ENSG00000253339	-0.38271	-2.03434	0.043464	0.388591
CCDC181;NME7;RCSD1;ENSG00000234604	-0.26723	-2.02493	0.044432	0.391671
SPATA18;SNORA26	0.207651	2.038927	0.042999	0.387239
	-0.25086	-2.03784	0.043108	0.387524
	0.212323	2.033684	0.043531	0.388765
	-0.28761	-2.03683	0.043211	0.38777
	-0.1329	-2.02915	0.043996	0.390197
AKAP5;SGPP1	0.155902	2.031859	0.043717	0.389351
UBE2Q2P1;CSPG4P11 RHOH;ENSG00000231160	-0.18447	-2.03349	0.043551	0.388831
	0.171894	2.032573	0.043644	0.389071
	0.265035	2.031317	0.043773	0.389567
	0.350642	2.033374	0.043562	0.388832
	-0.1366	-2.02511	0.044413	0.391601
	0.363845	2.040065	0.042884	0.386786
	-0.17878	-2.03893	0.042999	0.387239
	0.18777	2.036964	0.043197	0.387697
	0.115902	2.035065	0.04339	0.388327
	0.183122	2.030784	0.043828	0.389668



C1orf168	0.205126	2.041047	0.042785	0.386554
	0.302829	2.037217	0.043172	0.387679
	-0.31115	-2.03915	0.042977	0.387212
	-0.15767	-2.03247	0.043655	0.389077
FAM149A	-0.39597	-2.03316	0.043584	0.388887
	-0.16278	-2.03478	0.043419	0.388437
	0.144601	2.037582	0.043135	0.387551
GABBR1;TRIM31;DDR1;TRIM26;PPP1R18;HLA-A;DHX16;GNL1;HLA-F-AS1;NRM	0.441007	2.036571	0.043237	0.387811
	0.183385	2.030852	0.043821	0.389666
	0.309941	2.038282	0.043064	0.387425
	0.182145	2.034599	0.043438	0.388532
	0.301481	2.032699	0.043631	0.389045
	0.179122	2.033163	0.043584	0.388887
	-0.28038	-2.03463	0.043434	0.388519
RLTPR;DPEP2	-0.29032	-2.02549	0.044374	0.39148
RERE	-0.28291	-2.03489	0.043408	0.388386
LZTFL1;LARS2	0.291719	2.036141	0.043281	0.387942
ZNF471;ZNF667-AS1;ZNF667	0.195656	2.03358	0.043541	0.388802
	0.106846	2.033396	0.04356	0.388832
	0.329133	2.035618	0.043334	0.388083
ENSG00000257084;SCNN1A	-0.26846	-2.0376	0.043133	0.387551
	0.232893	2.037141	0.043179	0.387681
	0.229007	2.032443	0.043658	0.389077
	0.128608	2.031856	0.043718	0.389351
COL1A1;TOB1-AS1;TOB1 SH2D3C	-0.30145	-2.02954	0.043956	0.390114
	-0.31393	-2.03772	0.043121	0.38755
	0.169217	2.030792	0.043827	0.389668
	-0.24674	-2.03216	0.043687	0.389228
	0.208136	2.034421	0.043456	0.388589
ST6GALNAC1;CYGB;TRIM65;SPHK1;PRPSAP1;ST6GALNAC2	-0.22116	-2.03626	0.043269	0.387904
	0.108517	2.034876	0.043409	0.388386
	-0.35062	-2.03125	0.043779	0.3896
QRICH1;ENSG00000235016	0.151269	2.035042	0.043393	0.388334
	-0.2111	-2.03421	0.043477	0.388618
	-0.19108	-2.03491	0.043406	0.388386
	-0.14198	-2.03751	0.043142	0.387559
	0.202248	2.031581	0.043746	0.389448
PDCD6;SDHA;MRPL36;LPCAT1	-0.1856	-2.03249	0.043653	0.389077
	0.266626	2.035548	0.043341	0.388083
	-0.2253	-2.03153	0.043751	0.389488
	-0.21676	-2.03628	0.043267	0.387904
	0.233079	2.031798	0.043724	0.389371
	-0.21416	-2.03213	0.043689	0.389245
	0.306734	2.034263	0.043472	0.388618
	0.228068	2.038554	0.043036	0.38736

MLLT4;THBS2;SMOC2	0.263568	2.028997	0.044011	0.390223
	-0.24275	-2.03544	0.043352	0.38814
ENSG00000261270;GPR114;NLRC5	0.187386	2.033526	0.043547	0.388827
	-0.13517	-2.03553	0.043343	0.388083
	0.180811	2.034123	0.043486	0.388656
	0.266172	2.033199	0.04358	0.388887
RAPGEF5;CDCA7L;DNAH11	-0.38398	-2.03018	0.04389	0.38993
	0.247943	2.032174	0.043685	0.389223
	0.223067	2.033585	0.043541	0.388802
UACA	0.213204	2.03501	0.043396	0.388345
	0.287899	2.037126	0.043181	0.387681
RELB;VASP;EXOC3L2	-0.28505	-2.03522	0.043375	0.388229
	0.268463	2.031628	0.043741	0.389421
	0.198387	2.035342	0.043362	0.38816
	0.167178	2.019278	0.045022	0.393118
	-0.19843	-2.03943	0.042948	0.387089
	0.244896	2.026266	0.044293	0.391212
	0.182214	2.035601	0.043336	0.388083
CD3E;CD3G;IL10RA;NLRX1	0.33251	2.036681	0.043226	0.387805
RCN3;TEAD2;KLK11;PRRG2	-0.32398	-2.02452	0.044475	0.391807
	0.251016	2.03645	0.043249	0.387863
	0.235752	2.034462	0.043452	0.388589
MEG3;YY1	0.177426	2.030288	0.043879	0.389908
	-0.25907	-2.03388	0.04351	0.388711
	0.216474	2.027995	0.044115	0.390609
	0.197969	2.033612	0.043538	0.388798
	0.256177	2.029261	0.043984	0.390159
	0.253461	2.033189	0.043581	0.388887
PIGV;ATPIF1;THEMIS2;HMGN2;PPP1R8;NUDC;TRNP1	-0.23873	-2.03841	0.043051	0.387402
	0.250911	2.031045	0.043801	0.389662
	-0.19662	-2.03117	0.043788	0.389602
CREB3L2	0.232065	2.039412	0.04295	0.387089
	-0.21607	-2.03645	0.043249	0.387863
	0.225013	2.029731	0.043936	0.390074
	-0.1456	-2.02516	0.044408	0.391601
IRX5;CRNDE;IRX3	0.31496	2.033704	0.043529	0.388755
	0.154948	2.037605	0.043132	0.387551
PLEKHB2	-0.45525	-2.03133	0.043771	0.38956
	-0.33789	-2.03259	0.043643	0.389071
	-0.19127	-2.0366	0.043234	0.387811
	0.272384	2.032971	0.043604	0.388947
SPATA5	0.229772	2.03291	0.04361	0.388947
	0.172179	2.036354	0.043259	0.387904
CARD11;FTSJ2;PSMG3	-0.22568	-2.03832	0.04306	0.387425
SLC7A5;ENSG00000259881;ZNF469;RNF166	-0.22635	-2.03537	0.043359	0.38816
CCR4;OSBPL10;PDCD6IP;CMTM8;CMTM6;GPD1L;FBXL2	-0.27996	-2.0307	0.043837	0.389713
KIF26A;INF2;C14orf2;EIF5;EXOC3L4	-0.23929	-2.02967	0.043942	0.390074

FSTL3	-0.25925	-2.03343	0.043557	0.388832
	-0.18014	-2.03627	0.043268	0.387904
CCDC69;ZNF300;HMGXB3;CD74;MIR143HG;PPARGC1B;MIR145;ENSG00000253864;PDGFRB;SYNPO;NDST1;ARSI;MIR143CTTN;TPCN2;MRGPRF;ANO1;IGHMBP2PARVG	-0.26694	-2.03291	0.04361	0.388947
	-0.36216	-2.03089	0.043817	0.389662
	0.249874	2.033855	0.043513	0.388714
	-0.27787	-2.02962	0.043948	0.390093
PNO1	0.243035	2.029978	0.04391	0.389994
	-0.25808	-2.03404	0.043495	0.388661
	-0.19728	-2.02797	0.044117	0.390617
ENSG00000246851	0.164322	2.037386	0.043155	0.387617
	0.287766	2.036655	0.043229	0.387805
	-0.22304	-2.03431	0.043467	0.388592
	-0.19491	-2.03116	0.043789	0.389602
	0.1184	2.032272	0.043675	0.389175
	0.253449	2.031379	0.043767	0.389544
TNXB	-0.18061	-2.03184	0.043719	0.389351
	-0.17263	-2.02497	0.044428	0.39166
	0.177201	2.035255	0.043371	0.388203
	0.167323	2.027211	0.044196	0.390903
	-0.1905	-2.03624	0.043271	0.387904
	0.203321	2.029603	0.043949	0.390093
TENM3	0.209214	2.035883	0.043307	0.38803
	0.311102	2.024564	0.04447	0.391787
	0.262183	2.036462	0.043248	0.387863
	-0.10679	-2.03388	0.043511	0.388711
FENDRR;FOXF1;FOXL1;KIAA0513;CRISPLD2;USP10;ENSG00000262601;FAM92BGPR135	-0.23908	-2.03436	0.043462	0.388591
	-0.16376	-2.02612	0.044309	0.391246
	0.225829	2.034143	0.043484	0.388656
	0.26967	2.036978	0.043196	0.387694
	0.166517	2.026838	0.044234	0.391
	-0.23293	-2.0334	0.04356	0.388832
	-0.13217	-2.03185	0.043719	0.389351
	-0.27865	-2.03762	0.04313	0.38755
	0.319389	2.029625	0.043947	0.390093
	0.226311	2.03211	0.043692	0.389249
	-0.30338	-2.02903	0.044008	0.390223
	0.135954	2.032446	0.043657	0.389077
	-0.24411	-2.01897	0.045055	0.393155
	-0.16122	-2.02639	0.044281	0.391165
	-0.22936	-2.02694	0.044224	0.390974
ARHGAP26	0.136333	2.029744	0.043934	0.390074
	-0.26081	-2.02074	0.044869	0.392715
	0.204245	2.030779	0.043828	0.389668
	-0.1731	-2.02912	0.043999	0.390197
SYNM;ENSG00000259363;DNM1P46;IGF1R				

HELB	0.296261	2.037062	0.043187	0.387682
	0.191397	2.030225	0.043885	0.389908
ADCY4;SLC22A17;DCAF11	-0.24118	-2.03388	0.043511	0.388711
	0.154702	2.032686	0.043633	0.389046
	-0.17548	-2.0295	0.04396	0.390114
	-0.12126	-2.03555	0.043341	0.388083
FGFR1OP;MLLT4;ENSG00000228648	-0.28316	-2.02863	0.044049	0.390383
	-0.24847	-2.03539	0.043357	0.38816
	0.267419	2.024494	0.044477	0.391818
CLIP1;ENSG00000251497;PITPNM2	-0.26827	-2.03383	0.043516	0.388716
	-0.10042	-2.02966	0.043943	0.390074
CHST6	0.145074	2.034103	0.043488	0.388656
ENSG00000260951	-0.29103	-2.03407	0.043491	0.388656
	0.142077	2.030442	0.043863	0.389838
	0.160588	2.035259	0.04337	0.388203
	0.221565	2.029704	0.043939	0.390074
	0.186962	2.029363	0.043974	0.390119
	0.145931	2.031703	0.043733	0.389421
	0.212381	2.033266	0.043574	0.388853
	0.231248	2.026244	0.044296	0.391212
	-0.25037	-2.0329	0.043611	0.388947
FAM126A;ENSG00000228649;DNAH11	0.282079	2.028947	0.044016	0.390231
	-0.22424	-2.03164	0.04374	0.389421
	-0.13478	-2.03205	0.043698	0.389286
THBS2	-0.25042	-2.02396	0.044533	0.391856
	0.155858	2.036094	0.043286	0.38796
	0.279207	2.028932	0.044018	0.390232
	-0.20486	-2.02957	0.043953	0.390114
FANK1;ADAM12;FANK1-AS1	-0.29233	-2.01868	0.045085	0.39321
	0.201971	2.037007	0.043193	0.387694
ENSG00000235669	-0.19655	-2.03151	0.043754	0.389488
	0.368849	2.034446	0.043453	0.388589
SRCIN1;C17orf96	0.203759	2.030257	0.043882	0.389908
	0.218979	2.034151	0.043483	0.388656
	0.252827	2.030812	0.043825	0.389668
	0.165378	2.031224	0.043783	0.3896
	0.222183	2.03553	0.043343	0.388083
	0.290567	2.03338	0.043562	0.388832
	-0.29545	-2.0329	0.043611	0.388947
	0.158074	2.034101	0.043488	0.388656
	0.120455	2.034533	0.043444	0.388567
	-0.17754	-2.03312	0.043588	0.388889
	-0.15208	-2.02925	0.043986	0.390159
	0.207208	2.036686	0.043226	0.387805
TVP23B;MPRIIP	-0.26245	-2.03791	0.043102	0.387524
	0.250116	2.033868	0.043512	0.388711
SNORA74A	0.231348	2.03423	0.043475	0.388618

ENSG00000258634	0.184855	2.032917	0.043609	0.388947
	-0.19132	-2.03737	0.043156	0.387617
	-0.31483	-2.03023	0.043885	0.389908
ANO1	0.224458	2.034807	0.043416	0.388424
	0.199502	2.032862	0.043615	0.388961
	-0.14374	-2.02294	0.044639	0.392086
	-0.31492	-2.0359	0.043305	0.388022
	-0.14711	-2.03284	0.043617	0.388963
	0.295601	2.034327	0.043465	0.388591
SLC7A5	-0.25675	-2.03468	0.043429	0.388507
	0.167248	2.031017	0.043804	0.389662
RPS3AP26	-0.22369	-2.03374	0.043525	0.388742
	0.146186	2.02536	0.044387	0.391521
FZD10-AS1	0.342481	2.027777	0.044137	0.390701
HCP5;HLA-B;HLA-DRA;HLA-C;MICB;LTB;HSPA1A;PPP1R10;CCHCR1;PPP1R18;VAR2	0.282685	2.036285	0.043266	0.387904
	-0.11844	-2.02468	0.044457	0.391755
	0.16098	2.034126	0.043486	0.388656
	-0.26445	-2.03031	0.043877	0.389908
	0.259578	2.035753	0.04332	0.388058
	-0.28682	-2.03232	0.04367	0.389162
	0.12192	2.029922	0.043916	0.390021
TNFRSF1B	0.235544	2.033844	0.043515	0.388716
	0.286044	2.036141	0.043281	0.387942
EBF1;ADAM19;ITK;ENSG00000253519	-0.34928	-2.03338	0.043562	0.388832
PIK3CD;SPSB1	-0.25384	-2.02983	0.043926	0.390049
	0.166734	2.030997	0.043806	0.389662
	-0.13831	-2.02893	0.044018	0.390232
SYNJ2BP;RPL7AP6	0.273959	2.033276	0.043572	0.388852
	-0.15712	-2.03022	0.043885	0.389908
	-0.1802	-2.02833	0.04408	0.390478
	-0.17648	-2.03088	0.043818	0.389662
	0.162843	2.028039	0.04411	0.390602
RASGRP2;NRXN2;MAP4K2;VEGFB	-0.16756	-2.03184	0.04372	0.389351
	0.197086	2.035134	0.043383	0.388297
	-0.16206	-2.0312	0.043785	0.3896
	-0.24043	-2.02742	0.044174	0.390856
	0.224652	2.035266	0.04337	0.388203
	0.190514	2.031899	0.043713	0.389351
PINLYP	-0.31923	-2.03443	0.043455	0.388589
GMDS;IRF4	0.327064	2.033714	0.043528	0.388753
ZNF503	-0.2587	-2.03043	0.043864	0.389839
NKD2	0.132981	2.026141	0.044306	0.391241
	0.11955	2.027338	0.044182	0.390856
	0.207471	2.030976	0.043808	0.389662
MRGBP	-0.18355	-2.01765	0.045193	0.393383
	0.227409	2.030498	0.043857	0.389803

MMRN2;GRID1;SNCG;LDB3;PAPSS2;MINPP1	-0.31627	-2.03379	0.04352	0.388735
	-0.18925	-2.03009	0.043899	0.389959
	0.194263	2.032909	0.04361	0.388947
PDE2A;FCHSD2;STARD10;LRTOMT;IL18BP MAP2K1	0.265507	2.032847	0.043616	0.388963
	-0.34596	-2.0317	0.043734	0.389421
	0.244458	2.027993	0.044115	0.390609
RPS14;TNIP1	0.2569	2.032619	0.04364	0.389071
	0.245976	2.033778	0.043521	0.388735
	0.226738	2.031944	0.043709	0.389351
RPL26L1;STC2;ERGIC1;BNIP1	-0.15471	-2.03204	0.043699	0.389286
	-0.14419	-2.03362	0.043537	0.388798
	-0.18393	-2.03445	0.043452	0.388589
ENSG00000214654;NDUFA8;PHF19;TRAF1;RAB14;RBM18;GSN- AS1	0.274407	2.030609	0.043846	0.389745
	0.208117	2.031849	0.043718	0.389351
	-0.1952	-2.03534	0.043362	0.38816
RAMP3	0.190008	2.023269	0.044605	0.392015
	-0.19578	-2.03261	0.04364	0.389071
	-0.29529	-2.03557	0.043339	0.388083
ZNF141;RNF212 MAPK8IP1;TSPAN18	-0.32494	-2.03023	0.043885	0.389908
	0.15384	2.031019	0.043804	0.389662
	0.231407	2.031502	0.043754	0.389488
UBASH3A	0.272137	2.03504	0.043393	0.388334
	-0.30064	-2.02759	0.044157	0.39079
	0.204617	2.030914	0.043814	0.389662
P2RX4;P2RX7	-0.17612	-2.01769	0.045189	0.393383
	-0.14607	-2.0294	0.04397	0.390119
	0.176994	2.032079	0.043695	0.389269
ENSG00000261040 ANKRD22	-0.18004	-2.03267	0.043634	0.389046
	-0.16368	-2.02671	0.044248	0.391066
	0.221741	2.034298	0.043468	0.388595
FGD5;FBLN2;ZFYVE20;GRIP2;SH3BP5;TPRXL	0.198944	2.031907	0.043713	0.389351
	-0.26321	-2.03575	0.043321	0.388058
	-0.26293	-2.03425	0.043473	0.388618
	-0.2332	-2.02375	0.044555	0.391902
	0.209681	2.030875	0.043818	0.389662
	-0.2083	-2.03702	0.043192	0.387694
	0.415499	2.032291	0.043673	0.389166
	-0.19502	-2.03138	0.043767	0.389544
	0.22885	2.032807	0.04362	0.388979
	0.196252	2.030618	0.043845	0.389745
	-0.19064	-2.03123	0.043782	0.3896
	0.196766	2.027624	0.044153	0.390768
	0.228481	2.032537	0.043648	0.389077
	-0.1624	-2.02757	0.044158	0.39079
	0.152353	2.028081	0.044106	0.390601
	-0.2093	-2.03463	0.043434	0.388519

UEVLD;SAA1;TSG101;NUCB2;ZDHHC13;SAA2	-0.22411	-2.02961	0.043948	0.390093
	0.13832	2.033632	0.043536	0.388795
	-0.21002	-2.03231	0.043671	0.389162
RER1;NADK;GLTPD1	0.200714	2.029232	0.043987	0.390166
	-0.33156	-2.02829	0.044084	0.3905
IK;PCDHB1	-0.25038	-2.0336	0.043539	0.3888
MEGF6	-0.47044	-2.03534	0.043362	0.38816
	0.186265	2.030858	0.04382	0.389666
FAM227A;PRDX3P1	0.205855	2.033868	0.043512	0.388711
	0.179949	2.028977	0.044013	0.390223
	-0.13793	-2.02416	0.044512	0.391828
AAK1;ANXA4	0.300007	2.032895	0.043611	0.388947
	-0.35246	-2.02131	0.044809	0.392548
SULF1	0.268629	2.03261	0.043641	0.389071
KCNMB1;GABRP;SLIT3	-0.20577	-2.02925	0.043985	0.390159
	-0.30894	-2.02787	0.044127	0.390656
LILRB1	0.256953	2.032262	0.043676	0.389176
PLXDC1;IGFBP4;NR1D1;ERBB2;IKZF3;ENSG00000264198;LRRC3				
7A11P	-0.18024	-2.03134	0.04377	0.389558
ERLIN1;BTRC	0.237194	2.029203	0.04399	0.390175
C16orf74;DNAAF1;CDH13;FAM92B;HSDL1	-0.30744	-2.02984	0.043924	0.390047
	-0.14194	-2.03257	0.043644	0.389071
	0.313318	2.0309	0.043816	0.389662
TENC1;GALNT6;ACVRL1;GRASP;POU6F1;KRT7;ENSG000002573				
37	0.349476	2.032895	0.043611	0.388947
	-0.25282	-2.0357	0.043325	0.388072
KIAA1257;IFT122;EFCAB12	0.190656	2.029138	0.043997	0.390197
	-0.16718	-2.02845	0.044068	0.390443
	-0.28052	-2.03388	0.043511	0.388711
	-0.2429	-2.02041	0.044903	0.39281
	-0.17903	-2.02948	0.043962	0.390114
	0.170483	2.030565	0.04385	0.389764
	0.255463	2.036603	0.043234	0.387811
CKAP4	-0.12053	-2.02592	0.044329	0.391298
	-0.18538	-2.03436	0.043462	0.388591
	-0.14602	-2.03372	0.043527	0.388753
	0.128912	2.033281	0.043572	0.388852
	0.159945	2.033418	0.043558	0.388832
	0.290783	2.03193	0.04371	0.389351
	0.199527	2.032552	0.043646	0.389077
	0.271248	2.032932	0.043608	0.388947
	-0.21653	-2.03012	0.043895	0.389943
	0.112614	2.02849	0.044064	0.390425
	0.121448	2.032243	0.043678	0.389179
	0.14052	2.028318	0.044081	0.390482
ENSG00000270681	-0.13584	-2.03006	0.043901	0.389964
	-0.20153	-2.03246	0.043656	0.389077

NTRK3;KIF7;MFGE8;ISG20;ABHD2;ACAN;FANCI NPHP1	0.217355	2.032441	0.043658	0.389077
	-0.2185	-2.02563	0.044359	0.391445
	-0.1339	-2.02536	0.044387	0.391521
	-0.20819	-2.02655	0.044264	0.391113
	0.206571	2.033892	0.04351	0.388711
PLBD2;ENSG00000199899;IQCD	-0.24628	-2.02131	0.044809	0.392548
	0.095462	2.030918	0.043814	0.389662
	-0.13061	-2.02724	0.044193	0.390892
PTPRE	-0.26038	-2.01721	0.045239	0.393434
HRH1;OGG1;PRRT3;JAGN1;ENSG00000206567;CAMK1	-0.30791	-2.02195	0.044742	0.392303
	0.21646	2.022882	0.044645	0.392086
	0.147876	2.027823	0.044132	0.390683
THYN1;IGSF9B	-0.26124	-2.02639	0.044281	0.391165
TGFB1;AXL;LTBP4;ADCK4;CYP2F1;B9D2	-0.16889	-2.02826	0.044087	0.390508
	0.131602	2.026502	0.044269	0.391142
SNRPF	-0.28819	-2.02479	0.044447	0.391737
	-0.12489	-2.02087	0.044855	0.392691
	0.191764	2.034021	0.043497	0.388661
	-0.13004	-2.03182	0.043721	0.389359
	0.217685	2.024746	0.044451	0.391743
	0.246381	2.019646	0.044983	0.393071
	-0.2187	-2.02989	0.043919	0.390026
	-0.21506	-2.03402	0.043496	0.388661
	-0.30477	-2.03077	0.043829	0.389668
	-0.12447	-2.02945	0.043965	0.390114
	-0.2668	-2.03233	0.043669	0.389161
NXP3;SGCA;COL1A1;CACNA1G;SLC35B1;LRRC59;ANKRD40	0.20871	2.033478	0.043552	0.388831
	-0.19702	-2.02941	0.043969	0.390117
	0.175125	2.030258	0.043882	0.389908
	0.112929	2.022969	0.044636	0.392086
	-0.25917	-2.02834	0.044079	0.390478
	0.173307	2.027809	0.044134	0.390688
GVINP1	0.2153	2.022851	0.044648	0.392098
	0.286726	2.034212	0.043477	0.388618
ITGAL;ITGAX;ITGAM	0.309215	2.031872	0.043716	0.389351
SLAMF1;SLAMF6;CD84;AIM2;FCRL6;LY9;PYHIN1;CD48;SLAMF7; CD244	-0.32151	-2.02953	0.043956	0.390114
ENSG00000260586	-0.14256	-2.02418	0.044509	0.391828
	-0.12849	-2.02414	0.044514	0.391828
C17orf66	0.199453	2.027345	0.044182	0.390856
	-0.18645	-2.02629	0.044291	0.391211
CYBA	-0.21762	-2.02063	0.04488	0.392758
ITPR2	-0.26579	-2.02218	0.044718	0.392294
	-0.32833	-2.02573	0.044349	0.391383
	-0.21459	-2.03424	0.043474	0.388618
	0.191568	2.032788	0.043622	0.388988



	-0.12446	-2.02471	0.044455	0.391753
PALM;ENSG00000129951;GAMT;TCF3;GRIN3B;ADAMTSL5;PPA				
P2C;FSTL3;GPX4;PCSK4	-0.21667	-2.0241	0.044518	0.391828
	0.18998	2.030912	0.043814	0.389662
	0.195483	2.028042	0.04411	0.390602
	0.191181	2.034837	0.043413	0.388413
	-0.24439	-2.0315	0.043754	0.389488
RBM33	0.192343	2.029352	0.043975	0.39012
	-0.18466	-2.03142	0.043763	0.389542
	-0.21805	-2.02649	0.04427	0.391142
	-0.23955	-2.02825	0.044089	0.390508
	0.2605	2.027654	0.04415	0.390757
SMPD2;SESN1;CD164;ARMC2;PPIL6;AK9;LACE1;SNX3	-0.29223	-2.02789	0.044125	0.390642
	0.238114	2.027183	0.044199	0.390913
PSME4	-0.3139	-2.02936	0.043974	0.390119
	0.187874	2.0308	0.043826	0.389668
SLC15A3;MPEG1;PATL1;CD6	0.321281	2.025758	0.044346	0.391367
	0.190296	2.033307	0.043569	0.388852
	-0.18238	-2.02988	0.04392	0.390027
	0.307671	2.033151	0.043585	0.388887
TRIM13	-0.15836	-2.03003	0.043905	0.389965
KLF7;IDH1;PLEKHM3	-0.19144	-2.02528	0.044395	0.391558
	0.258543	2.022177	0.044718	0.392294
	-0.11387	-2.03489	0.043408	0.388386
	0.133853	2.026134	0.044307	0.391241
	0.212216	2.032873	0.043614	0.388959
B3GNT7;PSMD1	0.209738	2.018359	0.045119	0.393264
	-0.18887	-2.03376	0.043524	0.38874
	0.165999	2.029131	0.043998	0.390197
	0.228868	2.028391	0.044074	0.390471
DYNLT1	-0.23051	-2.03356	0.043543	0.388808
OCIAD1	-0.2749	-2.02427	0.044501	0.391828
	0.255468	2.030957	0.04381	0.389662
CBX2;CBX8	-0.20408	-2.02757	0.044159	0.39079
	-0.21667	-2.0329	0.043611	0.388947
	0.246149	2.031097	0.043795	0.389646
	0.211062	2.025716	0.04435	0.391389
	0.175951	2.033495	0.04355	0.388831
	0.220165	2.030595	0.043847	0.389748
	0.198075	2.028063	0.044108	0.390602
	0.186959	2.026489	0.04427	0.391142
	-0.14868	-2.02511	0.044413	0.391601
	0.143992	2.030529	0.043854	0.389783
	-0.36818	-2.03139	0.043765	0.389544
	-0.18595	-2.02966	0.043943	0.390074
	-0.14954	-2.02915	0.043996	0.390197
SEPHS2;ZNF267;TGFB1I1;DCTPP1	-0.21083	-2.02844	0.044069	0.390443

ABHD2;PEX11A;HAPLN3;CIB1;MFGE8;ACAN;WDR93;KIF7	0.205934	2.028642	0.044048	0.39038
	-0.17849	-2.03163	0.043741	0.389421
	-0.16084	-2.01973	0.044974	0.393046
INF2;KIF26A;PACS2;JAG2	0.320321	2.027339	0.044182	0.390856
	0.173572	2.030079	0.0439	0.389959
FZD4;ENSG00000255471	0.187373	2.025128	0.044411	0.391601
	0.342711	2.030357	0.043871	0.389883
PTPRJ	-0.20708	-2.02912	0.043998	0.390197
	0.210466	2.032904	0.043611	0.388947
	0.299267	2.029514	0.043958	0.390114
LRP11;KATNA1;PPP1R14C;PCMT1	-0.27523	-2.0277	0.044145	0.390734
GCFC2	0.195496	2.027841	0.044131	0.390675
CTSF	-0.14821	-2.02639	0.044281	0.391165
	-0.26848	-2.03102	0.043803	0.389662
	0.164989	2.031168	0.043788	0.389602
MAP4K1;PAK4;GMFG;SPINT2;ENSG00000183760	0.360246	2.033924	0.043506	0.388711
	0.238866	2.01977	0.04497	0.393046
	-0.32855	-2.03312	0.043588	0.388889
	0.275988	2.033066	0.043594	0.388913
	0.175629	2.029494	0.04396	0.390114
	0.274653	2.029897	0.043919	0.390026
PIGU	-0.23585	-2.03393	0.043506	0.388711
TTYH2;LINC00511	-0.22428	-2.02852	0.044061	0.390425
ITGAL;CORO1A;SPN	-0.29591	-2.03223	0.043679	0.389179
FLI1;ARHGAP32;TMEM45B;SENCR;TP53AIP1	0.210433	2.024721	0.044454	0.391753
	0.142199	2.029452	0.043964	0.390114
	0.17702	2.024794	0.044446	0.391737
	0.272943	2.028758	0.044036	0.390321
	0.206718	2.028561	0.044056	0.390422
TBCD;WDR45B;PYCR1	-0.33013	-2.01715	0.045245	0.393438
	-0.2024	-2.02289	0.044644	0.392086
ARID5B	0.300734	2.030272	0.04388	0.389908
	-0.13255	-2.02947	0.043963	0.390114
	-0.18071	-2.02534	0.044389	0.391531
	0.32802	2.031475	0.043757	0.389496
	-0.13284	-2.03117	0.043788	0.389602
FLI1	-0.31418	-2.02807	0.044107	0.390602
	0.210282	2.033293	0.043571	0.388852
	0.161364	2.019874	0.044959	0.393008
HLA-F	-0.23418	-2.03185	0.043718	0.389351
	0.253866	2.03014	0.043894	0.389939
	0.199963	2.02202	0.044735	0.392303
	0.173871	2.030164	0.043891	0.38993
	-0.13165	-2.02145	0.044795	0.392515
	0.162481	2.028995	0.044011	0.390223
HCP5;HLA-B;HLA-C	-0.26224	-2.03034	0.043873	0.389888

	-0.23702	-2.02938	0.043972	0.390119
	0.411271	2.023839	0.044545	0.391888
	-0.21468	-2.02354	0.044577	0.391941
	-0.19581	-2.02655	0.044264	0.391113
UQCC2;HLA-DMB;PFDN6;ENSG00000272288;BAK1	0.163207	2.026215	0.044299	0.391212
	0.281014	2.025419	0.044381	0.391488
	0.297271	2.030971	0.043808	0.389662
SUSD3	0.252315	2.032489	0.043653	0.389077
	0.235872	2.020946	0.044847	0.392676
CCDC34;MUC15	0.27288	2.027497	0.044166	0.39082
	-0.15573	-2.02545	0.044378	0.391486
	-0.22371	-2.02543	0.04438	0.391488
BCL11B;EVL	0.274898	2.033139	0.043586	0.388887
	0.151177	2.028225	0.044091	0.390518
	0.203508	2.026347	0.044285	0.391184
	-0.20258	-2.03062	0.043844	0.389745
HARBI1;C11orf49;PHF21A;CREB3L1;CKAP5;MAPK8IP1	-0.24742	-2.03004	0.043904	0.389965
	-0.25847	-2.01799	0.045157	0.393299
	-0.24691	-2.01849	0.045105	0.393234
	0.120202	2.022623	0.044672	0.392196
INHBA;SUGCT	-0.26101	-2.03042	0.043865	0.389844
	0.219218	2.021833	0.044754	0.392371
	0.253799	2.021492	0.04479	0.392503
	0.286332	2.030559	0.043851	0.389764
	-0.20776	-2.0267	0.044248	0.391066
	0.344136	2.032231	0.043679	0.389179
	-0.17843	-2.02586	0.044335	0.391335
	0.178327	2.031072	0.043798	0.389661
	-0.33424	-2.03097	0.043808	0.389662
LINC01132	0.19502	2.025178	0.044406	0.391599
	0.190385	2.029421	0.043968	0.390114
	0.210832	2.029789	0.04393	0.390061
ABHD2	0.198706	2.03081	0.043825	0.389668
	-0.2468	-2.02511	0.044413	0.391601
	0.191754	2.027198	0.044197	0.390906
TRAF3	0.232582	2.028739	0.044038	0.390324
	0.181978	2.027375	0.044179	0.390856
	0.321465	2.02415	0.044513	0.391828
	0.247481	2.027142	0.044203	0.390926
	0.262141	2.027469	0.044169	0.390829
	-0.2649	-2.0243	0.044498	0.391828
	0.203705	2.027247	0.044192	0.390892
KIF3B	0.212244	2.030607	0.043846	0.389745
	0.113454	2.028769	0.044035	0.390321
	0.23369	2.026995	0.044218	0.390963
	-0.22596	-2.03138	0.043766	0.389544
	-0.33741	-2.02933	0.043977	0.390122

MYO1B;STAT1;MFSD6 PCGF2;PSMB3	0.220143	2.030929	0.043813	0.389662
	0.245336	2.03252	0.04365	0.389077
	-0.23104	-2.02663	0.044256	0.391096
	-0.22301	-2.02902	0.044009	0.390223
LRRC46;PRR15L	0.277891	2.032432	0.043659	0.389077
	0.140036	2.025483	0.044374	0.39148
	0.272373	2.026569	0.044262	0.39113
DLL4;GPR176;SPINT1;ENSG00000261183;C15orf52;RHOV;FSIP 1	-0.26536	-2.01687	0.045275	0.393584
	-0.14228	-2.02776	0.044139	0.390704
TOP3A	-0.16163	-2.0299	0.043918	0.390026
	-0.1026	-2.02702	0.044215	0.390961
	-0.15866	-2.02879	0.044032	0.390307
	-0.35419	-2.03137	0.043768	0.389546
	-0.1322	-2.02501	0.044424	0.39166
	0.221695	2.02764	0.044151	0.390762
TNFAIP8L1;HSD11B1L	-0.37106	-2.01737	0.045223	0.393416
	0.131002	2.029949	0.043913	0.390007
	-0.22411	-2.02487	0.044439	0.39169
ING5;GAL3ST2 FBXO41	-0.15478	-2.02834	0.044079	0.390478
	-0.33547	-2.031	0.043805	0.389662
GALE;LYPLA2 SCARF1	0.275542	2.027659	0.044149	0.390757
	-0.29567	-2.02145	0.044794	0.392515
	0.218373	2.029499	0.04396	0.390114
	0.125372	2.023785	0.044551	0.391899
	0.195897	2.021326	0.044807	0.392548
	0.110034	2.027469	0.044169	0.390829
	0.166012	2.030386	0.043868	0.389865
	0.247698	2.031266	0.043778	0.389597
	0.250811	2.015468	0.045423	0.393887
	-0.28918	-2.02904	0.044006	0.390223
IRF4;ENSG00000218027 COL4A1;COL4A2	0.398831	2.031201	0.043785	0.3896
	-0.33695	-2.02791	0.044123	0.390635
	0.217336	2.026822	0.044236	0.391
	0.208076	2.023523	0.044578	0.391943
	-0.1916	-2.02619	0.044301	0.391212
	-0.16034	-2.02953	0.043957	0.390114
	-0.15589	-2.02302	0.044631	0.392083
	-0.18017	-2.03163	0.04374	0.389421
	0.157571	2.027354	0.044181	0.390856
	0.216096	2.027338	0.044182	0.390856
	0.175504	2.025539	0.044369	0.39148
	-0.31664	-2.02881	0.044031	0.390301
LINC00511	0.187393	2.024964	0.044428	0.39166
	0.313419	2.031856	0.043718	0.389351
	0.254715	2.022568	0.044678	0.392196
HES6;RAB17;TWIST2;TRAF3IP1;HDAC4;MLPH	0.288044	2.031948	0.043708	0.389351

MRGPRF	0.230899	2.024685	0.044457	0.391755
	0.139685	2.018995	0.045052	0.393155
	-0.30188	-2.02873	0.044039	0.390327
	0.161248	2.020541	0.04489	0.392769
	-0.28136	-2.02969	0.04394	0.390074
	-0.25684	-2.02237	0.044699	0.392239
	0.159022	2.02677	0.044241	0.391039
	0.277078	2.031688	0.043735	0.389421
	0.192035	2.025331	0.04439	0.391531
	0.220853	2.024717	0.044454	0.391753
	-0.20287	-2.02934	0.043976	0.390122
TEAD1	0.32145	2.028177	0.044096	0.390554
DHX16	0.226838	2.027786	0.044136	0.390701
SUN1	0.178427	2.029364	0.043974	0.390119
CDC25B;NOP56;MRPS26	0.184012	2.031669	0.043737	0.389421
MRAS;CEP70;PIK3CB	-0.18835	-2.02739	0.044177	0.390856
	-0.30018	-2.03008	0.0439	0.389959
	-0.24361	-2.0309	0.043815	0.389662
	0.232135	2.026903	0.044227	0.390974
STEAP3	0.223941	2.031282	0.043776	0.389591
	-0.17059	-2.02616	0.044304	0.391231
	0.2735	2.024426	0.044484	0.391828
LRRC4;AHCYL2;SMO;CCDC136;FLNC;IMPDH1;TPI1P2	-0.21965	-2.02436	0.044491	0.391828
	0.200704	2.030994	0.043806	0.389662
KIAA0922;DCHS2	0.262255	2.029017	0.044009	0.390223
LIFR;LIFR-AS1	-0.23895	-2.02477	0.044448	0.391738
	0.20081	2.023938	0.044535	0.391856
	-0.28526	-2.02871	0.044041	0.390333
CD200;ABHD10;PHLDB2;C3orf52;SLC9C1;ENSG00000261488;G				
CSAM	-0.29324	-2.02347	0.044583	0.391957
PPFIA2	0.258484	2.027947	0.04412	0.390617
LRRC49;THAP10;ENSG00000245750;UACA	-0.22025	-2.02754	0.044161	0.390802
CYB5R1;PPFIA4;PIK3C2B;TMEM183A;KDM5B;MDM4;ENSG000				
00227417	-0.29486	-2.0271	0.044207	0.390936
PDGFA	-0.33899	-2.01929	0.04502	0.393118
	-0.20813	-2.02013	0.044933	0.392908
	-0.23351	-2.029	0.044011	0.390223
	-0.15835	-2.02772	0.044143	0.390718
	0.280046	2.025123	0.044412	0.391601
	-0.17256	-2.02733	0.044183	0.390856
	-0.16483	-2.0261	0.04431	0.391246
	0.177302	2.024596	0.044466	0.391787
	-0.27358	-2.0281	0.044104	0.390596
	0.198333	2.024981	0.044427	0.39166
	-0.16357	-2.0236	0.044571	0.391927
	0.097426	2.028341	0.044079	0.390478
	0.250264	2.029818	0.043927	0.390051

	-0.15412	-2.02553	0.044369	0.39148
	0.167659	2.031712	0.043732	0.389421
	-0.20785	-2.02945	0.043964	0.390114
	0.208652	2.025473	0.044376	0.391482
SCGB1A1	-0.16806	-2.02549	0.044374	0.39148
	0.210289	2.026495	0.04427	0.391142
PLVAP;USHBP1;B3GNT3	-0.29335	-2.02364	0.044566	0.391927
ERGIC3;PROCR;EDEM2	0.27671	2.02312	0.04462	0.392037
CEP55	-0.16211	-2.02953	0.043957	0.390114
	-0.37342	-2.02621	0.0443	0.391212
KIAA1755;RPRD1B;SOGA1;MYL9;DLGAP4;VSTM2L;TGIF2	-0.32405	-2.02849	0.044064	0.390425
	0.142789	2.026401	0.044279	0.391165
	0.150471	2.027232	0.044193	0.390892
	0.147867	2.023263	0.044605	0.392015
	-0.20137	-2.02853	0.04406	0.390425
	0.241382	2.022433	0.044692	0.392215
	0.243691	2.028544	0.044058	0.390425
	-0.19118	-2.0226	0.044675	0.392196
	-0.20734	-2.02595	0.044326	0.391298
	-0.33575	-2.02282	0.044651	0.392109
	-0.20667	-2.02875	0.044037	0.390321
	0.159805	2.021112	0.04483	0.392617
	0.273529	2.022232	0.044713	0.392286
	-0.44214	-2.02741	0.044175	0.390856
	-0.17554	-2.02434	0.044493	0.391828
	-0.18094	-2.02898	0.044013	0.390223
	-0.20339	-2.02703	0.044215	0.390961
	-0.17514	-2.02995	0.043914	0.390007
	0.237116	2.030829	0.043823	0.389668
CEP55	-0.12896	-2.02906	0.044005	0.390223
	0.254822	2.022947	0.044638	0.392086
C8orf33	-0.20523	-2.02143	0.044797	0.392526
NREP;STARD4-AS1	0.219294	2.026426	0.044277	0.391165
	-0.2461	-2.02074	0.044869	0.392715
IRF4	-0.32587	-2.01995	0.044952	0.392989
TTLL11;ENSG00000261534	0.310892	2.024641	0.044462	0.391768
ARAP3	0.297173	2.024479	0.044479	0.391818
	0.248808	2.02556	0.044367	0.391479
	0.146196	2.021128	0.044828	0.392614
	0.256706	2.028461	0.044067	0.39044
SEPT10;SOWAHC;LINC01106	0.334537	2.021799	0.044758	0.392378
	-0.17439	-2.02379	0.044551	0.391899
USP21;PPOX	0.332083	2.029435	0.043966	0.390114
	-0.22629	-2.02489	0.044436	0.391688
DSP;BMP6	-0.35143	-2.02293	0.044639	0.392086
SLC7A5	0.208589	2.023774	0.044552	0.391899
	0.195955	2.027171	0.0442	0.390915

ZKSCAN1;PCOLCE;ZCWPW1;ZNF3;STAG3	-0.21916	-2.02602	0.044319	0.391268
	-0.33041	-2.02406	0.044522	0.391828
MZB1	-0.32118	-2.03005	0.043903	0.389965
	-0.15026	-2.02495	0.04443	0.391666
	-0.17095	-2.0216	0.044779	0.392443
C17orf97;DOC2B;FAM101B	-0.24277	-2.0199	0.044957	0.393001
	0.189384	2.030137	0.043894	0.389939
	-0.18859	-2.02842	0.044071	0.390455
	-0.21218	-2.02967	0.043942	0.390074
	0.222645	2.024095	0.044519	0.391828
	0.22202	2.028812	0.04403	0.390301
	-0.27107	-2.0187	0.045082	0.393209
	0.26088	2.026293	0.044291	0.391211
ADCY3	0.225122	2.026385	0.044281	0.391165
RPL41	-0.23436	-2.0267	0.044249	0.391066
PI16;RNF8;CPNE5;COX6A1P2	-0.21123	-2.02621	0.044299	0.391212
	-0.30487	-2.02236	0.044699	0.392239
	0.183087	2.025286	0.044395	0.391558
	-0.22056	-2.02316	0.044616	0.392025
	-0.15584	-2.02625	0.044295	0.391212
ENPP1	0.227765	2.02404	0.044524	0.391828
	0.276087	2.024601	0.044466	0.391787
	-0.22135	-2.02399	0.044529	0.391853
SOX21-AS1;GPR180;CLDN10;DNAJC3	-0.2579	-2.02165	0.044774	0.392435
	0.157174	2.027524	0.044163	0.390811
	0.217522	2.026971	0.04422	0.390969
	-0.23031	-2.02044	0.0449	0.39281
	-0.12666	-2.02449	0.044478	0.391818
	0.135785	2.028027	0.044111	0.390602
	0.229704	2.028689	0.044043	0.390345
KIF7;CRTC3;MFGE8	0.216265	2.023586	0.044572	0.391927
CLSTN2	-0.19587	-2.02438	0.044488	0.391828
PMP22;UBB;TRIM16	0.219868	2.025497	0.044373	0.39148
	0.238329	2.027569	0.044159	0.39079
	-0.28123	-2.02882	0.044029	0.390301
	-0.23707	-2.02692	0.044225	0.390974
TOMM40	-0.27268	-2.03046	0.043861	0.389827
	-0.15575	-2.02415	0.044513	0.391828
	0.148812	2.029471	0.043963	0.390114
	0.167528	2.021695	0.044769	0.392408
	0.296978	2.028103	0.044103	0.390596
	-0.28151	-2.02004	0.044942	0.392918
	-0.16912	-2.02433	0.044494	0.391828
	0.149773	2.023134	0.044619	0.392033
	0.288249	2.028097	0.044104	0.390596
PPARGC1B;ARHGEF37;ADRB2	-0.29269	-2.02738	0.044178	0.390856
	0.432384	2.028604	0.044052	0.390399

	0.201793	2.024565	0.04447	0.391787
	0.244884	2.023134	0.044619	0.392033
	-0.10136	-2.01673	0.04529	0.393615
	0.200964	2.024202	0.044507	0.391828
	-0.17746	-2.02557	0.044365	0.391478
	0.232681	2.026036	0.044317	0.391268
	0.103523	2.022942	0.044639	0.392086
PCDHB15	0.190764	2.021151	0.044826	0.392611
	0.171019	2.024071	0.044521	0.391828
	-0.16701	-2.01882	0.04507	0.393191
	-0.15884	-2.0257	0.044352	0.391396
	-0.18834	-2.02746	0.04417	0.390832
SECTM1	0.388473	2.02794	0.04412	0.390617
HMHA1;ARID3A;PPAP2C;GRIN3B;PCSK4;ATP8B3	-0.3061	-2.02895	0.044016	0.390231
ZNF418;ZNF154;ZNF135	0.169956	2.022512	0.044684	0.392207
	0.151551	2.022178	0.044718	0.392294
	0.240951	2.027061	0.044211	0.390959
	-0.17679	-2.02675	0.044243	0.391049
	0.26035	2.026035	0.044317	0.391268
	-0.12532	-2.02943	0.043967	0.390114
UNC93B1;GSTP1;ALDH3B1;MRGPRF;FAM86C2P;ALDH3B2;PITP				
NM1;TBC1D10C;AIP;ENSG00000255306;ENSG00000254610;E				
NSG00000261625;CDK2AP2;MTL5	-0.20682	-2.02577	0.044345	0.391367
	0.221355	2.015727	0.045396	0.393835
GPIHBP1;TSTA3;FAM83H-AS1;C8orf31;NRBP2	0.291143	2.024439	0.044483	0.391828
	0.129082	2.02715	0.044202	0.390926
TBC1D4;LMO7	-0.34965	-2.0213	0.04481	0.392548
ENSG00000197934;JAM2;CYR1;ENSG00000232692	-0.24696	-2.0204	0.044904	0.39281
OR1F12;ZNF391;ZKSCAN3	0.313996	2.027284	0.044188	0.390885
	0.205752	2.02551	0.044372	0.39148
PRDM1;ENSG00000235142	-0.18939	-2.0235	0.044581	0.39195
	-0.35944	-2.02849	0.044063	0.390425
	-0.32027	-2.02149	0.044791	0.392503
C19orf54;RPS16	0.21373	2.027512	0.044164	0.390813
	0.167272	2.026083	0.044312	0.391255
	0.316872	2.022098	0.044727	0.392297
	0.303513	2.021999	0.044737	0.392303
CERCAM;ODF2;COQ4;DNM1;GARNL3;ENG;SH2D3C;TTC16;ST6				
GALNAC6;RALGPS1;C9orf117;ANGPTL2;GLE1;LCN2;AK1;SNORA				
65	-0.36786	-2.02656	0.044262	0.39113
	0.272093	2.024402	0.044487	0.391828
	-0.30682	-2.02682	0.044236	0.391
FAM83H-AS1;LY6D;BAI1;FAM83H;PSCA;RHPN1-				
AS1;GPIHBP1;EEF1D	-0.26262	-2.01727	0.045233	0.393434
BIK;ARFGAP3	-0.2657	-2.02694	0.044224	0.390974
	-0.23135	-2.02391	0.044538	0.391862
NCF1B	-0.18053	-2.0166	0.045303	0.393632



FYB	0.277993	2.027121	0.044205	0.390928
	0.159496	2.024755	0.04445	0.391743
	0.185116	2.028901	0.044021	0.390241
	0.131611	2.02336	0.044595	0.392011
	0.236595	2.025438	0.044379	0.391488
SLC7A5	0.221262	2.027015	0.044216	0.390961
	-0.15153	-2.02279	0.044655	0.39212
	-0.14492	-2.02345	0.044586	0.391968
	0.234943	2.026431	0.044276	0.391165
	-0.17218	-2.02406	0.044522	0.391828
IL32;CLUAP1;C16orf71;ENSG00000263011	0.259245	2.024459	0.044481	0.391828
	0.223518	2.02794	0.04412	0.390617
	-0.16976	-2.02727	0.044189	0.390887
	0.214119	2.025782	0.044343	0.391367
	0.254632	2.027994	0.044115	0.390609
PPP1R7;HDLBP	0.204587	2.012731	0.045714	0.394675
	0.194402	2.021168	0.044824	0.392611
	0.251119	2.021089	0.044832	0.392617
	0.228584	2.029799	0.043929	0.390061
	0.213501	2.028487	0.044064	0.390425
PAR6B;ATP9A;MOCS3;CEBPB;DPM1;BCAS4;RNF114	0.118509	2.02603	0.044318	0.391268
	-0.13341	-2.02379	0.04455	0.391899
	0.141103	2.029203	0.04399	0.390175
	-0.33885	-2.01573	0.045396	0.393835
	0.11343	2.018582	0.045095	0.393222
ASA1	0.163207	2.025939	0.044327	0.391298
	-0.18431	-2.02508	0.044417	0.391619
	-0.17175	-2.02859	0.044053	0.390402
	0.337522	2.027125	0.044205	0.390928
	-0.27696	-2.02803	0.044111	0.390602
PSMD14;TANK	0.229697	2.028993	0.044012	0.390223
	-0.27216	-2.02258	0.044676	0.392196
	-0.243	-2.01824	0.045131	0.393266
	0.220606	2.025105	0.044414	0.391601
	0.231309	2.022425	0.044693	0.392215
NCKAP1L;ITGA5;PRR13	0.305841	2.01896	0.045055	0.393155
	0.325715	2.025863	0.044335	0.391335
NAPSB;MYH14	0.201912	2.026865	0.044231	0.390985
	0.271207	2.026419	0.044278	0.391165
	0.130384	2.020739	0.044869	0.392715
	0.30621	2.022753	0.044658	0.392132
	-0.15313	-2.02388	0.044541	0.391876
WBP1L;SH3PXD2A;CNNM2;NT5C2	-0.26639	-2.02221	0.044715	0.392294
	-0.26341	-2.0269	0.044227	0.390974
ENSG00000260806;GSKIP;AK7	0.228287	2.023779	0.044551	0.391899
RASAL2;RALGPS2	0.320098	2.028974	0.044014	0.390223
	-0.18935	-2.02456	0.04447	0.391787

	0.204192	2.018768	0.045076	0.393209
	0.315024	2.02545	0.044378	0.391486
FAM83H-AS1	-0.23164	-2.02628	0.044292	0.391212
SIGIRR	-0.39948	-2.02927	0.043983	0.390159
	0.183137	2.023868	0.044542	0.391877
	-0.2606	-2.02835	0.044078	0.390478
	0.316329	2.026907	0.044227	0.390974
PSMD8	-0.12755	-2.02211	0.044725	0.392297
	0.19502	2.025236	0.0444	0.391572
	-0.1237	-2.02522	0.044402	0.391578
	0.218667	2.024277	0.0445	0.391828
	0.273404	2.028909	0.04402	0.390241
	-0.24713	-2.02081	0.044862	0.392709
PNLDC1	0.219815	2.018904	0.045061	0.393164
NLRP1;C1QBP;P2RX1;ZZEF1;PSMB6;ARRB2;NUP88	-0.23484	-2.02724	0.044192	0.390892
	0.150605	2.02396	0.044533	0.391856
	-0.19108	-2.02324	0.044607	0.392015
	0.211975	2.02115	0.044826	0.392611
	0.245472	2.018692	0.045084	0.393209
	0.245893	2.023312	0.0446	0.392015
	-0.18408	-2.02773	0.044142	0.390718
	0.194838	2.019391	0.04501	0.393118
	-0.16712	-2.02688	0.04423	0.390985
SEMA7A;PML	-0.26762	-2.02811	0.044103	0.390596
ENSG00000270681	-0.31064	-2.02239	0.044696	0.39223
PLXND1;GATA2;ENSG00000244300	-0.23156	-2.02309	0.044624	0.392061
	-0.36712	-2.02702	0.044216	0.390961
	-0.23026	-2.02598	0.044323	0.391289
	-0.13276	-2.02583	0.044339	0.391349
	-0.2111	-2.02796	0.044118	0.390617
RN7SL2	-0.20169	-2.0218	0.044758	0.392378
	-0.26834	-2.02361	0.044569	0.391927
	0.186667	2.017636	0.045195	0.393383
	0.200257	2.014273	0.04555	0.394228
ACSL5	0.208627	2.023587	0.044571	0.391927
	-0.16434	-2.0236	0.04457	0.391927
	-0.1723	-2.01063	0.045938	0.395191
TMPRSS4	-0.26653	-2.02407	0.044521	0.391828
	-0.19877	-2.02056	0.044888	0.392769
	0.233791	2.018147	0.045141	0.393274
	-0.13821	-2.02287	0.044646	0.392086
RADIL;FOXK1;TNRC18;FSCN1;RNF216	0.376024	2.013481	0.045634	0.394397
	-0.16574	-2.02518	0.044406	0.391599
	0.201785	2.022128	0.044724	0.392294
ATP6V1B1;PAIP2B	0.25885	2.024989	0.044426	0.39166
	-0.29479	-2.02417	0.044511	0.391828
RYR3	0.313074	2.029844	0.043924	0.390047

	0.145411	2.021923	0.044745	0.392312
	-0.17507	-2.02125	0.044815	0.392577
	0.23356	2.023744	0.044555	0.391902
CD3E	0.144692	2.02425	0.044503	0.391828
IL20RA;MAP7;MAP3K5;ENSG00000237499	-0.39778	-2.02305	0.044627	0.392078
	0.297672	2.024826	0.044443	0.391719
IL7R	-0.3051	-2.02477	0.044449	0.391738
CARNS1;TBC1D10C;DPP3;GSTP1	-0.27868	-2.01892	0.045059	0.393164
PIGCP1;CD59	0.198258	2.017854	0.045172	0.393339
ENSG00000261659	0.243876	2.024298	0.044498	0.391828
	0.266775	2.015421	0.045428	0.393887
	0.120849	2.023018	0.044631	0.392083
	0.224216	2.023735	0.044556	0.391902
LOH12CR1	0.267758	2.024237	0.044504	0.391828
	0.236801	2.022685	0.044666	0.392162
	-0.18137	-2.02053	0.04489	0.392769
	-0.25619	-2.02248	0.044687	0.392207
	0.161022	2.020897	0.044852	0.392686
	-0.129	-2.01552	0.045418	0.393859
TAL1;IPP;TSPAN1;CYP4B1;PRDX1;TMEM69	0.231668	2.02163	0.044776	0.392436
	-0.17676	-2.02299	0.044633	0.392086
	0.190589	2.026013	0.04432	0.391268
	0.191317	2.015893	0.045379	0.393821
PCOLCE;ZKSCAN1;ZCWPW1;ZNF3;RABL5;ZNHIT1;STAG3;GAL3S				
T4;AP4M1;AP1S1;ENSG00000239521	-0.15897	-2.01911	0.045039	0.393147
	-0.21681	-2.02567	0.044355	0.391415
	0.208539	2.017328	0.045227	0.393416
FAM107B;CDNF;MEIG1;ACBD7;FRMD4A;ITGA8;RPP38;C10orf1				
11	-0.34989	-2.02203	0.044734	0.392303
	0.262557	2.026687	0.04425	0.391066
DNAJA4;WDR61;ACSBG1	-0.30242	-2.02024	0.044921	0.392842
	-0.25006	-2.02556	0.044367	0.391479
TNFRSF1B	0.231384	2.02576	0.044346	0.391367
	-0.34894	-2.02601	0.04432	0.391268
ENSG00000115128;NCOA1;KLHL29	-0.23875	-2.02061	0.044882	0.39276
XPNPEP1	0.244031	2.01578	0.04539	0.393835
	0.177443	2.026674	0.044251	0.39107
FARP1	-0.25845	-2.02583	0.044339	0.391349
	0.197655	2.011457	0.04585	0.394874
CLDN5;ZDHHC8;CLTCL1	0.196981	2.02414	0.044514	0.391828
	0.280722	2.022143	0.044722	0.392294
	-0.23345	-2.02307	0.044625	0.392064
PMP2	-0.2139	-2.02731	0.044185	0.390866
SSBP3;DHCR24	0.270868	2.023628	0.044567	0.391927
GPX8	0.259485	2.018008	0.045155	0.393299
	0.261935	2.026656	0.044253	0.391078
	0.187614	2.018977	0.045054	0.393155

IRX3;IRX5	0.180637	2.02363	0.044567	0.391927
	-0.17061	-2.02457	0.04447	0.391787
	0.108966	2.024035	0.044525	0.391828
	0.175397	2.019667	0.044981	0.393069
	-0.23225	-2.01934	0.045016	0.393118
SLAMF1;ARHGAP30;CD244;LY9;SLAMF6;CD84;CD48;SLAMF7;FCGR3A;FCGR2B	-0.25517	-2.02577	0.044344	0.391367
	0.148993	2.02428	0.044499	0.391828
	0.184743	2.025528	0.04437	0.39148
	0.169029	2.022334	0.044702	0.392247
	-0.21472	-2.01534	0.045437	0.393913
	0.19428	2.024412	0.044486	0.391828
SHANK3;MAPK12;MAPK11;C22orf34;ENSG00000235111 STAT5A;IFI35	-0.22907	-2.02488	0.044437	0.391688
	-0.20285	-2.02496	0.044429	0.39166
	-0.29223	-2.02692	0.044226	0.390974
	0.333206	2.026692	0.044249	0.391066
ENSG00000269069 HCP5;TAP1;TAP2;HLA-DOA;HLA-B;HLA-DMA;HLA-DMB;HLA-C;PSMB9;MICB;TAPSAR1;HSPA1A;HLA-DPB1;HLA-DPA1;HSPA1B;HLA-DRA;LTB	0.208692	2.021166	0.044824	0.392611
	0.206065	2.023418	0.044589	0.391975
	0.195611	2.023578	0.044572	0.391927
	0.228033	2.025616	0.044361	0.391447
	-0.19559	-2.02407	0.044522	0.391828
	0.233965	2.016302	0.045335	0.393693
	0.109815	2.018923	0.045059	0.393164
	0.300876	2.018325	0.045122	0.393266
	-0.21809	-2.02337	0.044594	0.392006
	-0.31276	-2.02411	0.044518	0.391828
	0.223131	2.015019	0.045471	0.393998
FAM65A;ENSG00000266801;CTCF CCL28;C5orf34;ZNF131;ENSG00000249492;NNT;NNT-AS1;GHR;FGF10;FGF10-AS1;ENSG00000215068	0.270895	2.022912	0.044642	0.392086
	-0.22768	-2.02324	0.044607	0.392015
	0.272358	2.026309	0.044289	0.39121
CAPN5;LRRC32;AAMDC	0.216702	2.022107	0.044726	0.392297
	-0.32285	-2.02098	0.044843	0.392675
	0.183295	2.022451	0.04469	0.392215
SLC44A4;PPP1R18;TNXB SNAPC5;AAGAB;IQCH;VWA9;PTPLAD1;SMAD6	0.232357	2.024557	0.044471	0.391787
	-0.21751	-2.02385	0.044544	0.391886
	-0.21022	-2.02353	0.044577	0.391941
MAN2B1	0.157074	2.024016	0.044527	0.391838
	0.303694	2.025037	0.044421	0.391647
LAX1	0.233634	2.022576	0.044677	0.392196
	0.271544	2.02464	0.044462	0.391768
C15orf52;ENSG00000261183;DLL4;SPINT1;RMDN3	0.228573	2.02316	0.044616	0.392025
	-0.14456	-2.01752	0.045207	0.393383
GATAD2A	-0.26509	-2.02113	0.044828	0.392614
	-0.2425	-2.02316	0.044615	0.392025

ENTPD5	-0.22393	-2.02468	0.044458	0.391755
	-0.208	-2.02603	0.044318	0.391268
	-0.15766	-2.02194	0.044743	0.392303
	-0.12189	-2.02394	0.044535	0.391856
	0.209982	2.019146	0.045036	0.393147
C11orf49	0.195367	2.022929	0.04464	0.392086
ATP6V0A2	-0.23772	-2.027	0.044218	0.390963
ERGIC3;MYL9	-0.27939	-2.02327	0.044605	0.392015
LRRC48;FBXW10;ALKBH5;MIEF2;ENSG00000232344;ENSG00000226145;ATPAF2;PLD6;NT5M;TRIM16L	-0.28345	-2.01368	0.045613	0.39435
	-0.08931	-2.01809	0.045147	0.393276
	-0.11882	-2.02227	0.044709	0.39226
	0.275696	2.017088	0.045252	0.393452
TBX2;TBX4	0.241424	2.018545	0.045099	0.393222
C15orf52;DLL4;SPINT1;NUSAP1;CHP1;CASC5	-0.28551	-2.02581	0.044341	0.391363
	-0.22948	-2.02243	0.044692	0.392215
	-0.18525	-2.02388	0.044541	0.391876
HEBP2;KIAA1244;REPS1	0.266363	2.019058	0.045045	0.39315
	0.235746	2.018791	0.045073	0.393209
	0.289203	2.019807	0.044966	0.393032
	-0.22137	-2.02595	0.044326	0.391298
	0.327526	2.026865	0.044231	0.390985
	0.193312	2.0217	0.044768	0.392408
	0.145291	2.022306	0.044705	0.392247
	0.233997	2.022312	0.044704	0.392247
	0.158786	2.021974	0.04474	0.392303
	-0.26736	-2.02452	0.044474	0.391807
SKI;PRDM16	0.28557	2.02636	0.044284	0.391179
	0.219967	2.021369	0.044803	0.392547
	0.237444	2.026197	0.0443	0.391212
	0.214559	2.019771	0.04497	0.393046
SLA2;EPB41L1	-0.25446	-2.02176	0.044762	0.392403
	0.1661	2.023296	0.044602	0.392015
ZNF606;ENSG00000267858;CENPBD1P1;ENSG00000268912	-0.26976	-2.01634	0.045331	0.393693
	0.102319	2.021464	0.044793	0.392515
	0.292798	2.023773	0.044552	0.391899
	0.212415	2.027763	0.044139	0.390704
	0.182991	2.027051	0.044212	0.39096
RPA3;CYTH3;RSPH10B2;ENSG00000198580;ICA1;MIOS TIMM44	-0.39221	-2.0249	0.044434	0.391687
	0.19719	2.019174	0.045033	0.393143
	0.18979	2.01701	0.045261	0.393516
	-0.16402	-2.02623	0.044297	0.391212
	0.223407	2.023688	0.044561	0.391927
	-0.18356	-2.02661	0.044257	0.391101
	-0.2786	-2.02162	0.044777	0.392436
	0.129942	2.022	0.044737	0.392303

	0.204398	2.023229	0.044609	0.392015
	0.216624	2.016732	0.04529	0.393615
	0.224121	2.017219	0.045239	0.393434
	0.149534	2.020103	0.044935	0.392915
	0.145395	2.020671	0.044876	0.392727
	-0.17451	-2.02197	0.04474	0.392303
	0.181082	2.025921	0.044329	0.391298
	-0.2783	-2.01808	0.045147	0.393276
	0.176278	2.022883	0.044645	0.392086
PALD1;SGPL1;CDH23;UNC5B-AS1	-0.23288	-2.01784	0.045173	0.393339
	0.221121	2.022843	0.044649	0.392098
	-0.17033	-2.01896	0.045055	0.393155
	-0.24991	-2.02303	0.04463	0.392083
ENSG00000268885;ENSG00000225138	0.221907	2.021754	0.044763	0.392403
EGFLAM;LIFR	0.329217	2.024329	0.044494	0.391828
	0.254646	2.024166	0.044511	0.391828
	0.300604	2.017592	0.045199	0.393383
	0.245879	2.025233	0.0444	0.391572
	0.199576	2.021687	0.04477	0.392408
	0.150938	2.023291	0.044602	0.392015
	-0.20076	-2.02277	0.044656	0.39212
	0.133238	2.019333	0.045016	0.393118
	-0.14146	-2.02196	0.044741	0.392303
C2orf54	-0.28905	-2.01766	0.045192	0.393383
	-0.2931	-2.02391	0.044537	0.391862
	-0.20904	-2.02131	0.044809	0.392548
	-0.25477	-2.02149	0.04479	0.392503
HHAT;IRF6;HSD11B1	-0.30648	-2.01457	0.045519	0.394182
	0.182592	2.023442	0.044587	0.391968
	0.216994	2.019309	0.045019	0.393118
	0.1645	2.025265	0.044397	0.391559
MAP7;IL20RA;MAP3K5;PEX7;ENSG00000220412	-0.36634	-2.02368	0.044562	0.391927
GRK5	0.189418	2.020054	0.044941	0.392918
	0.232988	2.024108	0.044517	0.391828
	0.16496	2.022346	0.044701	0.392247
CUL4A	0.206594	2.017989	0.045158	0.393299
	-0.28461	-2.02037	0.044908	0.392814
	-0.18468	-2.01537	0.045434	0.393913
SPSB1;SLC45A1	-0.32014	-2.02489	0.044437	0.391688
THBS2	0.363222	2.01865	0.045088	0.393222
	-0.16227	-2.02641	0.044278	0.391165
	-0.21901	-2.0209	0.044852	0.392686
	-0.13103	-2.01395	0.045585	0.394297
	-0.22043	-2.0208	0.044862	0.392709
	-0.2177	-2.02108	0.044833	0.392617
SOX7	-0.22083	-2.01954	0.044995	0.393114
	0.136579	2.020858	0.044856	0.392691

	-0.14221	-2.02322	0.044609	0.392015
	0.171616	2.019262	0.045024	0.393118
	-0.25301	-2.01543	0.045428	0.393887
	-0.13018	-2.02125	0.044816	0.392577
	-0.25745	-2.02362	0.044568	0.391927
	0.245279	2.022503	0.044684	0.392207
	0.248764	2.02328	0.044603	0.392015
	-0.24461	-2.01818	0.045137	0.393268
	0.112686	2.021184	0.044822	0.392611
GRPEL1	0.150936	2.01521	0.045451	0.393931
HIST1H3A	0.194622	2.021097	0.044831	0.392617
IRF4	0.391153	2.02515	0.044409	0.391601
ABHD2;FES;PEX11A;WDR93	-0.26433	-2.02434	0.044493	0.391828
	-0.23897	-2.02153	0.044786	0.392498
	-0.16263	-2.02436	0.044491	0.391828
	-0.19075	-2.02269	0.044665	0.392162
CIITA	0.250811	2.025414	0.044382	0.391488
	0.132612	2.01995	0.044951	0.392989
	-0.31613	-2.02027	0.044918	0.392839
KCTD11;XAF1;CYB5D1	-0.12664	-2.02189	0.044748	0.392335
	-0.27623	-2.01739	0.04522	0.393416
TBX19;RCSD1	-0.20844	-2.02325	0.044607	0.392015
	-0.14618	-2.02061	0.044882	0.39276
	0.096468	2.017121	0.045249	0.393438
	0.228679	2.019478	0.045001	0.393114
CARS	0.284009	2.026111	0.044309	0.391246
	-0.16885	-2.01565	0.045404	0.39385
	0.182556	2.018254	0.04513	0.393266
	0.12135	2.012218	0.045768	0.394675
TSPAN1;ENSG00000226252	-0.24699	-2.0148	0.045494	0.394068
	-0.1618	-2.02045	0.044899	0.39281
	-0.19141	-2.01558	0.045412	0.393852
	0.223052	2.021687	0.04477	0.392408
	0.195284	2.021379	0.044802	0.392547
	0.108784	2.012355	0.045754	0.394675
	0.213512	2.023241	0.044608	0.392015
	0.192701	2.018044	0.045152	0.393289
	0.153897	2.018256	0.045129	0.393266
LDB2;ENSG00000251379;C1QTNF7	-0.24575	-2.02033	0.044912	0.392824
B3GNT3;NR2F6;PLVAP;USHBP1	-0.2029	-2.014	0.045579	0.394297
	-0.17735	-2.02326	0.044606	0.392015
ABHD3;SNRPD1	-0.31784	-2.01927	0.045022	0.393118
	-0.18033	-2.02151	0.044788	0.392503
	-0.29011	-2.02058	0.044886	0.392767
	0.293269	2.022137	0.044723	0.392294
HAPLN3;ENSG00000259561;WDR93	-0.26997	-2.02412	0.044516	0.391828
	0.140665	2.018516	0.045102	0.393233

CMTM6;DYNC1LI1;CNOT10;STT3B	0.243651	2.019205	0.04503	0.393138
	0.266808	2.019537	0.044995	0.393114
	0.200426	2.02198	0.044739	0.392303
ARL15	-0.28348	-2.01871	0.045082	0.393209
	0.185711	2.024317	0.044496	0.391828
	0.32556	2.022545	0.04468	0.392201
RASSF1	0.274513	2.022089	0.044728	0.392297
	-0.16428	-2.02416	0.044512	0.391828
	-0.25591	-2.01254	0.045734	0.394675
DPF3	-0.22981	-2.02253	0.044681	0.392203
	0.241761	2.02024	0.044921	0.392842
	0.227082	2.020349	0.04491	0.392821
TVP23B;COPS3	-0.18569	-2.0226	0.044675	0.392196
	0.23453	2.016064	0.04536	0.39376
	-0.17427	-2.01349	0.045634	0.394397
SHH	-0.18582	-2.01629	0.045336	0.393693
	0.198099	2.018063	0.04515	0.393287
	0.155853	2.016663	0.045297	0.393615
SERPINB9	-0.23394	-2.02444	0.044483	0.391828
	0.227024	2.023488	0.044582	0.39195
	-0.21807	-2.01872	0.045081	0.393209
CNOT11	0.305494	2.024116	0.044516	0.391828
	0.232573	2.018344	0.04512	0.393264
	0.183369	2.019475	0.045001	0.393114
TRAPPC10	-0.27005	-2.01854	0.045099	0.393222
	0.20577	2.021989	0.044738	0.392303
	0.181403	2.019678	0.04498	0.393069
N4BP2L2;HSPH1	-0.20892	-2.01602	0.045366	0.39378
	0.232419	2.023503	0.04458	0.39195
	0.250171	2.024212	0.044506	0.391828
WDR45B;PCYT2	0.189806	2.023575	0.044573	0.391927
	-0.25499	-2.02043	0.044901	0.39281
	-0.18061	-2.01826	0.045129	0.393266
SIAH2	-0.21281	-2.01778	0.04518	0.393352
	0.290342	2.023533	0.044577	0.391941
	0.20017	2.020947	0.044847	0.392676
TECPR1;BHLHA15	-0.14694	-2.01924	0.045026	0.393124
	-0.22773	-2.01231	0.045758	0.394675
	0.117227	2.010555	0.045946	0.395211
DNAH17	0.168963	2.017631	0.045195	0.393383
	-0.18018	-2.02227	0.044709	0.39226
	0.231348	2.019001	0.045051	0.393155
ENSG00000223991	0.151913	2.014933	0.04548	0.394037
	0.19553	2.022443	0.044691	0.392215
	0.251622	2.01338	0.045645	0.394438
PDCD6;NKD2	0.164655	2.019253	0.045025	0.393118
	-0.13247	-2.01933	0.045017	0.393118
MAP7;ENSG00000227844;PDE7B				



BNIP3	0.242223	2.025004	0.044424	0.39166
	0.235143	2.017703	0.045188	0.393383
	-0.27446	-2.0202	0.044925	0.392862
SNAI2;SPIDR;EFCAB1	0.283804	2.015628	0.045407	0.393852
	-0.19662	-2.01136	0.04586	0.394913
PTP4A3	-0.262	-2.02074	0.044868	0.392715
FOXS1;CCM2L;TM9SF4;TTLL9;BCL2L1	-0.22262	-2.02136	0.044803	0.392547
ENSG00000272054	0.267262	2.017672	0.045191	0.393383
	-0.20996	-2.0158	0.045389	0.393835
ENSG00000253168	-0.26701	-2.01974	0.044974	0.393046
	-0.13831	-2.01942	0.045008	0.393114
	0.173768	2.020382	0.044906	0.39281
MTND4P23	-0.17219	-2.01968	0.04498	0.393069
	0.224815	2.022699	0.044664	0.392162
	0.165543	2.020588	0.044885	0.392767
C1orf174	0.170068	2.018587	0.045095	0.393222
	-0.19334	-2.01829	0.045126	0.393266
RNF144A	-0.26096	-2.01911	0.04504	0.393147
	0.139983	2.020575	0.044886	0.392767
LAX1	-0.17954	-2.01821	0.045134	0.393266
MFNG;CSF2RB;IL2RB;CYTH4;RAC2	-0.29108	-2.02214	0.044722	0.392294
	0.298582	2.020412	0.044903	0.39281
COL16A1;SDC3;TINAGL1	0.276456	2.016548	0.045309	0.393651
	0.170231	2.014745	0.0455	0.394106
	0.171287	2.009417	0.046067	0.395561
	-0.18647	-2.02248	0.044687	0.392207
NXPH3;COL1A1;SGCA;ANKRD40;CACNA1G;LRRC59;SLC35B1	0.282	2.021742	0.044764	0.392406
	-0.82318	-2.01842	0.045112	0.393255
	0.248654	2.022657	0.044668	0.39218
	-0.17419	-2.01567	0.045402	0.393841
	0.229171	2.022029	0.044734	0.392303
	-0.2446	-2.02294	0.044639	0.392086
	-0.20795	-2.0165	0.045315	0.393657
	-0.26024	-2.02021	0.044924	0.392862
	-0.24008	-2.01597	0.04537	0.393791
	0.163073	2.02422	0.044506	0.391828
	-0.22752	-2.02465	0.04446	0.391768
	0.215627	2.020719	0.044871	0.392715
	0.217402	2.017414	0.045218	0.393411
	-0.25711	-2.01411	0.045568	0.394297
	-0.18924	-2.02085	0.044857	0.392691
NRROS;ENSG00000224769;TNK2;MUC20;LINC00885	0.28458	2.019807	0.044966	0.393032
	0.132903	2.016727	0.04529	0.393615
SNORD3B-1	0.458762	2.020078	0.044938	0.392917
RHBDF2	-0.24223	-2.02288	0.044645	0.392086
	0.155211	2.018639	0.045089	0.393222

	-0.24701	-2.01963	0.044985	0.393076
	0.217427	2.020281	0.044917	0.392839
	0.21802	2.016251	0.045341	0.393702
	0.250672	2.015432	0.045427	0.393887
ZDHC14;EZR	0.222599	2.023946	0.044534	0.391856
	0.250689	2.020696	0.044873	0.392718
	0.145601	2.016665	0.045297	0.393615
ERBB3;DNAJC14;PTGES3;ARHGAP9;ITGA7;BAZ2A	-0.30515	-2.01943	0.045006	0.393114
	0.214396	2.02029	0.044916	0.392839
LPCAT1;PDCD6;TPPP	-0.22844	-2.01782	0.045175	0.393339
	0.183006	2.024214	0.044506	0.391828
	-0.25493	-2.01846	0.045108	0.393234
	0.155785	2.016139	0.045353	0.393752
SNORD109A	-0.16247	-2.01726	0.045235	0.393434
	-0.20671	-2.02139	0.0448	0.392547
	-0.28779	-2.02624	0.044296	0.391212
	0.290738	2.019513	0.044997	0.393114
	-0.24247	-2.0116	0.045835	0.394844
	0.102193	2.016229	0.045343	0.393709
	0.247227	2.019335	0.045016	0.393118
CYTH4;GTPBP1;CBX6	-0.20041	-2.01529	0.045443	0.39393
	0.166966	2.020953	0.044846	0.392676
SNORA74A;CTNNA1	-0.19469	-2.02169	0.044769	0.392408
	-0.17007	-2.01993	0.044954	0.392994
ENSG00000232637	-0.28623	-2.01731	0.045229	0.393416
	-0.18931	-2.01656	0.045308	0.393651
	-0.33867	-2.01753	0.045206	0.393383
	0.140891	2.018888	0.045063	0.393164
	-0.1676	-2.01945	0.045004	0.393114
	-0.20092	-2.02038	0.044907	0.39281
FAM78A;FNBP1	0.316958	2.021001	0.044841	0.392665
	0.143521	2.019275	0.045022	0.393118
	0.170341	2.017819	0.045175	0.393339
	0.297817	2.021026	0.044839	0.392651
	-0.16724	-2.01607	0.045359	0.39376
	0.131861	2.009441	0.046065	0.395561
SACS	0.266313	2.021359	0.044804	0.392547
	0.142569	2.018238	0.045131	0.393266
	0.230583	2.015571	0.045413	0.393852
CEP104;DFFB;MEGF6	-0.20499	-2.02316	0.044616	0.392025
	-0.19878	-2.01737	0.045223	0.393416
	0.266182	2.021813	0.044757	0.392378
	0.186016	2.018982	0.045053	0.393155
	-0.2391	-2.01767	0.045191	0.393383
	-0.16178	-2.02096	0.044845	0.392676
	0.172879	2.021876	0.04475	0.392339
	0.211231	2.016683	0.045295	0.393615

	-0.1182	-2.01649	0.045316	0.393659
SCO1	0.20094	2.020861	0.044856	0.392691
LAD1;KIF21B;NAV1	-0.20566	-2.0207	0.044873	0.392718
	-0.2632	-2.01916	0.045034	0.393145
	0.157839	2.019096	0.045041	0.39315
FAU	0.17463	2.019543	0.044994	0.393114
RBP1	0.255174	2.022572	0.044677	0.392196
OSR1	0.257295	2.013721	0.045609	0.39432
	-0.11769	-2.01748	0.045211	0.393393
WDR45B;PCYT2;MAFG-AS1;NOTUM;TBCD;LRRC45	-0.28885	-2.01889	0.045063	0.393164
	-0.13862	-2.01741	0.045218	0.393411
	-0.23421	-2.02376	0.044554	0.391902
	0.166549	2.022159	0.04472	0.392294
	0.141585	2.018974	0.045054	0.393155
	0.193758	2.012856	0.045701	0.394651
	0.255568	2.019653	0.044983	0.393071
	0.257237	2.016282	0.045337	0.393695
	-0.15141	-2.01865	0.045088	0.393222
	-0.16092	-2.01749	0.04521	0.393393
	0.242537	2.019282	0.045022	0.393118
ENSG00000263264	-0.21375	-2.01266	0.045721	0.394675
	0.155899	2.020243	0.044921	0.392842
SERPINB9	0.342116	2.023607	0.044569	0.391927
	-0.20448	-2.0182	0.045135	0.393266
CALML3-AS1;AKR1C2	-0.42238	-2.01873	0.04508	0.393209
	-0.27067	-2.01764	0.045195	0.393383
CCDC88A;C2orf73;SMEK2;EML6;RPL23AP32;CLHC1;CCDC104	-0.35946	-2.02526	0.044397	0.391559
	0.248162	2.018128	0.045143	0.393275
ARHGAP15	-0.36644	-2.01892	0.045059	0.393164
	-0.29411	-2.01983	0.044964	0.393031
	0.163289	2.019197	0.04503	0.393138
	0.262786	2.019392	0.04501	0.393118
MAP4K1;PLEKHG2;PAF1	-0.26866	-2.02103	0.044839	0.392651
	0.335408	2.022797	0.044654	0.39212
	-0.17347	-2.01626	0.04534	0.393702
	-0.18001	-2.0185	0.045104	0.393234
	0.192311	2.023194	0.044612	0.392025
MLLT4	-0.28816	-2.01754	0.045204	0.393383
	-0.20726	-2.01928	0.045022	0.393118
	0.157807	2.015104	0.045462	0.393976
	0.222123	2.020331	0.044912	0.392824
	0.272968	2.019853	0.044962	0.393019
GLTSCR1L	0.182689	2.011791	0.045814	0.394792
	-0.18833	-2.02342	0.044589	0.391975
FRMPD2;CTGLF12P;C10orf128	0.220869	2.020749	0.044868	0.392715
	0.183813	2.021149	0.044826	0.392611

PLEKHA7;INSC	0.182134	2.022302	0.044705	0.392247
	0.292076	2.019873	0.04496	0.393008
	-0.32856	-2.02109	0.044832	0.392617
	-0.13439	-2.01117	0.04588	0.394988
TOPBP1	-0.36826	-2.01759	0.0452	0.393383
	-0.16622	-2.0162	0.045346	0.393719
	0.130227	2.01537	0.045434	0.393913
	-0.10279	-2.01256	0.045732	0.394675
ENSG00000235096	-0.2192	-2.02196	0.044742	0.392303
	-0.1671	-2.01681	0.045281	0.393593
	0.230211	2.013783	0.045602	0.394312
	0.216483	2.022899	0.044643	0.392086
DOC2B	0.199597	2.022484	0.044686	0.392207
	0.183973	2.019671	0.044981	0.393069
CEP89;ENSG00000266930	-0.25578	-2.01812	0.045144	0.393275
	0.232974	2.019425	0.045007	0.393114
TRPM2	0.246838	2.02256	0.044679	0.392196
ADAM12	0.268386	2.022011	0.044736	0.392303
	-0.33033	-2.02291	0.044642	0.392086
	0.180895	2.022716	0.044662	0.392158
	0.170233	2.017941	0.045163	0.393319
	0.250636	2.019692	0.044979	0.393069
DNAL1;LTBP2;FCF1;ISCA2;CCDC176;PNMA1;DPF3;PAPLN;ELMS AN1;PTGR2;ENTPD5;FAM161B RINT1;KMT2E;CDHR3;EFCAB10;RELN	-0.21545	-2.01431	0.045546	0.394219
	-0.39624	-2.01855	0.045099	0.393222
	0.203683	2.023712	0.044558	0.391915
ZDHC13	-0.36137	-2.01594	0.045374	0.393809
NTAN1;ERCC4;NOMO1;ABCC6P2	-0.22948	-2.01974	0.044974	0.393046
	0.162395	2.020928	0.044849	0.392677
TRAPPC2L	0.183242	2.009031	0.046109	0.395618
TAP1;TAP2;TAPSAR1;PSMB9;HLA-DMB;GPSM3;TAPBP	0.350413	2.0199	0.044957	0.393001
	-0.15739	-2.01597	0.045371	0.393791
	-0.24287	-2.02213	0.044724	0.392294
	-0.36189	-2.01463	0.045513	0.39416
IFNG-AS1;MDM1	-0.24787	-2.01918	0.045032	0.393143
	0.221824	2.019044	0.045047	0.39315
	-0.10134	-2.00777	0.046244	0.395952
	0.167231	2.01775	0.045183	0.393366
LINC01132	-0.15995	-2.01784	0.045173	0.393339
	-0.16158	-2.01172	0.045821	0.394792
	-0.13444	-2.01805	0.045152	0.393289
	-0.1536	-2.016	0.045367	0.393782
	-0.20029	-2.01852	0.045102	0.393233
	0.1492	2.012317	0.045758	0.394675
	0.22546	2.019415	0.045008	0.393114
	0.372214	2.017994	0.045157	0.393299
	0.242989	2.020514	0.044892	0.392774

LINC00920	0.165578	2.021944	0.044743	0.392303
NXPH3;COL1A1;SGCA;ANKRD40;LRRC59;CACNA1G;SLC35B1;M				
BTD1	0.232024	2.012393	0.04575	0.394675
	0.172163	2.018564	0.045097	0.393222
RPS21	-0.19551	-2.02027	0.044917	0.392839
	-0.19524	-2.01831	0.045124	0.393266
	0.333298	2.020937	0.044848	0.392676
	-0.18909	-2.02012	0.044933	0.392908
	0.250313	2.017637	0.045195	0.393383
	-0.24917	-2.0222	0.044716	0.392294
	-0.19249	-2.0157	0.045399	0.393835
	-0.17968	-2.01949	0.044999	0.393114
	-0.39053	-2.02162	0.044776	0.392436
	0.185724	2.020089	0.044937	0.392915
	0.164899	2.017142	0.045247	0.393438
	-0.20442	-2.01361	0.045621	0.394379
	0.201001	2.021602	0.044779	0.392443
	-0.2802	-2.02396	0.044533	0.391856
	0.21705	2.01068	0.045932	0.395191
PRIM2	0.208631	2.012509	0.045737	0.394675
	-0.26584	-2.01699	0.045263	0.393526
KANSL1-AS1;LRRC37A4P	0.312009	2.016403	0.045325	0.393687
	-0.20092	-2.0163	0.045336	0.393693
SLC50A1;MUC1;PEAR1;MEF2D;SMG5	0.172959	2.017892	0.045168	0.393339
CALD1;CNOT4	0.25489	2.019464	0.045002	0.393114
	0.192164	2.018477	0.045106	0.393234
	0.283049	2.020805	0.044862	0.392709
	0.22496	2.023166	0.044615	0.392025
PTCHD3P1	0.297864	2.01573	0.045396	0.393835
GATAD1	0.288849	2.017552	0.045204	0.393383
DNAJA4;WDR61;ACSBG1;PSTPIP1;SCAPER;TSPAN3	-0.24495	-2.01856	0.045098	0.393222
	0.224652	2.018845	0.045067	0.39318
	0.101418	2.020133	0.044932	0.392908
ENSG00000235245;MTG1;ENSG00000214279;SPRN	0.200137	2.013993	0.04558	0.394297
KCTD1;CHST9;AQP4;AQP4-AS1;ENSG00000264151	-0.31283	-2.01267	0.045721	0.394675
	-0.16067	-2.01633	0.045332	0.393693
	-0.13855	-2.01347	0.045635	0.394399
	-0.2391	-2.01791	0.045165	0.393328
TANC2;ERN1;CD79B;MAP3K3	-0.20518	-2.02333	0.044598	0.392015
	-0.11956	-2.01433	0.045544	0.394219
HOXB-AS2	-0.45249	-2.01542	0.045429	0.393887
	0.151149	2.015551	0.045415	0.393852
ANXA4;ARHGAP25;AAK1;ENSG00000188971;NFU1	-0.30075	-2.01794	0.045162	0.393319
CPXM2	-0.2533	-2.01504	0.045468	0.393998
AP1M2;COL5A3;ICAM1;KANK2;PDE4A	0.230706	2.017919	0.045165	0.393328
TPPP;PDCD6;TRIP13	-0.27122	-2.01858	0.045095	0.393222
	-0.31139	-2.01639	0.045326	0.393687

	0.247351	2.012332	0.045756	0.394675
	0.107699	2.020721	0.044871	0.392715
	0.200118	2.018413	0.045113	0.393255
SERPINB1;GMDS;SERPINB6;RIPK1	-0.47835	-2.01912	0.045038	0.393147
	0.151535	2.012368	0.045752	0.394675
	0.19034	2.017241	0.045236	0.393434
EGFL7	-0.1876	-2.01891	0.045061	0.393164
ENSG00000231980	0.312363	2.016414	0.045324	0.393687
YKT6	-0.12357	-2.01297	0.045689	0.394606
TINAGL1;MARCKSL1;DCDC2B;MTMR9LP;LCK;FNDC5	-0.35234	-2.02076	0.044867	0.392715
	0.204715	2.018466	0.045107	0.393234
STRADA	0.129335	2.013809	0.045599	0.394312
FYB	-0.25308	-2.02253	0.044682	0.392203
	0.310441	2.018217	0.045133	0.393266
SRGAP3;PRRT3-AS1;SEC13	-0.12743	-2.01222	0.045768	0.394675
SLC44A4	-0.19638	-2.00628	0.046405	0.396289
	-0.18683	-2.02039	0.044906	0.39281
PREX2	0.214238	2.012825	0.045704	0.394651
	0.094849	2.014878	0.045486	0.394046
	-0.14148	-2.0169	0.045272	0.393577
LSG1	-0.40469	-2.01536	0.045435	0.393913
ABAT;USP7	-0.2304	-2.01557	0.045413	0.393852
	0.202694	2.010314	0.045972	0.395239
	0.221636	2.014848	0.045489	0.394051
MEG3	-0.28255	-2.01602	0.045366	0.39378
BCL11A	0.209021	2.016741	0.045289	0.393615
	0.53911	2.022312	0.044704	0.392247
E2F1	0.21694	2.019511	0.044998	0.393114
	0.186879	2.022566	0.044678	0.392196
RFWD3	0.238444	2.01082	0.045917	0.395111
	-0.15184	-2.01408	0.045571	0.394297
	0.126097	2.014672	0.045508	0.394148
DYNC2H1;KIAA1377	-0.28976	-2.00906	0.046106	0.395618
	-0.13846	-2.01682	0.045281	0.393593
	0.162001	2.017383	0.045221	0.393416
	-0.20045	-2.01655	0.045309	0.393651
	-0.19763	-2.01282	0.045704	0.394651
SFXN2	0.191608	2.012605	0.045727	0.394675
	0.166519	2.019257	0.045024	0.393118
	0.217702	2.01552	0.045418	0.393859
	0.213889	2.015128	0.04546	0.393966
	0.110097	2.01933	0.045017	0.393118
	0.274198	2.015489	0.045421	0.393878
	-0.22423	-2.01748	0.045212	0.393393
	0.18591	2.015241	0.045448	0.393931
	0.367744	2.00957	0.046051	0.395544
	-0.13759	-2.01526	0.045446	0.393931

	-0.29701	-2.01765	0.045194	0.393383
	0.181146	2.014011	0.045578	0.394297
ENSG00000237234;LAMA4;ENSG00000226440;ENSG00000270661;ENSG00000271208;SLC16A10	0.261397	2.00792	0.046228	0.395951
C10orf113;CASC10	-0.31862	-2.0198	0.044967	0.393032
ENSG00000262370;ABCA3;IL32;ENSG00000261971	-0.23012	-2.01246	0.045743	0.394675
	0.250918	2.01838	0.045116	0.393261
	0.175142	2.01695	0.045267	0.393555
	0.248657	2.015177	0.045454	0.393934
	0.326964	2.021952	0.044742	0.392303
	-0.22651	-2.02069	0.044874	0.392718
TRMT1L	-0.17243	-2.02045	0.044899	0.39281
RPS24	0.146643	2.013576	0.045624	0.394379
	-0.17665	-2.01946	0.045003	0.393114
JAK3;FCHO1;COLGALT1	-0.18282	-2.01443	0.045533	0.394219
IL32;HN1L;ENSG00000261971;ECI1;ENSG00000262370	-0.17866	-2.01686	0.045276	0.393584
	0.230703	2.0165	0.045314	0.393657
	-0.19171	-2.01645	0.04532	0.393677
	-0.36543	-2.01906	0.045045	0.39315
AP3B1	-0.20199	-2.01165	0.045829	0.394811
	0.190557	2.019011	0.04505	0.393155
	-0.20616	-2.02118	0.044823	0.392611
	0.195471	2.016913	0.045271	0.393574
	0.164378	2.020381	0.044906	0.39281
	0.280196	2.017324	0.045227	0.393416
	-0.21975	-2.0175	0.045209	0.393393
IFT20;MYO18A;NLK;SUPT6H;TIAF1;TRAF4;TLCD1;LYRM9	-0.37208	-2.01448	0.045528	0.394219
LSM2	0.218864	2.018712	0.045081	0.393209
DENND5A;STK33;C11orf16;TUB;SBF2;AKIP1;WEE1;ENSG00000255097;ASCL3	-0.29564	-2.01093	0.045906	0.395071
CLK4	0.217937	2.01905	0.045046	0.39315
	0.256826	1.995066	0.047626	0.399846
RASSF1;PRKAR2A-AS1	-0.15727	-2.01945	0.045004	0.393114
	0.164618	2.019108	0.04504	0.393147
	0.230107	2.018861	0.045066	0.39318
	0.239177	2.018718	0.045081	0.393209
	0.296267	2.020091	0.044937	0.392915
CTHRC1	-0.29628	-2.01373	0.045608	0.39432
	0.218264	2.019747	0.044973	0.393046
C12orf68;FMNL3;ENSG00000258334;KCNH3	-0.18126	-2.01957	0.044991	0.393114
	-0.18478	-2.01666	0.045297	0.393615
RASGRF2	-0.24344	-2.01231	0.045758	0.394675
	0.185219	2.017271	0.045233	0.393434
	0.186326	2.013659	0.045615	0.394355
	0.22296	2.020053	0.044941	0.392918
	-0.12902	-2.0152	0.045452	0.393931
	0.132479	2.018475	0.045106	0.393234

PSMG3;FTSJ2	0.220959	2.017805	0.045177	0.393339
	0.284161	2.020723	0.04487	0.392715
TSPAN8	0.221967	2.013529	0.045629	0.394397
CNNM2;C10orf95;NFKB2;BTRC;DPCD;TRIM8;PCGF6	-0.26126	-2.01785	0.045172	0.393339
RALGPS1;C9orf117;TTC16;DNM1;COQ4;ODF2;CERCAM;ST6GAL NAC6;LRRC8A	-0.17268	-2.01533	0.045438	0.393913
	-0.1804	-2.01622	0.045344	0.393709
SNORD3A;EPN2-AS1;SNORD3D	0.209997	2.014982	0.045475	0.394016
	-0.25454	-2.02239	0.044696	0.39223
	0.158111	2.012971	0.045688	0.394606
	-0.14397	-2.01758	0.045201	0.393383
	0.207942	2.016054	0.045362	0.393761
	-0.11491	-2.0086	0.046155	0.395705
	-0.19181	-2.01092	0.045907	0.395071
	-0.20023	-2.0132	0.045664	0.394499
	-0.12352	-2.01252	0.045736	0.394675
	-0.24422	-2.0158	0.045388	0.393835
	-0.2363	-2.01992	0.044954	0.392994
	0.18993	2.017445	0.045215	0.393398
	0.204288	2.009353	0.046074	0.395598
	-0.29857	-2.01279	0.045708	0.394657
	0.178104	2.018159	0.04514	0.393271
ABLIM2	0.246649	2.019569	0.044991	0.393114
	0.222592	2.01869	0.045084	0.393209
	0.13166	2.016519	0.045312	0.393657
	-0.17746	-2.01338	0.045645	0.394438
	0.129161	2.017317	0.045228	0.393416
	0.300044	2.016081	0.045359	0.39376
	0.119417	2.007496	0.046274	0.396021
	0.291606	2.016303	0.045335	0.393693
	-0.17741	-2.01834	0.04512	0.393264
	-0.17796	-2.0152	0.045452	0.393931
PRR7	0.145201	2.014705	0.045504	0.394126
	0.528102	2.008643	0.04615	0.395705
	-0.25812	-2.01908	0.045043	0.39315
	-0.14991	-2.01298	0.045688	0.394606
	0.300325	2.019109	0.04504	0.393147
	0.250334	2.017186	0.045242	0.393434
	0.158401	2.019222	0.045028	0.393131
	-0.21119	-2.0143	0.045547	0.394219
	0.238124	2.012446	0.045744	0.394675
	0.236838	2.013815	0.045599	0.394312
C1orf56;POGZ ELN ENSG00000222012;ENSG00000233038 C14orf119 ZNF697	-0.15352	-2.01525	0.045447	0.393931
	-0.14492	-2.0144	0.045537	0.394219
	0.293201	2.021297	0.04481	0.392548
	0.206079	2.0115	0.045845	0.394861
	0.142768	2.016458	0.045319	0.393677



	0.176652	2.013399	0.045643	0.394438
	-0.13748	-2.01578	0.045391	0.393835
	0.1462	2.016384	0.045327	0.393687
	-0.15278	-2.01129	0.045868	0.394945
	-0.15542	-2.01801	0.045155	0.393299
	0.236728	2.016839	0.045279	0.393584
	0.187094	2.017465	0.045213	0.393395
MGP;RERG	0.249238	2.018619	0.045091	0.393222
	-0.21789	-2.01797	0.045159	0.393304
	-0.19937	-2.01439	0.045537	0.394219
KIAA0125;AHNAK2	-0.19145	-2.01154	0.04584	0.394853
	-0.14133	-2.0195	0.044998	0.393114
LINC00963;WDR34;PKN3;FBNP1;CRAT;TBC1D13;HMCN2;SPTA N1;DOLK	-0.21839	-2.01187	0.045805	0.39474
	-0.27525	-2.0184	0.045114	0.393255
	0.15035	2.007041	0.046322	0.396108
	-0.30319	-2.01196	0.045796	0.394709
	-0.17633	-2.01192	0.045801	0.394734
PRF1	0.245133	2.018846	0.045067	0.39318
	0.192093	2.02054	0.04489	0.392769
	0.155807	2.01818	0.045137	0.393268
STMN3;SOX18;ZBTB46;ENSG00000267848;RTEL1- TNFRSF6B;RGS19;SLC17A9	-0.19116	-2.01398	0.045581	0.394297
	0.114405	2.016795	0.045283	0.393601
	-0.2178	-2.01714	0.045247	0.393438
WDR59	-0.14382	-2.01781	0.045176	0.393339
DNAJB1	-0.33989	-2.01944	0.045005	0.393114
	0.15258	2.016646	0.045299	0.393615
PSMG3;GNA12;IQCE	0.231496	2.013237	0.04566	0.394499
	0.135485	2.013772	0.045603	0.394312
	0.136899	2.016694	0.045294	0.393615
SKI;MXRA8;SAMD11;SSU72;ANKRD65;RNF223;VWA1;ENSG000 00223764;LINC01128;ENSG00000272106	-0.1638	-2.01414	0.045564	0.394291
	0.205184	2.014328	0.045544	0.394219
	0.157779	2.016132	0.045353	0.393752
	0.227928	2.013301	0.045653	0.39449
ATP8B2;SHE;TDRD10;INTS3;ENSG00000232093;DENND4B CACNA1C-AS4;TSPAN9;CACNA1C TOP1	0.258854	2.010335	0.045969	0.395239
	0.331948	2.016186	0.045348	0.393727
	0.288714	2.015903	0.045378	0.393821
	-0.24691	-2.02029	0.044916	0.392839
	0.231843	2.009108	0.046101	0.395618
	-0.26062	-2.01812	0.045143	0.393275
	0.173804	2.016348	0.04533	0.393693
SYNRG	0.286706	2.017823	0.045175	0.393339
	0.1391	2.012054	0.045786	0.394678

SLAMF1;CD84;USP21;SLAMF6;LY9;FCGR2B;PPOX;CD48;SLAMF7;HSPA7;FCGR2C;TSTD1;PVRL4;PEA15;F11R	0.192528	2.013888	0.045591	0.394312
	0.110943	2.008496	0.046166	0.39577
	0.175404	2.012319	0.045758	0.394675
HCP5;HLA-DMB;HLA-DMA;TAP1;HLA-B;HLA-DOA;HLA-C;HLA-DRA;HLA-DPB1;TAP2;HSPA1B;TAPSAR1;HSPA1A;GPSM3;RPL32P1;PSMB9;LST1	0.263006	2.018288	0.045126	0.393266
ZNF423;NKD1;ENSG00000260029	0.315137	2.019334	0.045016	0.393118
	0.134621	2.014333	0.045544	0.394219
	-0.16059	-2.01445	0.045531	0.394219
	0.104902	2.013794	0.045601	0.394312
	0.204051	2.01871	0.045082	0.393209
ANKRD65;C1orf222	-0.28568	-2.02005	0.044941	0.392918
TMEM59;PODN;YIPF1;SLC1A7;HSPB11;ENSG00000270172	0.222291	2.015197	0.045452	0.393931
	-0.2655	-2.00984	0.046022	0.395444
	-0.28969	-2.01906	0.045045	0.39315
	0.215978	2.018097	0.045146	0.393276
	-0.13619	-2.01357	0.045625	0.394379
	-0.1929	-2.01825	0.04513	0.393266
RNU4ATAC16P	0.213219	2.018582	0.045095	0.393222
	-0.25296	-2.01297	0.045689	0.394606
	0.158702	2.013945	0.045585	0.394297
	0.297731	2.017774	0.04518	0.393352
GLTSCR1L	0.252819	2.012598	0.045728	0.394675
	0.104343	2.017321	0.045228	0.393416
STK4;ADA	-0.2555	-2.01858	0.045096	0.393222
	-0.20698	-2.01568	0.045401	0.393837
ICAM1;KANK2;COL5A3;AP1M2;TMED1;ENSG00000175898;SMARCA4;PIN1	0.201855	2.006412	0.04639	0.396267
ASPA;TRPV3	0.192351	2.012387	0.04575	0.394675
	-0.24172	-2.00864	0.046151	0.395705
	-0.16625	-2.01301	0.045684	0.394606
	0.249869	2.016153	0.045351	0.39375
	0.185046	2.013983	0.045581	0.394297
COL5A3;KANK2;AP1M2;DOCK6;CNN1;CDKN2D;RGL3	0.2817	2.014472	0.045529	0.394219
ACACB;ENSG00000256139;MYO1H	-0.16045	-2.01838	0.045117	0.393261
	-0.21529	-2.02089	0.044853	0.392686
MTO1	0.264865	2.016721	0.045291	0.393615
	0.258123	2.016071	0.04536	0.39376
CCDC88A	-0.26154	-2.01755	0.045204	0.393383
	-0.16807	-2.01188	0.045804	0.39474
	0.213879	2.010724	0.045928	0.395176
	-0.19505	-2.01435	0.045542	0.394219
	-0.25406	-2.01629	0.045336	0.393693
	-0.13067	-2.01053	0.045948	0.395211

	0.142126	2.015611	0.045408	0.393852
	-0.19553	-2.01024	0.04598	0.395281
	-0.12337	-2.01724	0.045237	0.393434
	0.220904	2.014288	0.045549	0.394222
	0.17548	2.012431	0.045746	0.394675
	0.229061	2.008171	0.046201	0.39587
CECR7	-0.25622	-2.01181	0.045812	0.394791
SURF4	-0.14392	-2.01464	0.045511	0.394154
AURKB;CLDN7;MPDU1	0.201426	2.014242	0.045553	0.394249
GIMAP2;GIMAP5;ATG9B	0.224501	2.017129	0.045248	0.393438
	0.259236	2.014133	0.045565	0.394293
	0.206124	2.011059	0.045892	0.395019
MRPL23	0.390154	2.017335	0.045226	0.393416
TMC8;TMC6	-0.3072	-2.0136	0.045622	0.394379
	0.131734	2.012338	0.045756	0.394675
	0.232265	2.020529	0.044891	0.392769
	-0.24078	-2.01667	0.045297	0.393615
ENSG00000257743	-0.26481	-2.01141	0.045855	0.394891
	0.218985	2.013499	0.045632	0.394397
	-0.26884	-2.01577	0.045392	0.393835
	0.284986	2.017169	0.045244	0.393438
	-0.30487	-2.014	0.045579	0.394297
TMEM208	0.132338	2.016378	0.045327	0.393687
	0.245624	2.011757	0.045818	0.394792
	-0.29619	-2.01391	0.045589	0.394312
	0.16129	2.014664	0.045509	0.394148
	0.295423	2.016654	0.045298	0.393615
GTF3C1;KIAA0556	0.215258	2.011177	0.045879	0.394988
GLIS2;CDIP1;SRL;SMIM22;VASN;C16orf71	-0.21155	-2.0124	0.045749	0.394675
	-0.30413	-2.01325	0.045658	0.394499
	0.259019	2.014322	0.045545	0.394219
FABP3	0.249312	2.011718	0.045822	0.394792
	-0.14862	-2.01253	0.045735	0.394675
	-0.25227	-2.0106	0.045941	0.395193
STXBP4	0.264473	2.012316	0.045758	0.394675
	0.212396	2.013375	0.045645	0.394438
KIF26A;INF2;EXOC3L4;C14orf2;ENSG00000260285;EIF5;TDRD9	-0.353	-2.01391	0.045589	0.394312
LRRC25	-0.25222	-2.00656	0.046374	0.396243
HCP5;GPSM3;HSPA1A;DDR1;LTB	-0.26367	-2.01423	0.045555	0.394254
	0.175601	2.014837	0.04549	0.394054
	-0.17889	-2.01589	0.045379	0.393821
	-0.14897	-2.01227	0.045763	0.394675
	-0.19919	-2.01809	0.045147	0.393276
	0.206855	2.015694	0.0454	0.393835
	0.17398	2.021335	0.044806	0.392548
	0.162464	2.009896	0.046016	0.395436

PIK3C2B;LAX1	0.212253	2.017339	0.045226	0.393416
	-0.2671	-2.01326	0.045658	0.394499
	0.209258	2.010584	0.045943	0.395193
FBXO44;FBXO6;CLCN6;AGTRAP	-0.15564	-2.01231	0.045759	0.394675
	0.477807	2.012605	0.045727	0.394675
	0.236047	2.014767	0.045498	0.394094
	0.178966	2.018213	0.045134	0.393266
	-0.15011	-2.01581	0.045387	0.393835
CALM1;GPR68 TAP1;HLA-DMA;TAP2;RING1;HLA-DOA;HLA- DMB;TAPSAR1;PSMB9;TAPBP;HLA-DPB1;HSD17B8	0.198676	2.01213	0.045778	0.394675
	-0.27634	-2.01684	0.045278	0.393584
	-0.21786	-2.01874	0.045078	0.393209
	0.104334	2.00804	0.046215	0.395924
	0.127224	2.012207	0.04577	0.394675
STRA13 NLRC5	0.205394	2.011777	0.045815	0.394792
	-0.14836	-2.01201	0.04579	0.394696
	0.174957	2.008725	0.046142	0.395705
	0.20676	2.017148	0.045246	0.393438
	0.195332	2.006973	0.04633	0.396108
PDLIM4;SOWAHA;SLC22A5;C5orf56;CCNI2;GDF9;ACSL6 GALNT16;KIAA0247;ENSG00000242941	0.156207	2.012258	0.045764	0.394675
	0.200228	2.014413	0.045535	0.394219
	0.186953	2.014871	0.045487	0.394046
	-0.16288	-2.00498	0.046544	0.396664
	-0.29127	-2.01831	0.045124	0.393266
	-0.17988	-2.00919	0.046092	0.395618
	-0.47871	-1.98107	0.049188	0.403912
	-0.1511	-2.01684	0.045278	0.393584
	-0.14754	-2.014	0.045579	0.394297
	0.260527	2.017199	0.045241	0.393434
TMEM255B;GAS6	-0.25939	-2.01787	0.04517	0.393339
	0.220797	2.016063	0.045361	0.39376
	0.188329	2.01722	0.045239	0.393434
	-0.22629	-2.01632	0.045333	0.393693
	0.390602	2.013247	0.045659	0.394499
ZNF57;S1PR4;MATK;TJP3	-0.14007	-2.0152	0.045452	0.393931
	-0.11877	-2.01198	0.045794	0.394706
	0.274689	2.017525	0.045206	0.393383
RANBP10	0.222555	2.015902	0.045378	0.393821
	0.157083	2.010601	0.045941	0.395193
	-0.13196	-2.01756	0.045202	0.393383
CSMD1;ENSG00000253853;ARHGEF10;CLN8	0.213539	2.016398	0.045325	0.393687
	0.293564	2.010317	0.045971	0.395239
	0.204148	2.013164	0.045668	0.394511
	-0.33078	-2.00617	0.046416	0.3963
RARRES3;INTS5;TRMT112;POLR2G;FLRT1 HNRNPH1 STK10	-0.3315	-2.01052	0.045949	0.395211
	0.237508	2.018436	0.04511	0.393249
	0.143015	2.014851	0.045489	0.394051

COX16	0.22701	2.015313	0.04544	0.393921
	0.28575	2.015822	0.045386	0.393835
CEP85L;BRD7P3;ENSG00000216809	-0.2421	-2.00908	0.046104	0.395618
	-0.27837	-2.00746	0.046277	0.396021
	0.15588	2.004299	0.046618	0.396892
	-0.2635	-2.01433	0.045544	0.394219
	-0.30988	-2.01433	0.045544	0.394219
	-0.22178	-2.01434	0.045543	0.394219
CCDC125;MARVELD2;CDK7;OCLN	-0.30377	-2.01111	0.045886	0.395005
	0.210554	2.016744	0.045289	0.393615
	0.276296	2.018697	0.045083	0.393209
	-0.24283	-2.01555	0.045415	0.393852
	0.189015	2.014652	0.04551	0.394152
	-0.1618	-2.01754	0.045205	0.393383
	-0.19873	-2.01559	0.045411	0.393852
ENSG00000259087	0.305243	2.010891	0.04591	0.395071
	0.123868	2.009818	0.046025	0.395452
ID3	0.114042	2.005386	0.046501	0.396507
	-0.17104	-2.01524	0.045447	0.393931
	0.22485	2.015022	0.045471	0.393998
	0.153184	2.012974	0.045688	0.394606
	0.197341	2.014516	0.045524	0.394219
	0.166163	2.015424	0.045428	0.393887
OMA1	0.184324	2.008751	0.046139	0.395697
PPP1R18;TNXB;C4A;NOTCH4;GPSM3	-0.15648	-2.00698	0.046329	0.396108
NT5C3B	-0.28636	-2.01458	0.045517	0.394176
HES2;CAMTA1;CHD5	-0.26773	-2.00541	0.046498	0.396507
ITPKB;C1orf95;SRP9;H3F3A;PYCR2;ENSG00000234478	-0.35314	-2.0089	0.046123	0.395659
	-0.22567	-2.01625	0.045341	0.393702
MX1;TFF3;MX2	-0.27979	-2.01494	0.04548	0.394037
	-0.11481	-2.01245	0.045744	0.394675
NBEAL1	0.162662	2.012842	0.045702	0.394651
SP140;SP100	0.250992	2.017444	0.045215	0.393398
	-0.20409	-2.01471	0.045503	0.394126
	0.278128	2.013301	0.045653	0.39449
	-0.22197	-2.0166	0.045303	0.393632
	0.190688	2.013808	0.045599	0.394312
	0.127441	2.014891	0.045485	0.394046
	0.1572	2.003756	0.046677	0.397122
FAM83H-AS1;BAI1;RHPN1-AS1;FAM83H;MAPK15;LY6D;EXOSC4	-0.20775	-2.01054	0.045947	0.395211
	0.200764	2.017186	0.045242	0.393434
	-0.17936	-2.0182	0.045135	0.393266
	-0.25268	-2.01642	0.045323	0.393687
	0.218027	2.00819	0.046199	0.39587
	0.176527	2.013802	0.0456	0.394312
DAPK2	-0.24064	-2.01724	0.045236	0.393434

TDRP	0.100606	2.014116	0.045567	0.394297
	-0.12924	-2.01526	0.045446	0.393931
	0.227764	2.012569	0.045731	0.394675
	-0.17798	-2.00895	0.046117	0.395644
SH3BP2	0.258014	2.013506	0.045631	0.394397
	0.199691	2.012742	0.045713	0.394675
	-0.33317	-2.00957	0.046052	0.395544
	-0.12043	-2.01299	0.045686	0.394606
TJP3	-0.25602	-2.01256	0.045732	0.394675
	0.181227	2.012516	0.045737	0.394675
	0.261415	2.015761	0.045392	0.393835
	-0.25609	-2.01043	0.045959	0.395219
CACNA1A	0.14564	2.015021	0.045471	0.393998
	0.123047	2.013895	0.04559	0.394312
	0.098993	2.013736	0.045607	0.39432
	-0.1607	-2.00213	0.046853	0.397725
SNORD3B-2;SNORD3B-1;SNORD3A	0.240422	2.014889	0.045485	0.394046
	-0.18465	-2.01574	0.045395	0.393835
	-0.29119	-2.01582	0.045386	0.393835
	-0.18908	-2.01554	0.045415	0.393852
ENSG00000227403	-0.17135	-2.01607	0.04536	0.39376
	-0.21358	-2.01215	0.045776	0.394675
	-0.1334	-2.01327	0.045657	0.394499
	-0.23865	-2.0176	0.045199	0.393383
FCRL3;PEAR1	0.125544	2.011586	0.045836	0.394845
	0.362686	2.013745	0.045606	0.39432
	0.145821	2.012109	0.04578	0.394675
	0.259419	2.011022	0.045896	0.395021
TRANK1;ACVR2B	-0.21855	-2.01837	0.045117	0.393261
	-0.28575	-2.01448	0.045528	0.394219
	0.307853	2.013084	0.045676	0.394561
	0.312442	2.011154	0.045882	0.394996
ZNF837;ENSG00000268912	-0.19714	-2.01209	0.045782	0.394675
	0.23323	2.014305	0.045547	0.394219
	0.256424	2.013781	0.045602	0.394312
	0.270692	2.017523	0.045207	0.393383
AFTPH;CEP68;SPRED2	0.175342	2.014878	0.045486	0.394046
	0.259575	2.015333	0.045438	0.393913
	0.262785	2.015592	0.04541	0.393852
	-0.15988	-2.00902	0.04611	0.395618
FOXL1;ENSG00000261175	0.160704	2.014185	0.045559	0.394277
	-0.28647	-2.007	0.046327	0.396108
	0.254281	2.005502	0.046488	0.396474
	-0.33084	-2.00793	0.046227	0.395951
PRKG1;ENSG00000226200	0.218754	2.008228	0.046195	0.395866
	-0.28311	-2.01399	0.04558	0.394297
	0.23686	2.013215	0.045662	0.394499
ARHGAP44				

COPB2	0.281032	2.011328	0.045863	0.394916
KRT6A;KRT80;KRT4;ACVRL1;TENC1;GRASP;ESPL1;KRT8;KRT18;KRT6B	-0.39829	-2.01254	0.045734	0.394675
PAPOLA	-0.1591	-2.01032	0.045971	0.395239
	0.303288	2.016514	0.045313	0.393657
CHD7	-0.21378	-2.00409	0.04664	0.397002
	0.196715	2.001494	0.046922	0.397869
	-0.13716	-2.01059	0.045942	0.395193
	0.185944	2.010662	0.045934	0.395191
DLL4;RHOV;SPINT1;ENSG00000261183;C15orf52	-0.25517	-2.00875	0.046139	0.395697
	-0.16915	-2.01146	0.04585	0.394874
	-0.17385	-2.0061	0.046423	0.396328
	0.230021	2.014372	0.04554	0.394219
	-0.23516	-2.01501	0.045472	0.393998
	0.21341	2.010982	0.0459	0.395042
IGSF9B	0.213082	2.009695	0.046038	0.395506
	0.103085	2.013656	0.045616	0.394355
TPK1;FAM115C;ARHGEF35	-0.26311	-2.01387	0.045592	0.394312
CBR1;RUNX1	-0.30462	-2.0135	0.045632	0.394397
ELOVL5	0.246759	2.006215	0.046411	0.396298
	-0.26981	-2.01007	0.045998	0.395336
	0.255947	2.008768	0.046137	0.395697
	0.186541	2.010144	0.04599	0.39532
	0.20805	2.010527	0.045949	0.395211
	-0.16829	-2.01436	0.045541	0.394219
	-0.16022	-2.00755	0.046268	0.396011
	-0.16306	-2.01204	0.045787	0.394684
CDH23;PPA1;SGPL1;TSPAN15	-0.27424	-2.01349	0.045633	0.394397
ENSG00000255735	0.154925	2.012253	0.045765	0.394675
HCP5;PPP1R18;HLA-E;HSPA1A;HSPA1B;HLA-B;LTB	-0.21805	-2.01599	0.045368	0.393785
	0.159432	2.014453	0.045531	0.394219
	-0.21803	-2.00714	0.046311	0.396108
	-0.24415	-2.0122	0.04577	0.394675
TWIST2	0.21617	2.016639	0.0453	0.393615
	-0.30527	-2.01481	0.045493	0.394068
	-0.13324	-2.01355	0.045627	0.394391
	0.2725	2.013103	0.045674	0.394552
	0.162892	2.011434	0.045852	0.394882
MB21D2	0.193495	2.015573	0.045412	0.393852
SYS1;EPPIN;WFDC6;ZNF335;TOMM34;SLC35C2;SDC4;PKIG;PIGT	0.251259	2.012315	0.045758	0.394675
ENSG00000244300;GATA2	-0.23412	-2.00735	0.04629	0.396027
	-0.21566	-2.01145	0.04585	0.394874
	0.220635	2.006377	0.046394	0.396268
	-0.16903	-2.01137	0.045859	0.394913
TRIM7;SCGB3A1;FLT4	0.222969	2.015748	0.045394	0.393835
	-0.20587	-2.01395	0.045585	0.394297

IQCA1	-0.17799	-2.01111	0.045887	0.395005
	0.228888	2.006454	0.046386	0.396261
	0.208428	2.009579	0.04605	0.395544
SLC37A1;PDE9A;UBASH3A;ENSG00000225431;CBS;RSPH1;C21 orf128;TMPRSS3	-0.19137	-2.00972	0.046035	0.395494
CD7;DCXR;C17orf62	-0.26353	-2.0111	0.045888	0.395005
	-0.23103	-2.01518	0.045454	0.393934
	0.223043	2.011767	0.045816	0.394792
CREB3L2	0.320464	2.012792	0.045707	0.394657
	0.142899	2.016891	0.045273	0.393577
	-0.26324	-2.00764	0.046258	0.396
STEAP3;TMEM37;DBI	0.257529	2.00864	0.046151	0.395705
	-0.175	-2.01255	0.045734	0.394675
	-0.18966	-2.00776	0.046245	0.395952
SCEL	0.28635	2.015301	0.045441	0.393923
	0.253478	2.0046	0.046586	0.396794
	0.26728	2.012792	0.045707	0.394657
DIAPH1	0.201768	2.012104	0.045781	0.394675
	-0.22535	-2.01582	0.045386	0.393835
	-0.18418	-2.01289	0.045697	0.394651
CTTN	0.132094	2.01403	0.045576	0.394297
	-0.2011	-2.00964	0.046044	0.395521
	0.233737	2.008634	0.046151	0.395705
CD248	0.226657	2.015427	0.045428	0.393887
	-0.14048	-2.01117	0.04588	0.394988
	-0.22776	-2.0065	0.046381	0.396244
WDR3;ATP1A1;SPAG17	0.188805	2.013578	0.045624	0.394379
	-0.24982	-2.00954	0.046055	0.395544
	-0.26311	-2.00884	0.04613	0.395672
ALDH1A3	0.231194	2.010152	0.045989	0.39532
	0.190638	2.016108	0.045356	0.39376
	-0.25916	-2.00662	0.046368	0.396211
C6orf132;ENSG00000261068	-0.23945	-2.01652	0.045313	0.393657
	-0.21815	-2.01816	0.045139	0.393271
	0.36031	2.014452	0.045531	0.394219
RNF166	-0.32389	-2.01397	0.045582	0.394297
FAM115C	0.310717	2.013871	0.045593	0.394312
	0.166743	2.009405	0.046069	0.395561
	0.244247	2.013208	0.045663	0.394499
FAM227A	0.150775	2.011278	0.045869	0.394946
	0.127945	2.013583	0.045623	0.394379
	0.196042	2.016648	0.045299	0.393615
	-0.23421	-2.00221	0.046844	0.397682
	-0.1855	-2.01046	0.045956	0.395219
	0.160728	2.014146	0.045564	0.394291
	0.172317	2.015124	0.04546	0.393966
	-0.32163	-2.00535	0.046504	0.396508



	0.195504	2.011557	0.045839	0.394851
	-0.22218	-2.01569	0.0454	0.393835
TSTD1;UFC1;MPZ;F11R;C1orf192;SDHC;PPOX;KLHDC9;PVRL4;U SP21;ENSG00000213080;ATP1A2;OLFML2B;ADAMTS4;PEA15;P EX19;NCSTN	-0.27861	-2.00735	0.04629	0.396027
TMC8;TMC6	0.295895	2.013417	0.045641	0.394438
	0.175843	2.011656	0.045828	0.394811
ROR1;ENSG00000226891;ENSG00000224570;LEPR;ENSG0000 0223949;PDE4B;AK4	-0.31496	-2.00839	0.046178	0.395818
TAL1;TSPAN1	-0.31763	-2.01219	0.045772	0.394675
	0.156096	2.01507	0.045466	0.393993
	0.210036	2.01533	0.045438	0.393913
	-0.26001	-2.01507	0.045466	0.393993
	0.183185	2.011331	0.045863	0.394916
STARD5	0.290657	2.014051	0.045574	0.394297
	-0.2493	-2.0158	0.045388	0.393835
	0.121255	2.008876	0.046125	0.395666
	-0.33654	-2.01264	0.045723	0.394675
ELN;WBSCR22;ABHD11;NCF1;TBL2	-0.29851	-2.01289	0.045697	0.394651
CD14	0.150901	2.004848	0.046559	0.39671
	-0.27717	-2.01175	0.045818	0.394792
	0.272279	2.012571	0.045731	0.394675
	0.183233	2.014199	0.045558	0.394272
RPS17L	-0.24996	-2.0171	0.045251	0.39345
ATP6V0A1	-0.25159	-2.00677	0.046351	0.396162
	0.214325	2.008479	0.046168	0.395771
	0.21941	2.007453	0.046278	0.396021
	0.190234	2.005741	0.046463	0.396432
NBEA;MAB21L1	0.301083	2.00605	0.046429	0.396331
	-0.23411	-2.00912	0.046099	0.395618
	0.349141	2.014101	0.045568	0.394297
ZHX3	0.184983	2.011348	0.045861	0.394913
RASGRP1	0.33128	2.016568	0.045307	0.393651
	0.243541	2.013803	0.0456	0.394312
HIC2;RANBP1;ZDHHC8	0.1958	2.014032	0.045576	0.394297
	0.10967	2.006383	0.046393	0.396268
	0.222203	2.010196	0.045984	0.395303
	0.227464	2.015719	0.045397	0.393835
	-0.16182	-2.01036	0.045966	0.395239
	0.125083	2.014909	0.045483	0.394046
	0.156294	2.013152	0.045669	0.394514
SOX8;ENSG00000260807;NME4;RGS11;ENSG00000261659;MS LN	-0.2205	-2.01006	0.045999	0.395336
	-0.17863	-2.00756	0.046267	0.396011
	-0.24891	-2.01417	0.045561	0.394283
CKMT2	0.196616	2.013628	0.045619	0.394373
ACTG2;RAB11FIP5;DQX1;BOLA3;DGUOK;EXOC6B	-0.12959	-2.0101	0.045995	0.395331

FMO4	-0.14988	-2.00334	0.046722	0.397307
	0.200117	2.012216	0.045769	0.394675
PCA3	-0.17599	-2.00744	0.046279	0.396021
	0.109459	2.013255	0.045658	0.394499
	0.168244	2.012185	0.045772	0.394675
	-0.24422	-2.01176	0.045817	0.394792
	-0.34661	-2.01434	0.045543	0.394219
	0.152886	2.008968	0.046116	0.395644
	-0.23331	-2.00599	0.046436	0.396345
	-0.16293	-2.00674	0.046355	0.396173
	0.155423	2.010324	0.04597	0.395239
	-0.16495	-2.00877	0.046137	0.395697
	0.197636	2.011736	0.04582	0.394792
SAMD5	-0.27739	-2.0117	0.045824	0.394792
	0.122357	2.012264	0.045764	0.394675
BUD31;BAIAP2L1;RPS3AP26;ZKSCAN1;ZNF3	-0.24857	-2.00794	0.046226	0.395951
	-0.17384	-2.01224	0.045766	0.394675
AHNAK2;IGHA1;KIAA0125;IGHA2;IGHM;IGHG2;IGHJ3P;IGHG1	-0.22046	-2.00359	0.046695	0.397176
	0.203608	2.014613	0.045514	0.394163
C22orf34;MAPK12;SHANK3;ENSG00000235111;MAPK11;ENSG00000213279	-0.26266	-2.01027	0.045977	0.395263
SLC2A10;TP53RK;DNMTIP1;WFDC3;SLC13A3;ZMYND8	-0.31336	-2.01007	0.045998	0.395336
	0.204324	2.009044	0.046107	0.395618
	0.176697	2.00391	0.04666	0.397067
	0.145963	2.014325	0.045545	0.394219
	-0.19231	-2.00663	0.046366	0.396211
	-0.17027	-2.00442	0.046605	0.396828
RPL21P75	0.29196	2.01034	0.045969	0.395239
	0.262665	2.011078	0.04589	0.395015
	0.207516	2.01207	0.045784	0.394677
	0.192861	2.015872	0.045381	0.393831
	0.130626	2.004058	0.046644	0.397002
C11orf30	-0.14966	-2.00836	0.046181	0.395818
	0.104049	2.013402	0.045643	0.394438
	0.144555	2.011964	0.045795	0.394709
	1.210604	2.011981	0.045794	0.394706
	0.243833	2.007694	0.046252	0.395968
FSCN1	0.208736	2.00968	0.046039	0.395506
	0.267949	2.01216	0.045775	0.394675
	0.174988	2.006888	0.046339	0.396138
	-0.20977	-2.01501	0.045472	0.393998
CSGALNACT1	0.274509	2.011236	0.045873	0.394968
	0.172563	2.011051	0.045893	0.395019
	0.106876	2.008617	0.046153	0.395705

C16orf93;CDIPT;SETD1A;MVP;ENSG00000261690;GDPD3;PHK G2;TMEM219;SEZ6L2;PRSS53;HSD3B7;ZNF688;PRR14;DOC2A	-0.20838	-2.01266	0.045721	0.394675
	0.118412	2.009835	0.046023	0.395444
CRNDE;IRX5;IRX3;RPGRI1L	0.197116	2.006919	0.046336	0.396133
	-0.21085	-2.00907	0.046104	0.395618
	-0.21621	-2.01213	0.045778	0.394675
	0.222636	2.011037	0.045894	0.395021
	-0.3164	-2.01113	0.045884	0.395
	-0.16377	-2.0132	0.045664	0.394499
	0.132062	2.009339	0.046076	0.395599
	0.309709	2.012264	0.045764	0.394675
	0.145098	2.01292	0.045694	0.394641
	0.166263	2.013857	0.045594	0.394312
	0.186324	2.011491	0.045846	0.394862
	0.16619	2.010952	0.045903	0.395062
S100P	0.248125	2.010057	0.045999	0.395336
	0.102876	2.008349	0.046182	0.395818
LCP1;KIAA0226L	-0.29539	-2.00948	0.04606	0.395561
	0.513684	2.012996	0.045686	0.394606
GIMAP5;YBX1P4;GIMAP1	-0.14031	-2.01089	0.04591	0.395071
	-0.21695	-2.01163	0.045831	0.394821
CARD8	0.171765	2.014946	0.045479	0.394037
	0.193941	2.012491	0.045739	0.394675
	0.194341	2.013738	0.045607	0.39432
	-0.34961	-2.00819	0.046199	0.39587
	0.226829	2.002282	0.046837	0.397661
	-0.16747	-2.01223	0.045767	0.394675
	-0.11528	-2.01063	0.045937	0.395191
	0.168367	2.007745	0.046247	0.395952
	-0.20645	-2.01043	0.045959	0.395219
	0.274794	2.001651	0.046905	0.397808
	-0.15298	-2.00867	0.046147	0.395705
	-0.3067	-2.01043	0.04596	0.395219
	-0.24844	-2.00528	0.046512	0.396519
	1.097525	2.016912	0.045271	0.393574
	0.231665	2.009301	0.04608	0.395608
PTPN7;LAX1	0.286711	2.01459	0.045516	0.394176
	-0.22073	-2.00702	0.046325	0.396108
	0.237227	2.009411	0.046068	0.395561
	0.191799	2.008235	0.046194	0.395866
	-0.22844	-2.00956	0.046052	0.395544
SLC17A9	-0.13784	-2.01285	0.045701	0.394651
	0.167168	2.008007	0.046219	0.395933
	-0.13463	-2.0076	0.046262	0.396007
	0.236792	2.006507	0.04638	0.396244
PFKFB2;C1orf116	-0.27875	-2.01284	0.045703	0.394651

	-0.24598	-2.01212	0.045778	0.394675
SHANK2	-0.45787	-2.00957	0.046052	0.395544
CBL	0.22748	2.009465	0.046062	0.395561
MRPL27;LRRC59	-0.22551	-2.01265	0.045722	0.394675
	0.134456	2.004821	0.046562	0.39671
	0.19128	2.006022	0.046432	0.396341
	-0.11518	-2.00922	0.046089	0.395618
	0.195577	2.011192	0.045878	0.394988
	-0.13182	-2.01264	0.045724	0.394675
	-0.14119	-2.01047	0.045955	0.395219
ENSG00000249035;SPARC;SLC36A1;MYOZ3	0.186972	2.012682	0.045719	0.394675
	0.144785	2.012113	0.04578	0.394675
GRASP;TENC1;ACVRL1;KRT18;SMAGP;KRT8;KRT7;ENSG00000257337;CSAD	-0.24744	-2.0108	0.04592	0.395122
	-0.207	-2.0102	0.045984	0.395303
	0.153015	2.008901	0.046123	0.395659
	-0.17895	-2.01405	0.045574	0.394297
ENSG00000230922	-0.2055	-2.00949	0.04606	0.395561
ENSG00000214546	0.207073	2.003311	0.046725	0.39732
OSBPL2	0.19858	2.011133	0.045884	0.395
	0.179806	2.008838	0.04613	0.395672
	0.231496	2.008857	0.046127	0.395668
	0.178619	2.013222	0.045662	0.394499
IFT88;LATS2;MPHOSPH8	0.25551	2.012139	0.045777	0.394675
	-0.23101	-2.01136	0.04586	0.394913
	0.300516	2.012875	0.045699	0.394651
	-0.51883	-2.00951	0.046058	0.395555
	-0.18742	-2.00844	0.046172	0.395783
ZNF532;NARS;ATP8B1;MALT1;NEDD4L	-0.30857	-2.00979	0.046027	0.395467
LY75	-0.31236	-2.00637	0.046395	0.396268
AKIP1;C11orf16;STK33;TUB	0.17709	2.011574	0.045837	0.394848
	-0.19505	-2.0121	0.045781	0.394675
	0.135529	2.004957	0.046547	0.396672
	-0.15884	-2.00672	0.046357	0.396173
ENSG00000240859;PRKAR1B;SUN1;GPR146;ENSG00000242474;FAM20C	-0.16491	-2.00497	0.046546	0.396668
	0.189294	2.006505	0.04638	0.396244
PHLPP1;BCL2;SERPINB11	-0.36846	-2.00795	0.046224	0.395951
	0.102674	2.011515	0.045843	0.394855
CD40	-0.11167	-2.00145	0.046927	0.397869
	0.201099	2.011783	0.045815	0.394792
	0.246108	2.005616	0.046476	0.396474
	-0.17761	-2.00828	0.046189	0.395848
	0.224435	2.015586	0.045411	0.393852
SVIL;PTCHD3P1;KIAA1462	-0.2477	-2.0069	0.046338	0.396137
	-0.18207	-2.007	0.046327	0.396108
NME4;RAB11FIP3;TMEM204;CACNA1H;ABCA3;HN1L	-0.34305	-2.01065	0.045935	0.395191

	-0.25879	-2.01017	0.045987	0.39532
	-0.12448	-2.00581	0.046455	0.396406
DACT1	-0.27992	-2.01042	0.04596	0.395219
MRGPRF;UNC93B1;TBC1D10C;ALDH3B1;PITPNM1;GSTP1;ALDH3B2;FAM86C2P;ENSG00000255306	-0.21604	-2.00857	0.046159	0.39572
	-0.20577	-2.00972	0.046035	0.395494
	0.350199	1.999065	0.047187	0.398668
	-0.20943	-2.00487	0.046557	0.396706
	0.264737	2.012511	0.045737	0.394675
TIMP4	0.189307	2.008924	0.04612	0.395654
CERCAM;LRRC8A;TBC1D13;USP20;DNM1;ENSG00000227218	-0.20234	-2.01259	0.045729	0.394675
NBEA	0.197195	2.002455	0.046818	0.39761
	0.228394	2.00996	0.046009	0.395409
	-0.15183	-2.00234	0.046831	0.397645
	-0.18666	-2.00886	0.046127	0.395668
TAL1	-0.19741	-2.01071	0.045929	0.395183
	-0.26277	-2.01222	0.045768	0.394675
	0.15372	2.007907	0.046229	0.395951
	0.21018	2.011533	0.045841	0.394854
LST1;HLA-DMB;TAP1	0.123148	2.009772	0.04603	0.395479
	0.259453	2.008382	0.046178	0.395818
	-0.16116	-2.01231	0.045759	0.394675
	-0.11678	-2.00991	0.046014	0.395428
	-0.20836	-2.01377	0.045603	0.394312
	0.227172	2.009837	0.046023	0.395444
SGOL2;FZD7;AOX1;CASP8;NDUFB3;SPATS2L;TRAK2;NIF3L1;BZW1	-0.29805	-2.01171	0.045823	0.394792
	-0.16004	-2.00338	0.046717	0.397291
	0.172375	2.012567	0.045731	0.394675
	0.211202	2.009411	0.046068	0.395561
CRTC1;MAU2	-0.2224	-2.00677	0.046352	0.396162
CD163L1	-0.27569	-2.00893	0.04612	0.395654
	0.114555	2.011688	0.045825	0.394792
	-0.25954	-2.01122	0.045875	0.394978
	0.191931	2.010115	0.045993	0.39533
NEK5	0.231079	2.012598	0.045728	0.394675
IRF8	0.217296	2.002697	0.046792	0.397471
	-0.15087	-2.00781	0.04624	0.395951
	0.26	2.006867	0.046341	0.396142
	0.160936	2.010871	0.045912	0.39508
C6orf10;UQCC2	-0.25214	-2.01031	0.045972	0.395239
	-0.34658	-2.01396	0.045583	0.394297
WBSCR17	-0.28704	-2.00468	0.046577	0.396763
	-0.14094	-2.00941	0.046069	0.395561
	-0.2453	-2.00916	0.046095	0.395618
	-0.2317	-2.01141	0.045855	0.394891

KANK1;DMRT3;DOCK8	0.324331	2.005734	0.046463	0.396432
	0.650854	2.009672	0.04604	0.395506
RASA2	-0.28261	-2.0119	0.045802	0.394738
	0.256342	2.012064	0.045785	0.394677
DHRS9;NOSTRIN;ABCB11;CERS6	-0.33134	-2.00783	0.046237	0.395951
ZNF165;ZSCAN12P1;HCG14;PGBD1	-0.22067	-2.00655	0.046375	0.396243
	0.233408	2.009294	0.046081	0.395608
	0.186071	2.00579	0.046457	0.396412
	-0.33736	-2.00847	0.046169	0.395771
IL34;MARVELD3;PHLPP2;CHST4;ENSG00000260156;AP1G1;ENSG00000261008;ZNF19;TAT;ENSG00000262890	-0.31192	-2.00636	0.046396	0.396268
	0.248451	2.012122	0.045779	0.394675
	0.150827	2.004465	0.0466	0.396825
ZAP70;ACTR1B;VWA3B;MGAT4A	0.14922	2.010428	0.045959	0.395219
	0.21026	2.006528	0.046378	0.396244
ARHGAP10;EDNRA	-0.32487	-2.00862	0.046153	0.395705
	-0.30568	-2.00529	0.046511	0.396517
	0.172789	2.007918	0.046228	0.395951
	0.309995	2.007148	0.046311	0.396108
	0.20272	2.004428	0.046604	0.396828
	0.240237	2.007043	0.046322	0.396108
	0.235716	2.008892	0.046124	0.395659
	-0.11672	-2.00975	0.046032	0.395486
	-0.16306	-2.00746	0.046278	0.396021
	-0.22088	-2.00548	0.046491	0.396474
	0.172202	2.010158	0.045988	0.39532
	-0.26914	-2.00831	0.046186	0.395829
	-0.26471	-2.01268	0.045719	0.394675
	-0.13784	-2.00748	0.046275	0.396021
	0.139265	2.002075	0.046859	0.397745
TM4SF1	0.222319	2.008062	0.046213	0.395923
	0.210572	2.007884	0.046232	0.395951
	-0.19809	-2.01126	0.045871	0.394955
	0.215084	2.010281	0.045975	0.395257
	-0.20643	-2.00552	0.046486	0.396474
	0.240607	2.010116	0.045993	0.39533
	0.246913	2.013778	0.045603	0.394312
	-0.17211	-2.00701	0.046325	0.396108
	0.205335	2.009034	0.046109	0.395618
	0.318617	2.013181	0.045666	0.394504
AKR1A1;PRDX1	0.283565	2.007383	0.046286	0.396027
	0.203236	2.009528	0.046056	0.395544
	-0.24617	-2.00557	0.046481	0.396474
	-0.23847	-2.00954	0.046055	0.395544
	-0.242	-2.00707	0.046319	0.396108
PDZRN3;SHQ1	0.212796	2.005326	0.046507	0.396508
	-0.40575	-2.01188	0.045804	0.39474

	0.160836	2.001668	0.046904	0.397808
	0.137229	2.004419	0.046605	0.396828
ULK1	0.182178	2.001899	0.046878	0.397808
	0.173654	2.008988	0.046113	0.395635
SP140;SP100;SP110;SP140L;GPR55	0.216911	2.011522	0.045843	0.394855
	0.208376	2.01035	0.045968	0.395239
C22orf34;ENSG00000235111	-0.19281	-2.01242	0.045747	0.394675
	0.201206	2.003885	0.046663	0.397081
SLC2A1- AS1;TIE1;SLC2A1;ELOVL1;TMEM125;EBNA1BP2;CDC20;C1orf21 0;PPCS	-0.31082	-2.0109	0.045909	0.395071
MXRA8;SAMD11;VWA1;ANKRD65;RNF223;ENSG00000223764; ENSG00000272106;PRKCZ;TTLL10;LINC01128;C1orf222;SSU72; TTLL10-AS1	-0.38197	-2.00323	0.046734	0.397356
	-0.19347	-2.00967	0.04604	0.395506
	-0.25806	-2.01102	0.045896	0.395021
LPIN1	-0.31588	-2.00135	0.046938	0.397897
	-0.35916	-2.01201	0.045791	0.394696
	0.424166	2.009227	0.046088	0.395618
NFX1;APTX;CHMP5;BAG1;DNAJA1;ACO1;ANKRD18B	-0.30389	-2.00749	0.046274	0.396021
	0.246592	2.009474	0.046061	0.395561
	0.166411	2.012765	0.04571	0.394671
	0.240523	2.002154	0.046851	0.397713
CCDC24;ST3GAL3;IPP;TCTEX1D4;CCDC17;RNU5F- 1;SLC6A9;ERI3;GPBP1L1;PRDX1;TMEM53;C1orf228	-0.20874	-2.01107	0.045891	0.395015
	-0.21399	-2.00669	0.04636	0.396179
	0.208431	2.008518	0.046164	0.395757
MILR1;LIMD2;TEX2	0.196661	2.009836	0.046023	0.395444
	0.175321	2.00742	0.046282	0.396021
	-0.19717	-2.00834	0.046183	0.395818
PLEKHJ1	0.16294	2.004506	0.046596	0.396811
	0.143586	2.005942	0.046441	0.396359
	0.197798	2.002955	0.046764	0.39743
	0.236057	2.010991	0.045899	0.395042
	0.111163	2.006451	0.046386	0.396261
NCR3LG1;NUCB2;PLEKHA7	-0.3204	-2.00643	0.046389	0.396261
	0.177961	2.00623	0.04641	0.396298
RUNX1;RPS5P2	0.19553	2.00312	0.046746	0.397391
RNF223	0.202397	2.008954	0.046117	0.395644
	-0.23837	-2.01155	0.045839	0.394851
	0.172634	1.994166	0.047725	0.400164
	-0.19087	-2.00754	0.046269	0.396011
PKMYT1;C16orf71;CLDN9;CLUAP1;ENSG00000272079	-0.24859	-2.00995	0.04601	0.39541
ANXA2	-0.36633	-2.00283	0.046777	0.39743
	-0.11825	-1.9931	0.047843	0.400393
	-0.15231	-2.01082	0.045917	0.395111
	0.252867	2.007115	0.046315	0.396108

	-0.28462	-2.00376	0.046676	0.397122
	0.221056	2.010751	0.045925	0.395159
ENSG00000231980;ENSG00000222012	0.274907	2.012065	0.045785	0.394677
	0.2232	2.004498	0.046597	0.396811
KIF21B;RNPEP;PTPN7;ELF3;ENSG00000249007;UBE2T	-0.26795	-2.00735	0.046289	0.396027
	-0.19305	-2.00439	0.046609	0.396847
	-0.34834	-2.00241	0.046823	0.397633
	0.227191	2.012852	0.045701	0.394651
	0.199406	2.003666	0.046687	0.39715
	0.277435	2.009268	0.046083	0.395618
	0.216376	1.998572	0.047241	0.398781
	0.235908	2.00932	0.046078	0.3956
RABL2B;DENND6B;ODF3B;PANX2	-0.16403	-2.00222	0.046844	0.397682
IL12RB1;JAK3;FCHO1;NWD1;SLC27A1;BST2	-0.42613	-2.01247	0.045742	0.394675
	0.169252	2.010105	0.045994	0.395331
	0.277585	2.008988	0.046113	0.395635
	0.131159	2.006841	0.046344	0.396142
FOXF2;IRF4;ENSG00000218027;GMDS	0.20234	2.005296	0.04651	0.396517
	-0.19401	-2.00607	0.046427	0.396331
	-0.18844	-2.00821	0.046197	0.39587
	0.213251	2.003514	0.046703	0.397211
SNRPD2	-0.17455	-2.00175	0.046894	0.397808
	0.166794	2.009178	0.046093	0.395618
	0.216549	2.007119	0.046314	0.396108
	0.259179	2.005922	0.046443	0.396361
SPSB1;CAMTA1;SLC45A1;PER3	-0.26719	-2.00985	0.046021	0.395444
	-0.18615	-2.00955	0.046054	0.395544
	-0.30181	-2.00784	0.046236	0.395951
	-0.22483	-2.00576	0.046461	0.396425
	0.163208	2.009163	0.046095	0.395618
SH2D3C;PIP5KL1	-0.31835	-2.00698	0.046329	0.396108
	-0.20104	-2.00912	0.0461	0.395618
ENSG00000235772;SLC37A1;RSPH1;TMPRSS3;ZNF295- AS1;C21orf128;ABCG1;ENSG00000225431;UMODL1;LINC0011 1;LINC00479	-0.20105	-2.0009	0.046987	0.398077
ST14;ARHGAP32;TMEM45B	-0.20494	-2.008	0.04622	0.395934
	0.204607	1.990949	0.048081	0.400981
	0.091926	2.005479	0.046491	0.396474
	0.22507	2.007021	0.046325	0.396108
ZNF517	-0.16957	-2.00679	0.04635	0.396162
	0.168981	2.00836	0.046181	0.395818
	-0.24885	-2.01091	0.045908	0.395071
	0.186347	1.997612	0.047346	0.39905
	-0.21123	-2.00761	0.046261	0.396007
SEC14L1;C1QTNF1;TIMP2	-0.24195	-2.01193	0.045799	0.394728
STK24	0.229378	2.006222	0.046411	0.396298
	-0.16967	-2.00669	0.04636	0.396179



ENSG00000272072 ENSG00000178404;CBX2;TMC8	0.232134	2.009243	0.046086	0.395618
	0.218977	2.007885	0.046232	0.395951
	0.300512	2.000882	0.046989	0.398077
	-0.1919	-2.00385	0.046666	0.397081
	-0.11712	-2.00903	0.046109	0.395618
	-0.19983	-2.00726	0.046299	0.396062
	0.227019	2.010633	0.045938	0.395191
	0.334749	2.00966	0.046042	0.39551
	0.098133	1.99923	0.047169	0.398655
	0.236083	2.007231	0.046302	0.396079
ADCY7 PSMG3;GNA12	-0.20032	-1.99766	0.047341	0.39905
	0.1526	2.008331	0.046184	0.395818
	0.162527	2.007831	0.046238	0.395951
GRASP;ACVRL1;TENC1;KRT80;ACVR1B;KRT18;KRT7;KRT8;OR7E 47P;GALNT6;DAZAP2;SLC4A8	-0.27977	-2.00073	0.047006	0.398107
	-0.11734	-2.00622	0.046411	0.396298
	-0.09442	-2.00555	0.046484	0.396474
	0.156732	2.000452	0.047036	0.398211
	-0.22964	-2.00727	0.046297	0.396062
	0.214872	2.0077	0.046252	0.395968
	0.179598	2.001766	0.046893	0.397808
	-0.13606	-2.00317	0.04674	0.397381
	-0.19591	-2.00847	0.046169	0.395771
	0.282589	1.999254	0.047167	0.398655
ASIC1 MGMT	-0.14576	-2.00935	0.046075	0.395598
	0.189027	2.010614	0.04594	0.395193
	-0.1768	-2.00868	0.046146	0.395705
	0.16328	1.998146	0.047288	0.398874
	0.252551	2.008634	0.046151	0.395705
	-0.26394	-2.00803	0.046216	0.395924
	0.188058	2.010508	0.045951	0.395215
	0.179071	2.011696	0.045824	0.394792
	-0.2963	-2.00517	0.046524	0.396577
	-0.24214	-2.0063	0.046402	0.396284
SPSB1;PARK7 TPPP;TRIP13;NKD2	-0.1533	-2.00176	0.046893	0.397808
	-0.13945	-2.00707	0.046319	0.396108
	-0.18887	-2.00771	0.04625	0.395968
	-0.12785	-2.00714	0.046312	0.396108
	0.209404	2.00941	0.046068	0.395561
	-0.20388	-2.00876	0.046138	0.395697
	-0.18061	-2.00632	0.0464	0.396284
	0.202139	1.997556	0.047352	0.39905
	0.151385	2.005836	0.046452	0.396406
	0.198114	2.003016	0.046757	0.397395
SMG5	0.133786	2.001371	0.046936	0.397897
	-0.38402	-2.00914	0.046097	0.395618
	-0.26973	-2.00109	0.046966	0.398019
TBC1D27				

	0.131419	2.009128	0.046098	0.395618
	-0.1984	-2.00513	0.046529	0.396582
	0.222714	2.007764	0.046245	0.395952
	-0.15044	-2.00619	0.046414	0.396298
	0.184001	2.001477	0.046924	0.397869
	-0.23944	-2.00959	0.046049	0.395544
	0.2222	2.008116	0.046207	0.395897
ARHGEF10	0.161771	2.002325	0.046832	0.397645
	0.288194	2.008074	0.046211	0.395919
	0.327348	2.01049	0.045953	0.395219
	0.197073	2.009052	0.046107	0.395618
	-0.21167	-2.00984	0.046022	0.395444
	0.238353	2.005687	0.046468	0.39646
IQCA1	-0.22227	-1.99992	0.047094	0.398424
	0.13849	2.007434	0.04628	0.396021
	-0.21241	-2.01043	0.045959	0.395219
	-0.33656	-2.0092	0.046091	0.395618
GABBR1;DDR1;MDC1;TRIM39;PPP1R18;PPP1R11;NRM;HLA-F-AS1	-0.28348	-2.00798	0.046222	0.395936
RIPK4;MX1;TMPRSS2;FAM3B	-0.19843	-1.99924	0.047168	0.398655
	0.162174	2.007456	0.046278	0.396021
	0.101075	2.007158	0.04631	0.396108
	0.169806	2.001725	0.046897	0.397808
	-0.16533	-2.00784	0.046237	0.395951
	0.310847	2.004429	0.046604	0.396828
	0.192908	2.00992	0.046014	0.395428
BNIP1;STK10	0.265141	2.009973	0.046008	0.395405
	0.256928	2.002844	0.046776	0.39743
	0.262132	2.005611	0.046476	0.396474
	0.297186	2.00871	0.046143	0.395705
	0.287773	2.001086	0.046967	0.398019
	-0.22033	-2.00555	0.046483	0.396474
	0.271584	2.007144	0.046311	0.396108
	0.202516	2.003856	0.046666	0.397081
	-0.12611	-2.00074	0.047005	0.398107
	0.141315	2.001662	0.046904	0.397808
HRNR;SELENBP1;CGN;S100A11;BNIPL;THEM4	-0.20731	-2.00266	0.046796	0.39749
	-0.18121	-2.0064	0.046391	0.396268
	-0.23486	-2.00754	0.046268	0.396011
FMN1	0.306562	2.009048	0.046107	0.395618
	0.166775	2.00758	0.046265	0.396011
	0.165831	2.006534	0.046377	0.396244
	0.224906	2.007265	0.046298	0.396062
ABCA3;PRSS22;ZG16B;IL32	-0.20852	-2.00166	0.046904	0.397808
	-0.24467	-2.00128	0.046945	0.397901
	0.16055	2.007084	0.046318	0.396108
KCNK6;ZNF571-AS1;ZNF781	-0.18919	-2.00404	0.046646	0.397007

	0.183425	2.006601	0.04637	0.396213
	0.287839	2.005331	0.046507	0.396508
	0.233933	1.99887	0.047209	0.398723
	0.196094	2.001313	0.046942	0.397897
KRT6A;BIN2;KRT18	-0.1955	-2.00545	0.046494	0.396487
	-0.27277	-2.00775	0.046246	0.395952
PITPNM2	-0.26932	-2.00804	0.046215	0.395924
	-0.22357	-1.99407	0.047736	0.400194
	0.126088	2.004319	0.046616	0.396888
SLC2A10	-0.20336	-1.99666	0.047451	0.399317
	0.223886	2.003818	0.04667	0.397099
	0.164131	2.00922	0.046089	0.395618
	0.161894	2.004732	0.046571	0.396737
	-0.18882	-2.00588	0.046447	0.39639
	-0.19105	-2.00299	0.04676	0.397413
	-0.21823	-2.0021	0.046856	0.397743
TSPAN3;RCN2	-0.21447	-2.00515	0.046526	0.396581
KIAA0556;GTF3C1	0.239732	2.004898	0.046554	0.396695
	0.192656	2.00673	0.046356	0.396173
	0.181746	2.001456	0.046927	0.397869
INF2;C14orf79	-0.1859	-2.00142	0.04693	0.397874
	-0.17976	-2.0091	0.046101	0.395618
	-0.11373	-2.00598	0.046436	0.396345
IARS;SPTLC1	0.158334	2.007039	0.046323	0.396108
	0.161901	2.006747	0.046354	0.396173
C10orf128	0.17903	2.005011	0.046541	0.396654
	0.233639	2.006785	0.04635	0.396162
ERC2;ENSG00000113811;CACNA2D3	0.233362	2.0013	0.046944	0.397897
	0.131028	2.003862	0.046666	0.397081
	-0.19045	-2.0018	0.046889	0.397808
	0.251558	2.005217	0.046519	0.396552
	-0.14236	-2.00786	0.046235	0.395951
	0.201447	1.999797	0.047107	0.398425
SLC7A5	-0.172	-2.01065	0.045935	0.395191
	-0.18083	-2.00526	0.046514	0.396526
ACPL2;ENSG00000272565	-0.18018	-2.00205	0.046862	0.397746
CRNDE	-0.22309	-1.99891	0.047204	0.398695
RNA5SP202	-0.27748	-2.00775	0.046246	0.395952
RSPRY1	-0.32223	-2.00782	0.046239	0.395951
	-0.28518	-2.01034	0.045969	0.395239
	-0.11626	-2.00799	0.046221	0.395934
P2RY6;ARHGEF17;COA4	0.191649	2.008018	0.046218	0.395932
	0.16402	2.005155	0.046526	0.396581
	0.169813	2.004324	0.046615	0.396888
	0.135092	2.006487	0.046382	0.396246
	-0.20155	-2.00903	0.046109	0.395618
	0.244091	2.005844	0.046451	0.396406

	-0.20856	-1.99293	0.047862	0.400415
	0.220396	2.007633	0.046259	0.396
	-0.44374	-1.99871	0.047226	0.398772
	0.216559	2.006268	0.046406	0.396289
CD163L1	0.163345	2.004661	0.046579	0.396771
	0.469581	2.008238	0.046194	0.395866
	0.167482	2.008574	0.046158	0.39572
	-0.35843	-2.00365	0.046688	0.397152
	0.24428	2.009762	0.046031	0.395479
	-0.19302	-2.00552	0.046487	0.396474
	0.196714	2.010637	0.045937	0.395191
KIF6	0.181428	2.010417	0.04596	0.395219
PDLIM7;ARL10;ZNF346-IT1;COL23A1;SIMC1	-0.2935	-2.00176	0.046893	0.397808
ZNF366	-0.25895	-2.00698	0.046329	0.396108
PIGV;PDIK1L;HMG2;FAM110D	-0.32824	-2.00043	0.047038	0.398211
	0.18586	2.002248	0.04684	0.397676
	0.286035	2.005723	0.046464	0.396434
MRPL45P2	0.15642	2.00619	0.046414	0.396298
	-0.20992	-2.0087	0.046145	0.395705
	0.275936	1.999857	0.047101	0.398425
	0.142939	2.00922	0.046089	0.395618
	0.227094	2.000556	0.047025	0.398169
ACOX2;FAM107A;PXX	-0.43033	-2.00814	0.046204	0.395891
AHNAK2;IGHG2;GPR132;IGHG4;IGHA2;IGHGP;C14orf79	-0.2307	-2.00864	0.046151	0.395705
	-0.24705	-1.99976	0.047111	0.398425
	0.207302	2.007565	0.046266	0.396011
	0.082798	1.99311	0.047842	0.400393
	-0.19622	-2.00087	0.04699	0.398077
	0.132947	2.005083	0.046534	0.396612
CD59;EHF;APIP;CAT	0.230361	2.000992	0.046977	0.398074
SNORA74A	0.156426	2.006609	0.046369	0.396213
	0.182736	2.007669	0.046255	0.395983
	0.234777	2.008099	0.046209	0.395904
LMCD1;GRM7	0.292668	1.997688	0.047338	0.39905
	-0.21049	-2.00337	0.046719	0.397293
	0.247961	2.006239	0.046409	0.396298
	-0.19568	-2.00477	0.046567	0.396725
FNBP1	0.207533	2.005179	0.046523	0.396577
	-0.1606	-2.00534	0.046505	0.396508
	0.233955	2.008202	0.046198	0.39587
	-0.26376	-2.0045	0.046596	0.396811
	0.225774	2.007823	0.046238	0.395951
	0.158267	2.007842	0.046236	0.395951
MIR143HG;ENSG00000253864;MIR145	-0.22167	-2.00548	0.04649	0.396474
PEAR1;LAMTOR2	-0.19767	-2.00846	0.04617	0.395771
FAM149B1	-0.19527	-1.99867	0.047231	0.398772
TMEM45B;TP53AIP1;ARHGAP32;FLI1	-0.19572	-2.00643	0.046388	0.396261

PPDPF	-0.23675	-2.00728	0.046297	0.396062
PPME1;POLD3	-0.29198	-2.00607	0.046427	0.396331
RAB11FIP4;COPRS;MYO1D	0.24193	1.99656	0.047462	0.399317
KIAA1755;DLGAP4;SOGA1;RPRD1B;RALGAPB;VSTM2L	-0.26492	-2.00292	0.046768	0.39743
SLC45A1;CAMTA1;PER3	0.221227	2.003048	0.046754	0.397395
	0.212786	2.009027	0.046109	0.395618
ZNRD1	0.212292	2.006147	0.046419	0.396313
	-0.17447	-2.00176	0.046894	0.397808
	0.213816	2.007412	0.046283	0.396021
	0.241854	2.006622	0.046368	0.396211
PPP1R18;DDR1	-0.20169	-2.00308	0.046751	0.397395
	0.364613	2.004006	0.04665	0.397011
MZB1	-0.23102	-2.00833	0.046184	0.395818
	0.293764	2.007427	0.046281	0.396021
	0.260225	2.006181	0.046415	0.396298
	0.153034	2.007359	0.046288	0.396027
	-0.18829	-2.00737	0.046287	0.396027
	-0.14591	-2.0086	0.046155	0.395705
	0.196938	1.999435	0.047147	0.398557
	0.168487	2.001057	0.04697	0.398038
FAM179A;C2orf71;ENSG00000229951	0.241421	2.000876	0.04699	0.398077
ENTPD4	0.13207	1.999589	0.04713	0.39847
TNXB;LY6G5C;VWA7;SLC44A4;C6orf10;BAG6;NELFE	0.216647	2.003054	0.046753	0.397395
	0.244806	2.005537	0.046485	0.396474
	-0.18488	-2.00562	0.046476	0.396474
PLEKHA7	0.215087	2.008783	0.046135	0.395697
TET1;TSPAN15;STOX1;SRGN	-0.23391	-2.0063	0.046402	0.396284
RABL2B	0.212053	1.997132	0.047399	0.39921
	0.174434	1.997311	0.047379	0.399167
FMNL3;ENSG00000258334;WNT10B;PRPH;KCNH3;SPATS2;LMB				
R1L;CACNB3;CCDC65;ENSG00000257954;ZNF641;BCDIN3D;C1				
2orf68;TMBIM6	-0.20539	-2.00629	0.046403	0.396285
	0.128634	2.003629	0.046691	0.397155
	-0.26111	-2.00866	0.046149	0.395705
CDHR3;EFCAB10;KMT2E;RINT1;PIK3CG	-0.30992	-2.00173	0.046897	0.397808
	-0.26391	-2.00932	0.046077	0.3956
	-0.14996	-2.00369	0.046684	0.397147
	-0.21643	-1.99482	0.047652	0.399962
ARHGEF15;CTC1;NLGN2;TNFSF12;MPDU1;VAMP2;ATP1B2;MY				
H10;CYB5D1;WRAP53	-0.23088	-2.00685	0.046343	0.396142
FGF14-AS1;FGF14;FGF14-IT1	-0.30561	-2.00562	0.046476	0.396474
	0.222746	2.007535	0.046269	0.396011
	-0.26866	-2.0017	0.046901	0.397808
	-0.12924	-2.0071	0.046316	0.396108
UHRF1BP1	0.160035	1.999676	0.047121	0.398445
	0.262617	2.004584	0.046587	0.396794
	-0.12726	-2.00537	0.046503	0.396507

KRR1P1	-0.17438	-2.00723	0.046302	0.396079
	-0.23822	-2.00411	0.046639	0.397002
PPP1R18;DHX16;PPP1R10;DDR1;VAR52;PPP1R11	0.322565	2.00695	0.046332	0.396121
	-0.23868	-2.00619	0.046414	0.396298
	-0.16749	-2.00166	0.046904	0.397808
	-0.14493	-2.00581	0.046455	0.396406
	0.109166	2.005566	0.046481	0.396474
SNORD3B-1;SNORD3A	-0.17841	-2.00013	0.047071	0.398324
JMJD8	-0.30867	-2.00684	0.046344	0.396142
	-0.25561	-2.00269	0.046792	0.397471
ENSG00000272686	-0.273	-2.0076	0.046262	0.396007
	-0.18693	-2.00335	0.046721	0.397307
	0.277693	2.006073	0.046427	0.396331
	-0.13647	-2.00559	0.046479	0.396474
	0.255996	2.008125	0.046206	0.395896
	0.270348	2.006315	0.046401	0.396284
	0.196176	2.006313	0.046401	0.396284
PLEK;ANXA4;ARHGAP25	0.225861	2.004649	0.04658	0.396774
	-0.22276	-2.00577	0.04646	0.396424
PTGDS;ENSG00000264527;LCNL1	0.149404	2.00354	0.0467	0.397208
ENSG00000259326	-0.22121	-2.00474	0.04657	0.396736
	0.201451	2.003735	0.046679	0.397126
	-0.17747	-2.00562	0.046475	0.396474
	0.16042	2.003961	0.046655	0.397044
	0.264485	2.003403	0.046715	0.397289
CAPN2;CAPN8	-0.20029	-2.00369	0.046685	0.397147
	-0.1471	-2.00613	0.046421	0.396323
EBF2;DPYSL2	-0.23609	-2.0011	0.046965	0.398019
	-0.23515	-2.00482	0.046562	0.39671
DYNLL1-AS1;DYNLL1	0.292653	2.007696	0.046252	0.395968
TMC8;TMC6;ENSG00000178404;TNRC6C;TNRC6C-AS1	-0.22667	-2.00454	0.046592	0.396811
AGO3;COL8A2;MRPS15;GRIK3;PSMB2	-0.28312	-2.00602	0.046432	0.396341
	0.117427	2.005517	0.046487	0.396474
FAM83H;LY6D;FAM83H-AS1;TSTA3;MROH6;GPIHBP1	-0.23343	-2.0073	0.046295	0.39606
	0.23414	2.002386	0.046826	0.397645
HMHA1	-0.26194	-2.00817	0.046201	0.39587
INPP5D;SNORA75	-0.22977	-2.0058	0.046456	0.396406
	0.214045	2.003072	0.046751	0.397395
	0.193119	2.002624	0.0468	0.397501
	-0.14572	-2.00739	0.046285	0.396027
	-0.18173	-1.99496	0.047638	0.399931
	-0.21583	-2.00825	0.046192	0.395866
	0.20252	2.00782	0.046239	0.395951
	0.249408	2.003236	0.046733	0.397356
	-0.27057	-2.00557	0.046481	0.396474
	0.212415	2.001498	0.046922	0.397869
INPP5A	-0.35081	-2.00502	0.04654	0.396654

	-0.18258	-1.99874	0.047223	0.398772
ACTA2-				
AS1;PANK1;ACTA2;LINC00865;STAMBPL1;ENSG00000213613	-0.25482	-1.99743	0.047366	0.399098
	-0.21511	-2.00494	0.046549	0.396679
NOVA2;EXOC3L2;HIF3A;EML2;SNRPD2;ENSG00000267348;ERC				
C1	-0.30726	-2.00292	0.046768	0.39743
	0.1963	2.002864	0.046774	0.39743
	-0.18132	-2.00479	0.046565	0.396718
	0.181655	2.006976	0.046329	0.396108
	0.231941	2.00363	0.046691	0.397155
	-0.13154	-2.00599	0.046435	0.396345
	0.234979	1.999089	0.047185	0.398668
	0.179085	2.003144	0.046743	0.397389
	-0.17722	-2.00291	0.046769	0.39743
	0.238796	2.00125	0.046949	0.397923
	-0.28916	-2.0002	0.047064	0.398312
	0.252271	2.003227	0.046734	0.397356
WSCD1;NUP88;GGT6;ZMYND15	0.174653	2.003132	0.046745	0.397389
	-0.2015	-1.9997	0.047117	0.398442
	0.193998	2.006054	0.046429	0.396331
ENSG00000260285	-0.20959	-2.00078	0.047	0.398107
R3HDM4;HMHA1;ENSG00000267317	-0.27373	-2.00058	0.047022	0.398169
	0.242866	2.006108	0.046423	0.396328
	0.158602	1.996503	0.047468	0.399328
	-0.13312	-2.00352	0.046702	0.397208
	0.694659	2.004023	0.046648	0.397009
GMDS;FOXC1	-0.33461	-1.99856	0.047242	0.398781
FUOM	-0.36325	-2.00462	0.046584	0.396794
	0.223584	2.007773	0.046244	0.395952
	0.220511	2.002753	0.046786	0.397448
	-0.22989	-2.00301	0.046757	0.397395
	0.200183	1.997666	0.04734	0.39905
	0.205578	2.00408	0.046642	0.397002
	-0.25485	-2.00283	0.046777	0.39743
	0.245677	2.004531	0.046593	0.396811
	0.183736	2.003023	0.046756	0.397395
	0.221564	2.001892	0.046879	0.397808
	0.167729	2.004716	0.046573	0.396744
ALOX15;GGT6	0.291153	2.003484	0.046706	0.39723
	0.1712	2.002751	0.046786	0.397448
	0.11938	2.000461	0.047035	0.398211
	-0.17668	-2.00596	0.046439	0.396359
SPRY4	-0.23983	-2.00263	0.046799	0.397501
	-0.21991	-2.00492	0.046551	0.396682
	-0.2495	-2.0055	0.046489	0.396474
	0.231462	2.001906	0.046878	0.397808

TMC8;ENSG00000178404;SYNGR2	-0.23194	-2.00469	0.046576	0.396761
	0.190567	2.000786	0.046999	0.398107
	0.2668	2.006005	0.046434	0.396345
	0.226801	2.002081	0.046859	0.397745
KLF11;CYS1;CPSF3	-0.278	-1.99937	0.047154	0.398587
	0.284525	2.003296	0.046727	0.39732
	0.182015	2.006691	0.04636	0.396179
	0.224602	2.003922	0.046659	0.397064
PARP11	0.278653	2.008764	0.046137	0.395697
SYT11	0.152738	2.003292	0.046727	0.39732
	-0.37593	-2.00922	0.046088	0.395618
	-0.21665	-2.00286	0.046774	0.39743
RASSF1;P4HTM;DALRD3;TUSC2;HYAL2;LAMB2;DOCK3;NDUFAF3;SEMA3B;ZMYND10;TCTA;CDHR4;BSN	-0.23877	-2.00367	0.046686	0.39715
	0.169803	2.002792	0.046781	0.397441
	-0.12824	-2.00092	0.046985	0.398077
	0.254119	2.001003	0.046976	0.398072
	-0.24147	-1.99996	0.047089	0.398401
	0.171751	2.00286	0.046774	0.39743
F10	-0.31268	-1.99215	0.047948	0.400578
SMTN;SLC5A4;ENSG00000198832;CPSF1P1;SLC5A1	-0.23613	-1.99216	0.047947	0.400575
	0.18417	1.996134	0.047508	0.399506
GALNT10	0.178301	1.992278	0.047934	0.400554
BTN3A1;BTN3A3;BTN2A2;BTN3A2	0.257613	2.006805	0.046348	0.396162
	-0.21184	-2.00302	0.046757	0.397395
	0.170894	2.004535	0.046593	0.396811
	-0.23719	-2.00593	0.046442	0.396359
	0.099367	1.999832	0.047103	0.398425
	-0.16283	-1.99663	0.047454	0.399317
	-0.24207	-2.00194	0.046874	0.397808
	0.266182	2.00707	0.046319	0.396108
	0.110073	2.002245	0.046841	0.397676
	-0.12415	-1.99946	0.047144	0.398546
	0.179782	1.997805	0.047325	0.399013
	0.20994	2.001889	0.04688	0.397808
FLI1;ARHGAP32;TMEM45B;ETS1;SENCR	0.374778	2.003947	0.046656	0.397049
	-0.13685	-2.00237	0.046827	0.397645
	0.258215	2.002332	0.046831	0.397645
	0.17212	2.002412	0.046823	0.397633
TNFRSF1B	-0.1567	-1.997	0.047414	0.399225
FAM222A	-0.17063	-2.00164	0.046907	0.397808
	0.279798	2.004599	0.046586	0.396794
MGEA5;RNU2-59P	-0.17139	-2.00561	0.046477	0.396474
	0.102546	1.991808	0.047986	0.400735
	0.139786	2.001769	0.046893	0.397808
TMEM255B;GAS6;F10;ADPRHL1	-0.25169	-2.00643	0.046388	0.396261
GPR133	-0.26836	-2.0048	0.046564	0.39671



RNF8	-0.21533	-2.00146	0.046926	0.397869
	0.248556	2.005123	0.046529	0.396582
	-0.25296	-2.00666	0.046364	0.396201
EFCAB11;TDP1;TTC8;CALM1	0.186865	2.003298	0.046727	0.39732
	-0.36146	-2.00132	0.046941	0.397897
	0.22556	2.006799	0.046348	0.396162
HLA-DMA;HLA-DMB;HLA-DPB1;HLA-DOA;HLA-DPA1;UQCC2;HSD17B8;TAPBP	0.277788	2.002813	0.046779	0.39743
	0.147987	2.006988	0.046328	0.396108
	0.2762	2.004289	0.046619	0.396892
ISM1	-0.28284	-2.00075	0.047003	0.398107
	-0.24271	-2.00302	0.046756	0.397395
	0.1824	2.002708	0.046791	0.397471
CLNK PLAC8	-0.26603	-2.00502	0.046541	0.396654
	-0.28958	-2.00452	0.046595	0.396811
	0.231926	2.002912	0.046768	0.39743
RAD51	-0.18351	-2.00363	0.046691	0.397155
	-0.15587	-2.00539	0.0465	0.396507
	0.09534	2.000559	0.047024	0.398169
ZNF429;ENSG00000268119;ENSG00000268081;ZNF493;ENSG0000268416 PCNX;ENSG00000259146	-0.22068	-1.99968	0.04712	0.398445
	0.230111	2.003746	0.046678	0.397123
	-0.37706	-2.00587	0.046448	0.396392
ADAMTS12;ENSG00000272323	0.35107	2.007488	0.046274	0.396021
	-0.25894	-2.0069	0.046338	0.396137
	-0.19743	-1.99483	0.047652	0.399962
ENSG00000225670;AIM2;ENSG00000213080;DARC;F11R PPIB	0.223975	1.996553	0.047462	0.399317
	0.22075	1.994943	0.047639	0.399932
	-0.17878	-1.99982	0.047104	0.398425
IGFBP2	-0.31252	-2.00543	0.046496	0.3965
	-0.13264	-1.99575	0.04755	0.399661
	0.148623	1.992242	0.047938	0.400554
C1orf56	0.167222	1.998204	0.047281	0.398874
	-0.17806	-1.99716	0.047396	0.39921
	0.234838	2.004482	0.046598	0.396817
ENSG00000222489 C4orf19	0.247251	1.996523	0.047466	0.399317
	-0.14374	-1.99867	0.047231	0.398772
	0.191725	1.9982	0.047282	0.398874
	-0.11898	-1.9996	0.047128	0.39847
	-0.4197	-2.00096	0.04698	0.398077
	0.134651	1.993822	0.047763	0.400285
	0.413852	2.004762	0.046568	0.396725
	0.196853	2.001832	0.046886	0.397808
	0.174191	2.003179	0.046739	0.397381
	-0.17644	-2.00321	0.046736	0.39736
	-0.21158	-2.00547	0.046491	0.396474
	-0.24969	-1.99765	0.047342	0.39905

	-0.16289	-2.00285	0.046775	0.39743
	0.215897	2.004809	0.046563	0.39671
	-0.27903	-1.99799	0.047304	0.398927
ENSG00000267868	-0.24502	-2.00353	0.046702	0.397208
RASGRP1;SRP14-AS1	0.30858	2.005376	0.046502	0.396507
	-0.1483	-2.00581	0.046455	0.396406
ZC3H12D	-0.26018	-2.00101	0.046975	0.398071
	0.222955	1.999374	0.047153	0.398587
HSPG2;CDC42;LDLRAD2;HP1BP3;ENSG00000232037	0.238037	2.003773	0.046675	0.397122
	-0.23245	-1.99751	0.047357	0.39905
FAM83H-AS1;FAM83H;ZNF34;EEF1D;EXOSC4	-0.18507	-1.99971	0.047117	0.398442
GDE1;CCP110;GPRC5B;TMC5;ENSG00000260681;ENSG00000259925;COQ7;IQCK;SYT17	-0.29007	-2.00207	0.04686	0.397745
	-0.1401	-1.99974	0.047113	0.398425
	0.12827	1.992467	0.047913	0.400516
	-0.21683	-2.0055	0.046488	0.396474
	-0.20585	-2.00188	0.04688	0.397808
	0.182758	2.002194	0.046846	0.397692
	0.250299	2.000444	0.047037	0.398211
	-0.20791	-2.00486	0.046558	0.396706
	0.202076	2.001923	0.046876	0.397808
ENSG00000260807;HS3ST6	-0.27482	-1.9981	0.047293	0.39889
	0.142592	1.998582	0.04724	0.398781
MPHOSPH9	0.164779	2.004059	0.046644	0.397002
DAZAP2;METTL7A;GRASP;SLC11A2;ENSG00000257246	0.17042	2.001295	0.046944	0.397897
ENSG00000253837;CCAR2;TNFRSF10B	-0.27516	-2.00636	0.046396	0.396268
	-0.14246	-2.00459	0.046587	0.396794
	0.221657	2.004073	0.046643	0.397002
	-0.12748	-2.00135	0.046938	0.397897
	0.121197	1.998819	0.047214	0.398747
	0.172106	1.99577	0.047548	0.399661
	0.174128	2.000923	0.046985	0.398077
	-0.14391	-2.0065	0.046381	0.396244
MIR145;MIR143HG;MIR143	0.150107	2.000735	0.047005	0.398107
IFT81	-0.20267	-2.00185	0.046883	0.397808
RNF216;FSCN1;RADIL;TNRC18	-0.25768	-1.98443	0.048809	0.402927
	0.247841	2.000214	0.047062	0.398311
	0.188505	1.995982	0.047525	0.399552
	-0.11958	-2.00275	0.046786	0.397448
	0.184317	2.001423	0.04693	0.397874
	0.24802	2.006938	0.046334	0.396124
	0.164639	1.989728	0.048217	0.401324
	-0.20004	-2.0043	0.046619	0.396892
	0.131748	2.004016	0.046649	0.397009
	-0.33759	-2.00412	0.046638	0.397001
	-0.23949	-2.00029	0.047054	0.398291
	-0.1309	-1.9992	0.047172	0.398655

	-0.24185	-2.00252	0.046811	0.397572
	0.178528	2.001406	0.046932	0.39788
	0.14724	2.00132	0.046941	0.397897
	0.135501	2.004237	0.046625	0.396924
	0.181301	1.999067	0.047187	0.398668
	-0.2647	-2.00071	0.047008	0.398116
	0.189951	2.002817	0.046779	0.39743
	-0.27921	-2.0053	0.04651	0.396517
	-0.23283	-1.99861	0.047237	0.398772
	0.25442	2.006073	0.046427	0.396331
	-0.41987	-1.99436	0.047704	0.400104
	0.176467	2.00097	0.046979	0.398077
RNA5SP268	-0.19435	-2.00422	0.046626	0.396928
	0.20993	2.002532	0.04681	0.39757
	0.254301	1.998183	0.047284	0.398874
	0.196831	2.002377	0.046827	0.397645
	0.286478	2.004541	0.046592	0.396811
	0.200903	2.00443	0.046604	0.396828
	-0.13307	-2.00154	0.046918	0.397869
FMNL3;TMBIM6;CCDC65;DNAJC22;CERS5;DDX23;COX14;TUBA1A;BCDIN3D;LMBR1L;KMT2D	-0.3156	-1.99251	0.047908	0.400505
	-0.13406	-1.99895	0.0472	0.398695
	0.216794	1.998673	0.04723	0.398772
DKK1	-0.1691	-2.00284	0.046776	0.39743
	-0.21404	-1.99974	0.047114	0.398425
	-0.22106	-2.00233	0.046832	0.397645
	0.202262	2.000875	0.04699	0.398077
	0.217203	1.991799	0.047987	0.400736
COL23A1;ADAMTS2;PDLIM7;DBN1;ZNF354C;RGS14	0.293295	2.000271	0.047056	0.398297
	0.301567	2.001781	0.046891	0.397808
TUB;STK33;C11orf16;AKIP1;PPFIBP2;ENSG00000248332;DENND5A;ENSG00000252778;WEE1;SNORA23	-0.2826	-2.00011	0.047073	0.398337
UBE2V1	-0.19544	-1.99832	0.047269	0.398868
	0.136201	1.996875	0.047427	0.399235
	-0.25968	-2.00385	0.046667	0.397081
	-0.17735	-2.00209	0.046858	0.397745
	0.151802	1.99925	0.047167	0.398655
C17orf58;KPNA2;PITPNC1	-0.34859	-2.00316	0.046742	0.397389
EBF3	-0.24583	-1.99817	0.047285	0.398874
	0.186072	2.005937	0.046441	0.396359
MYD88;ENSG00000235257;ITGA9	0.183154	1.994395	0.0477	0.400075
	0.255757	2.005139	0.046528	0.396582
	0.169706	1.997627	0.047345	0.39905
OSTC	0.164564	1.998652	0.047232	0.398772
	0.283592	2.001551	0.046916	0.397869
	-0.12646	-1.99991	0.047095	0.398424
	0.149604	1.99838	0.047262	0.398859

MYO1G;CCM2	0.255449	1.989577	0.048234	0.401373
	-0.27401	-2.0027	0.046792	0.397471
	-0.19987	-1.99403	0.047741	0.400205
ITPKB;ENSG00000234478;PYCR2;C1orf95	-0.22677	-2.00164	0.046907	0.397808
RDH10;LY96;ENSG00000253636;STAU2-AS1;SBSPON	0.290396	1.996165	0.047505	0.399506
	-0.17863	-2.00419	0.04663	0.396951
	0.22486	2.003046	0.046754	0.397395
ENSG00000235033	-0.20421	-2.00172	0.046898	0.397808
	0.182329	1.997551	0.047353	0.39905
	-0.3411	-1.99784	0.047321	0.399002
RUNX1T1;TMEM67	0.206775	2.00408	0.046642	0.397002
	0.133755	1.990124	0.048173	0.401237
	-0.27722	-2.00188	0.04688	0.397808
MFNG;SUN2;LGALS1;SOX10;C22orf23;CARD10;ANKRD54;DNAL4;CDC42EP1	-0.27166	-1.99261	0.047897	0.400502
	0.179658	2.002626	0.046799	0.397501
	-0.11831	-1.99843	0.047257	0.398847
TRAPPC9	-0.21652	-2.00133	0.046941	0.397897
	-0.17059	-1.99615	0.047507	0.399506
	0.266852	1.993271	0.047824	0.400333
TNFSF14;CD209;VAV1;CD320	-0.19497	-1.99996	0.04709	0.398401
	0.223783	2.004832	0.046561	0.39671
	0.192483	2.001151	0.04696	0.397987
SLIT3;KCNMB1;MIR4454	0.209394	2.000578	0.047022	0.398169
	-0.18853	-1.99377	0.047769	0.400286
	-0.21292	-1.99724	0.047387	0.39917
KIF21B	0.125306	1.998976	0.047197	0.398689
	0.333593	2.006857	0.046342	0.396142
	-0.26215	-2.00094	0.046983	0.398077
IL12RB1;ZNF101;FCHO1;KLHL26;B3GNT3;GMIP	0.256122	2.00538	0.046501	0.396507
	-0.2023	-2.00232	0.046832	0.397645
	0.292221	1.992914	0.047863	0.400417
TSPAN4;TMEM80	0.208507	1.997789	0.047327	0.399013
ENSG00000240893;PHLDB2;WDR52;ABHD10;SLC9C1;BOC	-0.21696	-2.00228	0.046837	0.397661
	0.209808	2.001875	0.046881	0.397808
	0.210651	1.992542	0.047905	0.400504
MFNG;CYTH4;RAC2;SUN2;PDGFB;SOX10	-0.36161	-2.00492	0.046551	0.396682
	0.228519	1.997638	0.047343	0.39905
	0.228101	1.998993	0.047195	0.398689
	-0.29676	-2.00372	0.046681	0.397133
	0.124887	1.998281	0.047273	0.398868
	-0.21973	-1.99815	0.047288	0.398874
	-0.19085	-1.99227	0.047935	0.400554
	0.103696	1.99902	0.047192	0.39868
	0.189021	1.99836	0.047264	0.398859
	-0.13736	-2.00053	0.047028	0.398186

PIK3CD;SPSB1;CLSTN1;KIF1B	-0.27336	-1.99211	0.047952	0.400589
	-0.28479	-1.99986	0.047101	0.398425
	0.26332	2.003394	0.046716	0.397289
	0.159711	1.999437	0.047147	0.398557
USP43;WDR16	-0.31128	-2.00215	0.046851	0.397713
	-0.27796	-2.00282	0.046778	0.39743
	-0.14985	-1.99417	0.047725	0.400164
	-0.18059	-1.99901	0.047193	0.398681
TNFAIP8L1;CATSPERD;PTPRS;SEMA6B;CAPS;RFX2;HSD11B1L;LRG1;SH3GL1;RANBP3;MLLT1;ENSG00000267262;ENSG00000267427;DPP9;ENSG00000266983;NDUFA11;TICAM1;FUT6 SCRG1;HPGD	-0.22209	-1.99838	0.047262	0.398859
	-0.2103	-1.99977	0.04711	0.398425
	-0.28233	-2.00532	0.046507	0.396508
	-0.20291	-1.99756	0.047352	0.39905
	0.13866	2.00015	0.047069	0.398324
	0.158704	1.996347	0.047485	0.39941
	-0.19381	-1.98987	0.048201	0.401284
	0.182886	1.992933	0.047861	0.400415
FGFR4;COL23A1;PDLIM7;DBN1	0.129679	1.997242	0.047387	0.39917
	-0.16076	-2.00426	0.046623	0.396914
FOLR2;FCHSD2;SHANK2;PDE2A	0.189121	2.001228	0.046951	0.397935
	0.158007	2.003062	0.046752	0.397395
	0.12226	1.989849	0.048203	0.401284
SH3BP2	0.248774	1.998541	0.047245	0.398789
CARD11	0.270851	2.004872	0.046556	0.396706
SYTL2;FZD4	-0.18092	-1.99406	0.047737	0.400194
	0.172358	1.99911	0.047182	0.398668
RN7SKP74	-0.17673	-1.99714	0.047398	0.39921
	0.193699	2.000022	0.047083	0.398401
	0.247846	2.001531	0.046918	0.397869
	0.180136	2.001584	0.046913	0.397852
BAI1	-0.2867	-1.99975	0.047113	0.398425
	0.267246	2.000905	0.046986	0.398077
	0.188006	2.000471	0.047034	0.398211
	0.220999	2.004367	0.046611	0.396859
RPL7P25	0.189484	1.998944	0.0472	0.398695
	0.24771	1.998717	0.047225	0.398772
NXPH3;SGCA;COL1A1;ANKRD40;CACNA1G;LRRRC59;LUC7L3 PSMA4;ZFAND6 ENSG00000213090;CLK1	0.25518	2.000836	0.046994	0.398099
	-0.19944	-2.00146	0.046926	0.397869
	-0.12932	-2.00236	0.046828	0.397645
	0.255865	1.99865	0.047233	0.398772
	0.249149	1.995751	0.047551	0.399661
	0.183158	2.000902	0.046987	0.398077
PSMG3;GPR146;PRKAR1B;CHST12;PDGFA;CYP2W1 CPNE5;RNF8;SRSF3;PI16	-0.23207	-1.99735	0.047375	0.399151
	-0.22125	-1.99712	0.047401	0.39921

	0.238021	2.000732	0.047005	0.398107
	0.267365	2.000581	0.047022	0.398169
PIAS3;ANKRD35	0.163423	2.001816	0.046887	0.397808
	-0.26836	-2.0019	0.046879	0.397808
ACBD3;C1orf95;ITPKB;SRP9;PYCR2;H3F3A	-0.23981	-2.00231	0.046833	0.397645
	-0.22514	-2.00205	0.046862	0.397746
	-0.15882	-2.005	0.046542	0.396656
FUOM	-0.14677	-2.00164	0.046906	0.397808
	0.193844	2.000405	0.047041	0.398229
	0.15839	1.994263	0.047714	0.400142
OSBPL3;MPP6;DFNA5;C7orf31	-0.33765	-1.99103	0.048072	0.400951
	0.106113	1.997402	0.047369	0.39911
ARAP3;RNF14	-0.22804	-2.00145	0.046928	0.397869
PFDN6	-0.31236	-2.00523	0.046518	0.39655
	-0.1701	-1.99695	0.047419	0.399225
TPSB2;NME4;TPSD1;TPSAB1	-0.2449	-2.00246	0.046817	0.397609
	-0.24698	-2.00034	0.047048	0.398257
	-0.20712	-1.99428	0.047712	0.400132
	0.116659	1.99827	0.047274	0.398868
	-0.13592	-1.99786	0.047319	0.399002
HMGB1;LINC00426	-0.22891	-2.00026	0.047056	0.398297
ITPR2	0.289428	1.997004	0.047413	0.399225
DPEP2	0.166766	1.989982	0.048189	0.401237
	-0.39673	-2.00289	0.04677	0.39743
ENSG00000259336	-0.1395	-1.99693	0.047421	0.399225
	-0.3324	-1.99995	0.04709	0.398401
	-0.12783	-1.99445	0.047694	0.400069
ENSG00000261068	0.267645	1.996024	0.04752	0.399527
	0.235166	1.989051	0.048292	0.401608
	0.176494	2.001535	0.046918	0.397869
	0.216416	1.998047	0.047299	0.398906
SOWAHA	0.205986	2.002226	0.046843	0.397682
	-0.34734	-1.99804	0.047299	0.398906
	0.262465	1.997993	0.047305	0.398927
FLI1;ARHGAP32;ETS1;SENCR	-0.29817	-2.00362	0.046692	0.397157
	-0.20606	-1.99531	0.047599	0.39976
	0.18402	1.995579	0.047569	0.399742
NOTCH4;PFDN6;RNF5	-0.18896	-2.00403	0.046647	0.397007
	-0.21707	-1.99379	0.047767	0.400285
	0.201363	1.999106	0.047183	0.398668
	-0.14117	-1.99998	0.047087	0.398401
SLX4	-0.2967	-2.00082	0.046995	0.398102
CLSTN3;C1RL-AS1;IFFO1;RBP5;CD27;C1RL;VAMP1;CD163L1	0.296955	2.002502	0.046813	0.397582
	0.129391	2.00172	0.046898	0.397808
	0.248972	2.001908	0.046877	0.397808
FLRT2	0.308052	2.00096	0.046981	0.398077

	0.172468	1.996912	0.047423	0.399225
	0.19404	1.998615	0.047236	0.398772
	0.179655	2.000378	0.047044	0.398247
	-0.20198	-2.00204	0.046863	0.397746
	0.133168	2.00147	0.046925	0.397869
	-0.22657	-1.99974	0.047113	0.398425
	0.130412	1.990949	0.048081	0.400981
	-0.11729	-1.99861	0.047237	0.398772
	0.156351	1.999639	0.047125	0.39845
	0.160514	2.003815	0.046671	0.397099
	0.202203	1.991688	0.047999	0.400756
	0.143857	2.001845	0.046884	0.397808
WNT9A	0.316319	2.004161	0.046633	0.39697
	-0.14591	-2.00069	0.04701	0.398125
	-0.12242	-1.99592	0.047532	0.399592
	-0.15731	-1.99186	0.04798	0.40071
	0.160503	1.994869	0.047648	0.399962
	0.142585	1.999788	0.047108	0.398425
RNF6	0.13983	1.999994	0.047086	0.398401
GPIHBP1;FAM83H-AS1	0.224853	1.993452	0.047804	0.400294
	-0.1511	-1.99829	0.047272	0.398868
ENSG00000269896;TTLL10;MORN1;C1orf222;SKI;PRKCZ;ENSG00000271847;RNF223;NADK;TTC34;TTLL10-AS1	0.177437	1.998567	0.047242	0.398781
	-0.10643	-1.98607	0.048625	0.402419
MEGF6	0.198422	1.998927	0.047202	0.398695
	-0.1286	-1.99705	0.047408	0.399225
AIM2	0.295567	1.998168	0.047285	0.398874
	0.232226	2.001399	0.046933	0.39788
	0.093636	1.998101	0.047293	0.39889
	0.183502	1.991575	0.048012	0.400756
	-0.18911	-1.99987	0.047099	0.398425
	0.094108	1.998378	0.047262	0.398859
	-0.19403	-1.99675	0.047441	0.399292
	0.250846	1.991104	0.048064	0.400923
	0.165645	2.000661	0.047013	0.398135
	0.202193	2.003061	0.046752	0.397395
	-0.16887	-1.99846	0.047254	0.398837
C1orf101;EFCAB2	0.221098	1.996636	0.047453	0.399317
	0.251329	1.998716	0.047225	0.398772
ACTG1P1	0.13896	1.996528	0.047465	0.399317
	-0.15467	-1.99718	0.047394	0.399204
	0.126607	1.991147	0.048059	0.400898
SAPCD2;CAMSAP1;C9orf169	-0.26653	-2.00046	0.047035	0.398211
	0.106709	1.992813	0.047875	0.400421
COTL1	-0.23106	-2.00093	0.046984	0.398077
	0.188538	1.996991	0.047414	0.399225
GPR110;TNFRSF21	0.211412	1.997257	0.047385	0.39917

PRKCH	0.233672	2.001216	0.046953	0.397939
	-0.23333	-1.99975	0.047113	0.398425
	0.205766	1.996391	0.04748	0.399384
	-0.32792	-1.99598	0.047525	0.399552
	-0.17029	-2.00378	0.046674	0.397122
	-0.12274	-1.99679	0.047436	0.399286
	-0.24539	-1.99925	0.047167	0.398655
	-0.2754	-1.98766	0.048448	0.401974
	-0.18959	-2.00075	0.047003	0.398107
	0.149025	1.991161	0.048058	0.400898
ZNF649;ZNF808	0.243827	1.997688	0.047338	0.39905
	0.140182	1.998451	0.047254	0.398837
	-0.1734	-2.0003	0.047052	0.398286
	-0.12399	-1.99999	0.047086	0.398401
	0.180523	1.996048	0.047518	0.399526
	0.227816	2.002888	0.046771	0.39743
	-0.19399	-1.99064	0.048115	0.401122
	0.297862	1.988538	0.048349	0.401772
	0.21	1.995319	0.047598	0.39976
	0.187354	1.99891	0.047204	0.398695
STMN3	0.240981	1.996738	0.047442	0.399292
	-0.18002	-1.99956	0.047133	0.398487
	0.19074	1.994937	0.04764	0.399932
	-0.23449	-1.99272	0.047885	0.400475
	-0.16982	-1.9941	0.047733	0.400185
	-0.28735	-2.00135	0.046938	0.397897
	-0.1787	-1.99912	0.047181	0.398668
	-0.21852	-2.00021	0.047063	0.398311
	0.128647	1.998314	0.047269	0.398868
	-0.24651	-1.99903	0.047191	0.39868
LATS2;IFT88	-0.17211	-1.99986	0.0471	0.398425
	-0.38398	-1.99523	0.047608	0.399778
	-0.23078	-1.99785	0.04732	0.399002
	0.338358	2.002544	0.046808	0.397567
	-0.20286	-2.00064	0.047015	0.398144
	0.193671	1.995245	0.047606	0.399778
	0.202274	1.99674	0.047442	0.399292
	-0.10286	-1.99259	0.0479	0.400502
	0.107974	1.990984	0.048077	0.400967
	0.301573	1.998957	0.047199	0.398695
HERC1;TPM1	-0.26411	-2.0001	0.047074	0.398337
	-0.17746	-1.99455	0.047683	0.400027
	0.315979	1.999535	0.047136	0.398496
	-0.23318	-1.99783	0.047323	0.399003
	-0.26273	-1.99193	0.047972	0.400674
	0.193671	1.995245	0.047606	0.399778
	0.202274	1.99674	0.047442	0.399292
	-0.10286	-1.99259	0.0479	0.400502
	0.107974	1.990984	0.048077	0.400967
	0.301573	1.998957	0.047199	0.398695
EYS	-0.26411	-2.0001	0.047074	0.398337
	-0.17746	-1.99455	0.047683	0.400027
	0.315979	1.999535	0.047136	0.398496
	-0.23318	-1.99783	0.047323	0.399003
	-0.26273	-1.99193	0.047972	0.400674
	0.193671	1.995245	0.047606	0.399778
	0.202274	1.99674	0.047442	0.399292
	-0.10286	-1.99259	0.0479	0.400502
	0.107974	1.990984	0.048077	0.400967
	0.301573	1.998957	0.047199	0.398695



	0.137832	1.993355	0.047815	0.400318
SLBP	0.17464	2.000472	0.047034	0.398211
	0.238114	1.996566	0.047461	0.399317
LIMS2;MYO7B;GPR17	-0.2285	-1.99389	0.047755	0.400263
ST6GALNAC2;SMIM6;FOXJ1;SPHK1;RNF157- AS1;SMIM5;ST6GALNAC1;GALK1;ENSG00000261335;SEC14L1	-0.26431	-2.00314	0.046744	0.397389
	-0.2524	-2.00034	0.047048	0.398257
FLT4;BTNL9;RNF130;CANX	0.228349	2.000365	0.047045	0.39825
FAM101B;SCARF1;DOC2B	-0.255	-1.99533	0.047597	0.39976
OTUB2	-0.26643	-1.99554	0.047574	0.399748
NFKBIE	-0.21439	-2.00169	0.046901	0.397808
ENSG00000219682	0.222139	1.998385	0.047262	0.398859
	0.284005	2.000181	0.047065	0.398312
HCG27	-0.16357	-1.99433	0.047707	0.40011
PAG1	0.190693	1.998371	0.047263	0.398859
	-0.31764	-2.00184	0.046885	0.397808
RER1;SKI	0.18733	2.000179	0.047066	0.398312
RBMS2;LRP1;MARS;ARHGEF25	0.177837	1.993344	0.047816	0.400318
	0.275094	1.997025	0.047411	0.399225
	-0.13162	-1.99979	0.047108	0.398425
	0.252765	1.998121	0.04729	0.398888
	-0.18621	-1.99996	0.04709	0.398401
GRIK3	-0.2701	-1.99702	0.047412	0.399225
GHRLOS	-0.22364	-1.9916	0.048009	0.400756
	-0.17458	-1.99308	0.047845	0.400393
	0.202268	1.999972	0.047088	0.398401
	0.26792	1.997937	0.047311	0.398971
ENSG00000235033	0.319967	1.996526	0.047465	0.399317
	-0.32934	-2.00056	0.047024	0.398169
TUBGCP3;TMEM255B	-0.26007	-1.9926	0.047898	0.400502
	0.171712	1.998019	0.047302	0.398919
CD248;TBC1D10C;PITPNM1;SPTBN2;UNC93B1;ALDH3B2;FAM8 6C2P;ALDH3B1;CTSF;ENSG00000254510;GSTP1	-0.25647	-1.99974	0.047113	0.398425
	0.143622	1.997287	0.047382	0.399167
	-0.28324	-1.99964	0.047125	0.39845
FLG-AS1	0.219077	2.001519	0.04692	0.397869
	-0.14395	-1.99368	0.047779	0.400294
	-0.22752	-1.99886	0.04721	0.398728
	-0.20251	-1.99293	0.047862	0.400415
	0.222562	1.995301	0.0476	0.39976
STAB1	-0.14796	-2.00277	0.046784	0.397448
ZNF506;B3GNT3;LRRC25;LSM4	-0.26093	-1.9992	0.047172	0.398655
	0.100739	1.999117	0.047182	0.398668
	-0.20427	-1.99168	0.048	0.400756
	0.253457	1.999687	0.047119	0.398445
	-0.21373	-1.99693	0.047421	0.399225

SLC51A;MUC4	-0.21212	-1.99867	0.047231	0.398772
CYTIP	-0.34602	-1.99873	0.047224	0.398772
CD5;CD6	0.302776	1.994492	0.047689	0.400069
	0.23702	1.9941	0.047732	0.400185
PRKCH;SIX1;SIX4	-0.32942	-1.99772	0.047334	0.39905
	0.261253	1.998592	0.047239	0.398781
NUDT8	-0.39165	-1.99983	0.047104	0.398425
	0.204006	1.997503	0.047358	0.39905
	0.236784	1.994791	0.047656	0.399976
CYP11A1;BBS4	-0.15891	-1.99864	0.047233	0.398772
	0.188464	1.995337	0.047596	0.39976
	-0.21784	-1.99964	0.047125	0.39845
	-0.13897	-1.98999	0.048188	0.401237
	0.177562	1.993444	0.047805	0.400294
	0.177367	1.999464	0.047144	0.398546
CLEC14A;ENSG00000259087;FOXA1	0.394187	1.996654	0.047451	0.399317
	0.285228	1.996141	0.047508	0.399506
CARS	0.160975	1.995301	0.0476	0.39976
	-0.23517	-1.9976	0.047348	0.39905
	0.335262	1.999136	0.047179	0.398668
	-0.17847	-1.99463	0.047674	0.400002
	-0.19097	-1.99244	0.047915	0.400516
	0.23412	1.998212	0.047281	0.398874
	0.278079	1.989983	0.048188	0.401237
	-0.13907	-1.9983	0.047271	0.398868
	-0.30285	-1.99003	0.048183	0.401237
	0.186895	1.997574	0.04735	0.39905
PSMG3	-0.22376	-1.99406	0.047737	0.400194
	0.223889	1.99588	0.047536	0.399619
C5AR2	0.219055	1.994153	0.047727	0.400165
	-0.29058	-1.98874	0.048327	0.401703
TTC28	-0.20902	-1.99693	0.047421	0.399225
GART	0.209524	1.997883	0.047317	0.399002
LBH	0.226156	1.993788	0.047767	0.400285
	0.206708	2.003397	0.046716	0.397289
PSMG3;GNA12;GPR146	-0.32947	-1.99759	0.047349	0.39905
	-0.15256	-1.99547	0.047581	0.399748
	-0.14671	-1.99557	0.04757	0.399742
	-0.31429	-1.99725	0.047386	0.39917
CADM1	0.237648	1.995478	0.047581	0.399748
	-0.17517	-1.99523	0.047608	0.399778
HIST1H4K	0.211387	1.997282	0.047382	0.399167
ATP6V1G1;ZNF618	-0.21345	-1.99117	0.048056	0.400898
	-0.22231	-1.99729	0.047381	0.399167
	0.127458	1.985438	0.048696	0.402645
	0.106409	1.997702	0.047336	0.39905
	-0.15189	-1.99354	0.047794	0.400294

LCOR	-0.20262	-1.99147	0.048023	0.400794
	0.190009	1.998169	0.047285	0.398874
ALDH3B1;ENSG00000255306;TBC1D10C;UNC93B1;PITPNM1	-0.37487	-2.00023	0.04706	0.398308
	-0.18804	-1.99279	0.047877	0.40043
	0.238872	1.99978	0.047109	0.398425
	0.154187	1.998534	0.047245	0.398789
	-0.22393	-1.997	0.047413	0.399225
	0.310196	1.991201	0.048053	0.400898
SNORA38B	-0.13562	-1.99379	0.047767	0.400285
	-0.19891	-1.992	0.047965	0.400631
HARBI1;C11orf49;AGBL2;CELF1;PTPRJ;KBTBD4	0.204611	1.9962	0.047501	0.399498
	0.226086	1.996903	0.047424	0.399225
TMEM176A	0.154456	1.998981	0.047196	0.398689
	0.126727	1.997526	0.047356	0.39905
	-0.32674	-1.99783	0.047322	0.399002
	-0.15687	-1.99763	0.047344	0.39905
	-0.18905	-1.99717	0.047394	0.399204
	0.320468	2.001647	0.046906	0.397808
SHANK2	-0.14801	-1.99723	0.047388	0.399171
	0.256557	2.001147	0.04696	0.397987
	0.19948	1.997637	0.047344	0.39905
	0.215122	1.996404	0.047479	0.399384
	0.122477	1.994412	0.047698	0.400073
	-0.2955	-1.9946	0.047678	0.400004
WISP1;NDRG1	-0.10135	-1.98966	0.048225	0.40136
	0.305745	1.992523	0.047907	0.400505
	0.268569	1.997141	0.047398	0.39921
	0.211185	1.99536	0.047594	0.39976
FAM227B;SECISBP2L;GALK2 RNF212;TACC3	-0.2366	-2.00073	0.047006	0.398107
	-0.20847	-1.99334	0.047816	0.400318
	-0.24709	-1.99496	0.047638	0.399931
	-0.19382	-2.00025	0.047058	0.3983
	0.257897	1.998175	0.047285	0.398874
	-0.37506	-1.99615	0.047507	0.399506
ENSG00000229064	-0.1893	-1.99934	0.047158	0.398604
	-0.30774	-1.99648	0.04747	0.399339
	0.280752	1.998664	0.047231	0.398772
SNHG15 NBAS;ENSG00000234022	-0.3301	-1.99604	0.047518	0.399526
	0.153331	1.999105	0.047183	0.398668
BAI1	-0.31078	-1.99051	0.04813	0.401144
	-0.17414	-1.99611	0.047511	0.399506
ARID4A TGFB1I1;PRSS53	0.229922	1.996759	0.04744	0.399292
	0.245616	2.000755	0.047003	0.398107
	0.2059	1.997741	0.047332	0.399049
	-0.26927	-1.99892	0.047203	0.398695
	0.167504	1.99911	0.047182	0.398668

	-0.16524	-1.9992	0.047172	0.398655
	0.193398	1.995073	0.047625	0.399846
	-0.19004	-1.9931	0.047843	0.400393
C17orf62	0.220731	1.994406	0.047699	0.400073
FRY	0.281735	2.000433	0.047038	0.398211
	-0.1843	-1.99933	0.047158	0.398604
	-0.14142	-1.9979	0.047314	0.398995
	0.138086	1.993456	0.047803	0.400294
	-0.2883	-2.00063	0.047016	0.398148
MAP4K1;ZNF607	-0.1823	-1.99623	0.047498	0.399486
	-0.19244	-1.99482	0.047653	0.399962
TPPP;LPCAT1;TRIP13	0.356706	1.998043	0.047299	0.398906
	0.311376	1.996905	0.047424	0.399225
	0.247175	1.996614	0.047456	0.399317
	0.280561	2.000794	0.046999	0.398107
	0.278686	1.997569	0.047351	0.39905
MCF2L2	0.267346	1.997708	0.047336	0.39905
	0.175613	1.982859	0.048986	0.40347
HLA-DPA1	0.19969	1.993186	0.047833	0.400377
	0.18073	1.996923	0.047422	0.399225
	0.115317	1.996718	0.047444	0.399302
	-0.24049	-1.98416	0.04884	0.403025
	0.132318	1.998449	0.047255	0.398837
	0.104807	1.989649	0.048226	0.40136
	-0.26973	-1.99676	0.04744	0.399292
	0.176752	1.987428	0.048473	0.402023
	0.182368	1.999225	0.04717	0.398655
	0.226524	1.997839	0.047321	0.399002
	-0.19505	-1.99581	0.047544	0.39965
APBB2;RBM47	0.256926	1.998192	0.047283	0.398874
MFSD6;GLS;MYO1B;NAB1	-0.37572	-1.99328	0.047823	0.400333
	0.173887	1.994585	0.047679	0.400004
	-0.15682	-1.99985	0.047102	0.398425
CCDC125;CDK7;MARVELD2;OCLN;ENSG00000250237;CCNB1;RAD17;SLC30A5;MRPS36;ENSG00000249588	-0.35956	-1.98835	0.04837	0.401823
	0.24909	1.991142	0.04806	0.400898
	-0.12886	-1.99259	0.047899	0.400502
	-0.17888	-1.99553	0.047575	0.399748
DNM3OS	0.312201	1.996119	0.04751	0.399506
	-0.14316	-1.99434	0.047706	0.40011
	0.175404	1.996831	0.047432	0.399266
ENSG00000257438;NUAK1	-0.27992	-1.99035	0.048147	0.401191
MSRB1	-0.32682	-1.99805	0.047298	0.398906
	-0.1877	-1.99863	0.047235	0.398772
RPAP2;GFI1	-0.285	-1.9978	0.047326	0.399013
ALMS1-IT1;ENSG00000270571	-0.12344	-1.99445	0.047694	0.400069
LINC00338	-0.17906	-1.99667	0.04745	0.399317

AGAP1	-0.13744	-1.99621	0.0475	0.399493
	0.293903	1.999403	0.04715	0.398575
	0.197656	1.999553	0.047134	0.398487
	0.221257	1.996097	0.047512	0.399506
	-0.13986	-1.99255	0.047904	0.400504
FBXO44;MIIP;FBXO2 LRCH3	-0.48083	-1.99835	0.047265	0.398859
	-0.14948	-1.9932	0.047832	0.400377
	-0.1292	-1.99544	0.047585	0.399748
	-0.34055	-1.99671	0.047445	0.399302
	0.252962	1.999591	0.04713	0.39847
EXOSC10;PIK3CD;APITD1;RBP7 NUP210	0.276945	1.996749	0.047441	0.399292
	0.206799	1.998058	0.047297	0.398906
	0.268318	1.994637	0.047673	0.400002
	-0.26237	-1.99629	0.047492	0.399443
JAK3;FCHO1;IL12RB1;MAST3;FAM129C;ENSG00000254503 TNK1	-0.31458	-1.99913	0.04718	0.398668
	-0.26039	-1.99508	0.047624	0.399846
	0.191248	1.989556	0.048236	0.401373
	0.171937	1.98807	0.048402	0.401854
	0.221126	1.992099	0.047954	0.400591
	0.17277	1.990792	0.048099	0.40108
	0.17266	1.992268	0.047935	0.400554
	0.199326	1.989618	0.048229	0.401363
	0.204048	2.000221	0.047061	0.398311
	-0.2768	-1.99699	0.047415	0.399225
	0.147508	1.99875	0.047222	0.398772
	-0.1496	-1.99333	0.047818	0.400318
	-0.16197	-1.98902	0.048296	0.401619
	-0.27242	-1.99202	0.047963	0.400631
C4orf32;ANK2;ENSG00000260526	0.225922	1.992202	0.047942	0.400559
	-0.25739	-2.00015	0.047069	0.398324
	0.21168	1.994903	0.047644	0.399942
	-0.15123	-1.99145	0.048026	0.400804
	0.177903	1.998271	0.047274	0.398868
	-0.2451	-1.99529	0.047602	0.399761
	0.165018	1.989513	0.048241	0.401374
	0.128606	1.992332	0.047928	0.400541
	-0.14043	-1.99185	0.047981	0.40071
	-0.17229	-1.99706	0.047407	0.399225
	0.128229	1.99419	0.047723	0.400163
AOC3;TUBG2;CNTNAP1;BECN1;PTRF;ATP6V0A1;ENSG0000026 7221;MPP2;MEOX1;COASY;RUNDC1;RAMP2-AS1;HSD17B1P1	0.151408	1.995865	0.047538	0.399619
	0.167589	1.995605	0.047567	0.39973
	0.196708	1.995445	0.047584	0.399748
NOP14-AS1	-0.17717	-1.99688	0.047427	0.399235
	-0.30903	-1.99203	0.047962	0.400631
NPLOC4;OXLD1				

LHX6	0.421363	1.998614	0.047237	0.398772
	-0.20768	-1.991	0.048076	0.400967
	0.09971	1.993599	0.047788	0.400294
	0.312142	1.993507	0.047798	0.400294
CNTD1;TMEM106A	0.218792	1.995734	0.047552	0.399664
TRAF3IP3	0.305888	1.994744	0.047661	0.399977
	-0.34209	-1.99544	0.047585	0.399748
	0.193303	1.988992	0.048299	0.401619
	0.144507	1.990006	0.048186	0.401237
	0.117243	1.990249	0.048159	0.401217
	-0.1946	-1.99477	0.047659	0.399976
MLLT4;THBS2	-0.29415	-1.99548	0.04758	0.399748
	-0.2339	-1.98895	0.048303	0.401619
KMT2A;PHLDB1;UBE4A;MCAM;HMBS;MPZL2;TRIM29;SCN2B	-0.18169	-1.99882	0.047214	0.398747
PGM2L1;POLD3;PLEKHB1;DNAJB13;UCP2;C2CD3;ENSG000002				
54837;PPME1;ENSG00000255847;KCNE3;MRPL48;FCHSD2;AR				
HGEF17;LIPT2	-0.26464	-1.98389	0.04887	0.40307
	0.197486	1.994725	0.047663	0.399977
	-0.10748	-1.99659	0.047458	0.399317
	0.259435	1.997294	0.047381	0.399167
	-0.23221	-1.99344	0.047806	0.400294
	0.249128	1.994648	0.047672	0.400002
ZC2HC1C;IFT43;DLST;TTLL5;ACYP1	-0.17177	-1.99126	0.048047	0.400861
TNS1;RQCD1;TTLL4;STK36;CTDSP1;PNKD;C2orf62;CXCR2;ZNF14				
2;ENSG00000224414;DIRC3	0.226837	1.989267	0.048268	0.401502
PPP5D1;SAE1	-0.14219	-1.9937	0.047777	0.400294
	0.242531	1.991421	0.048029	0.400804
	-0.23308	-2.00067	0.047012	0.398133
	-0.2075	-1.99223	0.04794	0.400557
	0.261626	1.995122	0.04762	0.399842
	-0.18234	-1.99446	0.047693	0.400069
CSF1;AMPD2	-0.19963	-1.99172	0.047996	0.400756
LCNL1;PTGDS;UAP1L1;UBAC1	-0.18969	-1.99966	0.047122	0.39845
	0.183819	1.999162	0.047177	0.398668
LEPREL2	0.232361	1.993034	0.04785	0.400408
	0.215553	1.991997	0.047965	0.400631
	-0.2371	-1.99653	0.047465	0.399317
	0.252558	1.994607	0.047676	0.400004
NUP43	-0.15596	-1.99908	0.047186	0.398668
PDE9A;CBS;SLC37A1;ENSG00000225331;CSTB;ICOSLG	-0.31144	-1.98314	0.048955	0.403348
	0.239022	1.989442	0.048249	0.401403
	0.205569	1.998304	0.04727	0.398868
EPB41L1;SLA2	0.28372	1.998783	0.047218	0.398772
	-0.15594	-1.99174	0.047994	0.400756
	-0.15953	-1.99081	0.048097	0.40108
	0.251274	1.998145	0.047288	0.398874

	0.199148	1.989066	0.048291	0.401608
	-0.18243	-1.99509	0.047623	0.399846
	0.175888	1.990696	0.048109	0.401122
	-0.30606	-1.99411	0.047731	0.400185
ENSG00000251637;RBM14;ENSG00000255306	0.243222	1.991326	0.048039	0.400834
	-0.20016	-1.99033	0.048149	0.401191
	-0.13336	-1.99346	0.047803	0.400294
	0.263341	1.993268	0.047824	0.400333
ENSG00000260285	-0.22016	-1.99724	0.047387	0.39917
	-0.22592	-1.99288	0.047867	0.400421
	-0.17175	-1.99573	0.047553	0.399664
	-0.23715	-1.99701	0.047412	0.399225
NTAN1	0.134569	1.995354	0.047594	0.39976
	-0.14502	-1.99253	0.047906	0.400505
	0.299491	2.000134	0.047071	0.398324
	-0.19145	-1.99629	0.047491	0.399443
	-0.17983	-1.99345	0.047804	0.400294
	0.238712	1.993445	0.047805	0.400294
	-0.12754	-1.9942	0.047721	0.400157
	0.172219	1.993017	0.047852	0.400408
	0.182776	1.996188	0.047503	0.399501
	0.218526	1.992557	0.047903	0.400504
	0.281646	1.992405	0.04792	0.400533
	0.197758	1.994713	0.047665	0.399977
NCKAP1L	0.255307	1.993419	0.047808	0.400295
ANO1;CTTN	-0.38181	-1.98587	0.048648	0.402478
SPRY4				
PIGV;CEP85;PDIK1L;TRNP1;FAM110D;HMG2;C1orf172;RPS6K				
A1;NUDC;WDTC1;PAFAH2;CD164L2	-0.34229	-1.98723	0.048495	0.402056
	0.178526	1.996575	0.04746	0.399317
FAU	0.198937	1.996474	0.047471	0.399339
UBE2E1	-0.29975	-1.98897	0.048302	0.401619
	0.292923	1.994755	0.04766	0.399977
	0.180115	1.999026	0.047192	0.39868
	-0.25234	-1.99346	0.047803	0.400294
	0.180549	1.990148	0.04817	0.401237
	0.271363	1.990579	0.048122	0.401122
ENSG00000259924;CLPX	0.152734	1.990288	0.048155	0.401211
	0.194692	1.993552	0.047793	0.400294
	-0.17614	-1.98933	0.048262	0.401462
WNT9A;RAB4A	0.309515	1.997531	0.047355	0.39905
	-0.28384	-1.9971	0.047402	0.399216
	-0.28902	-1.99356	0.047792	0.400294
ZDHC13;PRMT3;E2F8;HTATIP2	-0.29462	-1.99236	0.047925	0.400541
	0.115657	1.993877	0.047757	0.400271
	0.210918	1.999398	0.047151	0.398575
	0.199748	1.994234	0.047718	0.400151
	0.258448	1.998348	0.047266	0.398859

NRROS	-0.32792	-1.99477	0.047659	0.399976
	-0.17296	-1.99184	0.047982	0.40071
	-0.15502	-1.99448	0.047691	0.400069
	-0.22245	-1.99732	0.047378	0.399167
	-0.29241	-1.99571	0.047555	0.399678
	0.124557	1.994712	0.047665	0.399977
	0.289225	1.986128	0.048619	0.402409
	-0.23852	-1.99391	0.047754	0.400261
	-0.14865	-1.99547	0.047581	0.399748
	0.225628	1.992852	0.04787	0.400421
NEDD9;TMEM14B;SYCP2L;C6orf52	-0.34648	-1.98917	0.048279	0.401569
	0.132971	1.992163	0.047947	0.400575
	-0.16077	-1.98978	0.048211	0.401307
	0.188435	1.988958	0.048303	0.401619
TACC3	0.140334	1.993363	0.047814	0.400318
	0.172828	1.996588	0.047459	0.399317
SMTN;DUSP18;SEC14L4;ENSG00000198832;SEC14L3;CCDC157 ;EIF4ENIF1;ENSG00000181123;LIMK2	-0.29037	-1.98833	0.048372	0.401823
	-0.18127	-1.99311	0.047842	0.400393
ZG16B;MSRB1	-0.22442	-1.99653	0.047465	0.399317
	-0.1743	-1.99177	0.04799	0.400756
PDZD8	-0.26773	-1.99315	0.047837	0.400391
	0.264416	1.995842	0.047541	0.399632
UQCRCQ;SOWAHA;HSPA4	-0.27618	-1.99381	0.047764	0.400285
	-0.18365	-1.99305	0.047848	0.4004
MAP4K1	0.306845	1.99569	0.047557	0.399686
	-0.19651	-1.99644	0.047474	0.399359
	0.159024	1.992458	0.047914	0.400516
	0.102843	1.992399	0.04792	0.400533
	0.274602	1.997873	0.047318	0.399002
	-0.22982	-1.98992	0.048195	0.401263
ENSG00000115128 IQGAP3	-0.25578	-1.99607	0.047515	0.399521
	-0.13229	-1.984	0.048858	0.403031
C3orf18;LAMB2;CACNA2D2;GPX1;RASSF1;UBA7;SEMA3B ENSG00000225744;MERTK	-0.34644	-1.9953	0.047601	0.39976
	-0.30728	-1.98768	0.048445	0.401969
	-0.25603	-1.99516	0.047615	0.399822
	0.108004	1.98335	0.048931	0.403256
	0.228024	1.994611	0.047676	0.400004
	0.161828	1.994422	0.047697	0.400073
TEX21P ADCY7;SNX20;CYLD	0.207073	1.985724	0.048664	0.402509
	0.285892	1.995764	0.047549	0.399661
	-0.16821	-1.99654	0.047464	0.399317
TIE1;PTPRF;TMEM125;C1orf210;ERI3;LEPRE1;EBNA1BP2;ST3G AL3;SLC2A1	-0.18161	-1.98845	0.048359	0.401809
	0.222715	1.992983	0.047856	0.400415
	0.252725	1.998496	0.047249	0.398817



DARS2	-0.19181	-1.98582	0.048654	0.402478
	0.231192	1.99556	0.047572	0.399744
	-0.19109	-1.99294	0.047861	0.400415
	-0.21569	-1.99477	0.047659	0.399976
	0.163056	1.991396	0.048032	0.400804
	0.148375	1.990336	0.048149	0.401191
	-0.27793	-1.99825	0.047277	0.398874
	0.24549	1.994416	0.047698	0.400073
	-0.24669	-1.99187	0.047979	0.400071
	-0.11485	-1.99254	0.047905	0.400504
	-0.15646	-1.99907	0.047187	0.398668
	-0.15266	-1.99268	0.04789	0.400487
	0.231333	1.993067	0.047847	0.4004
	0.213616	1.996524	0.047466	0.399317
	-0.22632	-1.99286	0.04787	0.400421
DHX58	0.271627	1.997524	0.047356	0.39905
	0.216083	1.991408	0.04803	0.400804
	0.234655	1.990502	0.048131	0.401144
	-0.26289	-1.99484	0.047651	0.399962
	0.16107	1.998184	0.047284	0.398874
	-0.3078	-1.98977	0.048213	0.401313
	0.28184	1.993797	0.047766	0.400285
	0.142332	1.993639	0.047783	0.400294
	0.144291	1.993374	0.047813	0.400318
	-0.19784	-1.98861	0.048341	0.401763
	0.167278	1.988139	0.048394	0.401842
	0.20919	1.996826	0.047432	0.399266
	-0.17223	-1.99464	0.047673	0.400002
	-0.20894	-1.99458	0.047679	0.400004
	0.145384	1.987232	0.048495	0.402056
	-0.30446	-1.99346	0.047803	0.400294
IGF2;NAP1L4	-0.17919	-1.99201	0.047963	0.400631
	-0.19542	-1.99332	0.047818	0.400318
	0.177412	1.992925	0.047862	0.400415
	0.15279	1.999059	0.047188	0.398668
	0.242564	1.991417	0.048029	0.400804
	-0.16485	-1.99742	0.047367	0.399099
	-0.22709	-1.98988	0.0482	0.401284
	-0.16421	-1.98665	0.048561	0.402227
	0.280001	1.997016	0.047412	0.399225
	0.175423	1.990043	0.048182	0.401237
	0.241204	1.995364	0.047593	0.39976
	-0.18505	-1.98731	0.048487	0.402056
	0.263852	1.993549	0.047793	0.400294
	-0.28825	-1.99547	0.047582	0.399748
	-0.30412	-1.98678	0.048546	0.402182
	0.302206	1.996033	0.047519	0.399526
HLA-E;HCP5;C2;HLA-B				
ARID3A;MISP;HMHA1;MOB3A;SHC2;REEP6				

ENSG00000263916	-0.25164	-1.99354	0.047794	0.400294
	0.109055	1.994228	0.047718	0.400151
	-0.14732	-1.99046	0.048135	0.401147
ENSG00000214283	0.169189	1.992434	0.047917	0.400517
	0.206809	1.989406	0.048253	0.401419
	0.245753	1.995366	0.047593	0.39976
	0.262396	1.989491	0.048243	0.401379
	0.259255	1.993912	0.047753	0.400261
CRNDE;IRX3;IRX5;RPGRIP1L	-0.22263	-1.98844	0.04836	0.401814
	0.25882	1.996692	0.047447	0.399311
	0.293522	1.992649	0.047893	0.400498
	0.349825	1.991726	0.047995	0.400756
	-0.22061	-1.98827	0.048379	0.401823
	-0.28996	-1.9858	0.048656	0.402482
	-0.14628	-1.99633	0.047487	0.399416
	0.203583	1.991676	0.048001	0.400756
	0.250969	1.994912	0.047643	0.399942
	-0.30725	-1.99184	0.047982	0.40071
MCAT;TTLL1;NFAM1	0.198339	1.9943	0.04771	0.400127
GPATCH8;BECN1;MPP3;RPL27;NBR1;TMEM101	-0.25259	-1.99377	0.047769	0.400286
	-0.16026	-1.98744	0.048473	0.402023
TNFRSF1B	-0.28141	-1.9935	0.047799	0.400294
	-0.22532	-1.99398	0.047745	0.400224
	0.266224	1.993529	0.047795	0.400294
	-0.33234	-1.99362	0.047785	0.400294
TMEM116;TCTN1;SH2B3;GPN3;ARPC3 ISLR	0.196112	1.987122	0.048508	0.402076
	0.170365	1.990026	0.048184	0.401237
	-0.3028	-1.98434	0.048819	0.402934
	-0.23189	-1.99314	0.047838	0.400393
VCL;ZNF503 BATF;FLVCR2;ZC2HC1C	-0.18744	-1.98947	0.048246	0.401391
	-0.26386	-1.98628	0.048602	0.402374
	0.330131	1.996125	0.047509	0.399506
	0.20368	1.981334	0.049159	0.403888
SPEG;STK16;DES;RQCD1;GLB1L;ZNF142;STK11IP	0.151543	1.992829	0.047873	0.400421
	0.299434	1.99694	0.04742	0.399225
	0.135229	1.991209	0.048052	0.400898
	-0.16556	-1.99245	0.047915	0.400516
	0.194496	1.988066	0.048402	0.401854
	-0.3264	-1.99302	0.047851	0.400408
CEP85;ZNF683	-0.18861	-1.99692	0.047422	0.399225
	0.252021	1.993937	0.04775	0.400247
	0.239158	1.99115	0.048059	0.400898
	0.22039	1.99411	0.047731	0.400185
	0.155001	1.990549	0.048126	0.40113
ELMO1;SFRP4	-0.34562	-1.99294	0.047861	0.400415
	-0.11725	-1.9906	0.04812	0.401122
C14orf37;GPR135	0.119951	1.993334	0.047817	0.400318

	0.192597	1.991317	0.04804	0.400834
	0.208341	1.993539	0.047794	0.400294
	-0.23949	-1.99712	0.047401	0.39921
	0.275825	1.995068	0.047626	0.399846
	-0.18801	-1.99159	0.048011	0.400756
	0.193896	1.99567	0.047559	0.399694
	-0.176	-1.99762	0.047345	0.39905
	0.152407	1.984028	0.048855	0.403031
	0.253804	1.996382	0.047481	0.399384
	0.179388	1.998696	0.047228	0.398772
	0.156983	1.992059	0.047958	0.400613
	0.135158	1.994632	0.047674	0.400002
	-0.30732	-1.99543	0.047586	0.399749
	0.240008	1.994054	0.047738	0.400194
	-0.13859	-1.99269	0.047888	0.400487
	-0.26608	-1.99425	0.047716	0.400145
	0.189619	1.990188	0.048166	0.401234
	0.146961	1.986795	0.048544	0.402182
	-0.15597	-1.99058	0.048122	0.401122
FAM110C	-0.25769	-1.98693	0.048529	0.40214
	-0.21122	-1.99566	0.04756	0.399694
PCDH12;ARHGAP26;SPRY4	-0.21346	-1.99134	0.048038	0.400834
	-0.14174	-1.99493	0.047641	0.399932
CBX2;C1QTNF1;RNF213;CBX8;CCDC40;ENSG00000263069	0.415426	1.990403	0.048142	0.401168
ARPC5	0.213914	1.986833	0.04854	0.402181
GOT2;CNOT1	-0.24285	-1.9958	0.047545	0.399655
	0.151098	1.991258	0.048047	0.400861
GFM1	0.344138	1.993682	0.047779	0.400294
	-0.29164	-1.99359	0.047789	0.400294
	-0.15248	-1.99469	0.047667	0.399984
	0.293788	1.997502	0.047358	0.39905
PPP1R7	-0.30281	-1.9876	0.048454	0.401999
	-0.34515	-1.99005	0.048181	0.401237
	0.233352	1.991576	0.048012	0.400756
	0.20168	1.988751	0.048326	0.401703
LIFR;DAB2;EGFLAM	0.294111	1.9932	0.047832	0.400377
	-0.26246	-1.99283	0.047872	0.400421
	-0.12378	-1.98953	0.048239	0.401373
	-0.13014	-1.99416	0.047725	0.400164
LENG9;HSPBP1	0.161105	1.989847	0.048204	0.401284
	0.183954	1.996034	0.047519	0.399526
	-0.12472	-1.98612	0.04862	0.402409
	-0.16265	-1.99367	0.04778	0.400294
TRPV2;ADORA2B;ZSWIM7;ZNF287;TBC1D27	-0.34038	-1.99444	0.047695	0.400069
	0.169764	1.985439	0.048696	0.402645
	-0.15184	-1.99372	0.047774	0.400294

SEPT4;MRPS23;SUPT4H1;VEZF1;GDPD1;YPEL2;TRIM37	-0.24656	-1.99309	0.047844	0.400393
	0.174546	1.992847	0.047871	0.400421
	-0.20268	-1.98545	0.048695	0.402645
	-0.19361	-1.99708	0.047405	0.399225
SLFN12L;ENSG00000267554;ENSG00000255987;ENSG00000267369;ENSG00000267074	-0.24102	-1.99332	0.047819	0.400318
KRT80;TENC1	0.195731	1.995416	0.047587	0.399751
ENSG00000233068	0.221578	1.993623	0.047785	0.400294
	0.208687	1.990229	0.048161	0.401221
	0.234404	1.994208	0.047721	0.400157
	0.219265	1.992286	0.047933	0.400554
RAPGEF4	-0.22438	-1.98884	0.048316	0.401678
RIMS4	-0.13933	-1.99169	0.047998	0.400756
	0.219702	1.992189	0.047944	0.400563
ENSG00000197502	-0.30764	-1.9853	0.048712	0.402675
STARD13	0.221976	1.988307	0.048375	0.401823
MRGPRF	-0.26381	-1.99246	0.047913	0.400516
	-0.12925	-1.98532	0.04871	0.402674
FERMT3;CCDC88B	0.192425	1.992888	0.047866	0.400421
	0.217568	1.988943	0.048304	0.401622
	0.17158	1.99344	0.047805	0.400294
	0.191556	1.995636	0.047563	0.399713
RASAL3	-0.68112	-1.99595	0.047529	0.399574
SHANK2;SHANK2-AS1;SHANK2-AS3	0.341169	1.995161	0.047616	0.399822
	0.248527	1.99395	0.047749	0.400243
SERPINB1;WRNIP1;PRPF4B	-0.21011	-1.99383	0.047762	0.400285
	-0.18581	-1.99153	0.048017	0.400769
	0.16308	1.99278	0.047878	0.400432
	-0.15174	-1.99109	0.048066	0.400923
	-0.22218	-1.99221	0.047941	0.400557
C1orf189;SHC1;MTX1;YY1AP1;SLC25A44;ENSG00000231064;EFNA4;THBS3;ASH1L;ASH1L-AS1;SEMA4A;MEX3A;SHE;RUSC1;LMNA;ZBTB7B;ADAM15	-0.19058	-1.99077	0.048101	0.401088
FKBP10;PTRF;ATP6VOA1;KRT23	-0.17891	-1.99368	0.047779	0.400294
	0.240656	1.991	0.048076	0.400967
	0.193708	1.985105	0.048734	0.402731
	0.377325	1.996104	0.047512	0.399506
FYN	0.243238	1.990798	0.048098	0.40108
	-0.31875	-1.99744	0.047365	0.399098
	0.208034	1.984401	0.048813	0.402927
	0.349896	1.995452	0.047583	0.399748
LRRC32;CAPN5;DGAT2	-0.0899	-1.99192	0.047974	0.400681
PLXND1	-0.16677	-1.99358	0.04779	0.400294
	0.109749	1.991697	0.047998	0.400756
KLHDC7A;AKR7A2;ARHGEF10L	-0.25339	-1.98795	0.048415	0.401869
TCTEX1D1;DNAJC6	-0.29201	-1.9956	0.047567	0.39973

MYO1G	-0.24243	-1.99639	0.04748	0.399384
RGS11	0.200162	1.985373	0.048704	0.402655
RAB6B	-0.25599	-1.9916	0.048009	0.400756
CGN;SELENBP1;RORC;GOLPH3L;THEM4;BNIPL;ADAMTSL4;HRN R;CTSK;S100A11;ENSA;CTSS;SEMA6C;FLG;POGZ;PSMD4;ENSGO 0000269621	-0.311	-1.9896	0.048232	0.401373
SPIN1;SHC3;SEMA4D	-0.27514	-1.98643	0.048585	0.402326
	-0.29176	-1.99544	0.047585	0.399748
	0.277424	1.992333	0.047928	0.400541
	-0.1844	-1.99535	0.047595	0.39976
	0.176379	1.992599	0.047898	0.400502
MLLT4	0.23649	1.995448	0.047584	0.399748
SASH1	0.275528	1.98605	0.048628	0.402424
	0.193167	1.990061	0.04818	0.401237
	-0.12098	-1.99299	0.047855	0.400415
	0.251972	1.990929	0.048083	0.400986
ARID3A;HMHA1;MOB3A	-0.23944	-1.99523	0.047607	0.399778
	0.19184	1.991626	0.048006	0.400756
APOL3;MFNG;C22orf23	0.28758	1.985933	0.048641	0.40247
	0.101871	1.992669	0.047891	0.400487
	-0.14896	-1.99485	0.04765	0.399962
RBPM5;KIF13B;GSR;GTF2E2;DUSP4;HMBOX1;TMEM66 IL21R;KIAA0556;ENSG00000261329;ENSG00000245888;GTF3C 1;KDM8	0.270906	1.992341	0.047927	0.400541
	0.357732	1.993989	0.047745	0.400224
	0.200397	1.987645	0.048449	0.401974
	-0.12612	-1.9897	0.04822	0.401344
	-0.19242	-1.9864	0.048588	0.402337
VWA7;LY6G5C;CCHCR1;SLC44A4;NELFE;HSPA1L;TCF19	-0.24005	-1.99064	0.048115	0.401122
	-0.19317	-1.98066	0.049235	0.40409
	-0.22213	-1.99062	0.048117	0.401122
	-0.17305	-1.98519	0.048724	0.402707
	0.254248	1.988992	0.048299	0.401619
	0.247933	1.992066	0.047957	0.400613
	0.110613	1.990061	0.04818	0.401237
	0.198639	1.992595	0.047899	0.400502
	0.237187	1.997662	0.047341	0.39905
	-0.20057	-1.98952	0.04824	0.401373
	0.161171	1.990222	0.048162	0.401221
	0.331155	1.99523	0.047608	0.399778
	0.16336	1.987782	0.048434	0.401941
	-0.21149	-1.98379	0.048881	0.403079
SCEL	-0.26074	-1.98835	0.04837	0.401823
	0.198041	1.987079	0.048512	0.402078
	0.17383	1.984835	0.048764	0.402772
INHBA;GLI3	0.224323	1.990603	0.04812	0.401122
	0.257858	1.993537	0.047795	0.400294
	0.222157	1.994449	0.047694	0.400069

	0.18868	1.995135	0.047618	0.399838
	0.179002	1.988574	0.048345	0.401772
	-0.11183	-1.98939	0.048254	0.40142
	0.280342	1.99021	0.048163	0.401221
PSMG3	0.124772	1.993155	0.047837	0.400391
	0.211556	1.983823	0.048878	0.40307
	-0.17666	-1.99064	0.048116	0.401122
TMEM119;ACACB;WSCD2;KCTD10	0.175232	1.987157	0.048504	0.402059
	0.233817	1.992817	0.047874	0.400421
ZCCHC10;UQCRQ	-0.24023	-1.9954	0.047589	0.39976
	0.217022	1.993602	0.047787	0.400294
	-0.20631	-1.99281	0.047875	0.400421
	-0.20724	-1.99376	0.04777	0.400287
GLIS1	-0.24563	-1.9933	0.04782	0.400324
	-0.31328	-1.9916	0.048009	0.400756
	0.305333	1.994795	0.047656	0.399976
ACP5;DOCK6;EPOR;ZNF44;KANK2;QTRT1;RGL3;CNN1;AP1M2;ZNF69;CCDC159	-0.28301	-1.99026	0.048157	0.401217
	0.217965	1.990328	0.04815	0.401191
ADAMTS6;RNF180	0.290343	1.989681	0.048222	0.401352
	-0.1381	-1.99056	0.048124	0.40113
NOP2;CD9	-0.26328	-1.9951	0.047622	0.399846
	0.269564	1.99238	0.047923	0.400541
	-0.18372	-1.9909	0.048086	0.401003
	0.116469	1.989253	0.04827	0.401506
	0.117589	1.9888	0.04832	0.401691
LRRC59	-0.22776	-1.99343	0.047807	0.400294
HECW1	0.257546	1.987876	0.048423	0.4019
AHNAK;CHRM1	-0.17002	-1.9883	0.048376	0.401823
SYNGR2	-0.16354	-1.99161	0.048008	0.400756
	-0.19993	-1.98436	0.048817	0.402934
	0.19761	1.991576	0.048012	0.400756
	0.209276	1.989854	0.048203	0.401284
PSMB2;KIAA0319L	0.461948	1.98846	0.048358	0.401809
	-0.14399	-1.98801	0.048409	0.401854
MIA3	-0.15399	-1.98657	0.04857	0.402262
HIF3A	0.210453	1.992451	0.047915	0.400516
	-0.28544	-1.99483	0.047651	0.399962
FGGY	0.262246	1.994297	0.047711	0.400127
	0.245525	1.991405	0.048031	0.400804
SCARF1	-0.21937	-1.99578	0.047547	0.399661
	0.297544	1.98896	0.048302	0.401619
	-0.15177	-1.99247	0.047913	0.400516
RALGPS1	0.27582	1.988567	0.048346	0.401772
	0.14891	1.990701	0.048109	0.401122
FOXN1	-0.24602	-1.99147	0.048023	0.400794
	-0.17021	-1.98033	0.049272	0.40412

ENSG00000249852	0.165528	1.9915	0.04802	0.400786
	0.160918	1.994734	0.047662	0.399977
	0.125166	1.991984	0.047966	0.400636
	0.26675	1.994704	0.047666	0.399977
	0.117496	1.9879	0.048421	0.401897
IRF4 PIK3R6;ARHGEF15;CTC1	-0.15009	-1.99346	0.047804	0.400294
	0.246196	1.99263	0.047895	0.400502
	0.207984	1.991545	0.048015	0.40076
	-0.12613	-1.99381	0.047764	0.400285
	0.239237	1.990942	0.048082	0.400981
LDB2 MS4A8;DAK;PPP1R32;LRRC10B TPPP BMP6;TXNDC5 SDC4;PIGT;TOMM34;DNMTIP1;WFDC2 ZNF850	-0.20911	-1.99273	0.047883	0.400467
	0.186831	1.990638	0.048116	0.401122
	0.217057	1.993523	0.047796	0.400294
	-0.20984	-1.98815	0.048393	0.401841
	-0.32177	-1.98672	0.048552	0.402182
CPVL	0.216124	1.982835	0.048989	0.40347
	-0.39102	-1.99587	0.047538	0.399619
	-0.28422	-1.9923	0.047931	0.400551
	0.222238	1.989534	0.048238	0.401373
	0.180947	1.991044	0.048071	0.40095
PAG1 CDHR3;RINT1;EFCAB10;ENSG00000272604 ACE	-0.14081	-1.99545	0.047584	0.399748
	-0.11919	-1.98875	0.048326	0.401703
	0.125336	1.983468	0.048918	0.403216
	0.212797	1.992335	0.047927	0.400541
	-0.20567	-1.98909	0.048288	0.4016
	0.150625	1.98753	0.048462	0.402018
	0.120274	1.987365	0.04848	0.40203
	-0.39904	-1.99166	0.048002	0.400756
	-0.10692	-1.98817	0.04839	0.401841
	0.3516	1.993979	0.047746	0.400224
	-0.16344	-1.99404	0.04774	0.400204
	-0.14493	-1.99042	0.04814	0.401158
	-0.1829	-1.98998	0.048188	0.401237
	0.228742	1.983068	0.048963	0.403361
	0.23553	1.986134	0.048618	0.402409
	-0.21755	-1.99003	0.048183	0.401237
	0.37173	1.990459	0.048136	0.401147
	0.202293	1.993742	0.047772	0.400294
	-0.19549	-1.98992	0.048195	0.401263
	-0.19567	-1.99286	0.047869	0.400421
	0.115038	1.976296	0.049732	0.40528
	-0.29249	-1.98717	0.048502	0.402056
	-0.20281	-1.98978	0.048211	0.401307
	-0.16193	-1.9906	0.04812	0.401122
	-0.1996	-1.98052	0.049251	0.404119
	0.150751	1.989145	0.048282	0.401574
	-0.18796	-1.99211	0.047952	0.400589

C5AR2	-0.17415	-1.98506	0.048739	0.402731
	-0.2883	-1.99232	0.047929	0.400541
	0.256304	1.986695	0.048555	0.402194
	0.189528	1.990545	0.048126	0.40113
ZBTB7C	-0.17309	-1.99004	0.048182	0.401237
	-0.25784	-1.98741	0.048475	0.402023
	0.160006	1.989627	0.048228	0.401363
	0.176775	1.984705	0.048779	0.40283
	0.266915	1.988288	0.048377	0.401823
	0.240316	1.993002	0.047854	0.400414
	0.175703	1.992372	0.047923	0.400541
	-0.29217	-1.98348	0.048917	0.403214
	0.175848	1.988221	0.048385	0.401841
	-0.30677	-1.98606	0.048626	0.402419
	-0.4094	-1.98112	0.049183	0.403897
	-0.12739	-1.9816	0.049129	0.403857
MCAM;CBL;TRIM29	0.218594	1.990991	0.048076	0.400967
	-0.21296	-1.98767	0.048446	0.401972
	0.278254	1.99067	0.048112	0.401122
USF1;ATP1A2;PVRL4;F11R;MPZ;TAGLN2;SDHC;CD244;ARHGAP30;TSTD1;UFC1;PEA15	-0.35899	-1.99319	0.047833	0.400377
	0.192705	1.989983	0.048188	0.401237
	0.163761	1.985828	0.048653	0.402478
	-0.19184	-1.98415	0.048841	0.403025
	-0.22238	-1.99155	0.048014	0.40076
ALG1L;FAM86JP	-0.23835	-1.98096	0.049201	0.403961
	0.198333	1.991615	0.048007	0.400756
	-0.21591	-1.99213	0.04795	0.400588
SEC14L3;ENSG00000181123;DUSP18;SEC14L4;CCDC157;SDC4P;ENSG00000250318;THOC5	-0.19385	-1.9853	0.048712	0.402675
	0.197226	1.992671	0.04789	0.400487
GLT8D2;TXNRD1;ASCL1	-0.31015	-1.98493	0.048754	0.402748
	-0.13453	-1.99126	0.048046	0.400861
	-0.18656	-1.99167	0.048001	0.400756
TNFRSF1B;ANGPTL7;PLOD1;MIIP;DHRS3;TNFRSF8	-0.25488	-1.98237	0.049042	0.403578
	0.18388	1.98609	0.048623	0.402418
	-0.25587	-1.99257	0.047901	0.400504
ENSG00000218596	0.237202	1.989731	0.048217	0.401324
	-0.24586	-1.98769	0.048444	0.401969
	-0.14513	-1.98482	0.048765	0.402775
ZNRD1-AS1	0.163631	1.987407	0.048476	0.402023
	0.155645	1.976495	0.049709	0.405211
POLE	-0.19654	-1.99034	0.048149	0.401191
	0.199762	1.991398	0.048031	0.400804
	0.216965	1.987092	0.048511	0.402078
	0.293089	1.986912	0.048531	0.40214
	0.229866	1.98913	0.048283	0.401574



	-0.12158	-1.98773	0.04844	0.401965
	-0.17104	-1.98861	0.048341	0.401763
	-0.13553	-1.98339	0.048927	0.403244
	0.224716	1.987471	0.048469	0.402023
	-0.16742	-1.98759	0.048455	0.401999
	0.260316	1.985843	0.048651	0.402478
	0.320915	1.992897	0.047865	0.400421
	0.176275	1.988152	0.048393	0.401841
NEK5	-0.28969	-1.98956	0.048236	0.401373
	0.21715	1.979309	0.049388	0.404488
	0.239481	1.988196	0.048388	0.401841
TMEM14B	0.208185	1.988806	0.04832	0.401691
NRP2	-0.28238	-1.99351	0.047798	0.400294
CD200	-0.16684	-1.98669	0.048556	0.402194
	-0.16462	-1.98623	0.048607	0.402393
	0.13885	1.989432	0.04825	0.401403
	0.202796	1.988471	0.048357	0.401809
	0.11382	1.981149	0.04918	0.403895
SLC9A3;ENSG00000188242	-0.34905	-1.99045	0.048136	0.401147
	0.104218	1.989079	0.048289	0.401605
ADARB2;ADARB2-AS1	0.268408	1.985909	0.048644	0.402477
	0.257633	1.99163	0.048006	0.400756
PTPRN2	0.172769	1.990351	0.048148	0.401191
	0.094037	1.98495	0.048751	0.402736
	0.136961	1.986266	0.048603	0.402374
	0.142641	1.991063	0.048069	0.400941
PPP1R18;TNXB	-0.27619	-1.98673	0.048551	0.402182
ITGA8;FAM107B	0.257114	1.991098	0.048065	0.400923
	-0.17343	-1.9813	0.049162	0.403888
	-0.1604	-1.98328	0.048939	0.403284
ELF5	-0.39683	-1.97929	0.04939	0.404488
	0.318206	1.988085	0.0484	0.401854
	-0.17967	-1.99144	0.048026	0.400804
RSG1;CROCC;ENSG00000233421;FBLIM1;NECAP2;CLCNKA;PLE				
KHM2;CROCCP3;ARHGEF19;RCC2;CLCNKB;ENSG00000238142	-0.22741	-1.9847	0.048779	0.40283
	-0.18835	-1.97784	0.049556	0.404814
	0.204315	1.986333	0.048596	0.402374
	0.261419	1.977205	0.049628	0.404961
	0.150549	1.985853	0.04865	0.402478
	0.196515	1.990589	0.048121	0.401122
	0.25443	1.988294	0.048377	0.401823
MATN2	-0.23753	-1.98488	0.048759	0.402763
	0.122145	1.986956	0.048526	0.402137
SNORA38B	-0.16674	-1.98156	0.049133	0.403857
UQCRH	-0.17529	-1.98999	0.048188	0.401237
	-0.26797	-1.99007	0.048179	0.401237

QPRT;PHKG2;ENSG00000250616	0.146451	1.985593	0.048679	0.402599
	-0.24004	-1.98622	0.048608	0.402395
	0.247191	1.991343	0.048037	0.400834
	-0.34261	-1.99132	0.04804	0.400834
	-0.48587	-1.98251	0.049026	0.403578
	0.251972	1.985723	0.048664	0.402509
	0.285806	1.986911	0.048531	0.40214
	-0.21345	-1.99051	0.04813	0.401144
	0.166658	1.988577	0.048345	0.401772
	-0.17171	-1.98717	0.048502	0.402056
BCAS2	0.223529	1.993826	0.047763	0.400285
	-0.26485	-1.98126	0.049167	0.403888
HYOU1	-0.13067	-1.98199	0.049085	0.403749
	0.193373	1.984903	0.048756	0.402756
TNXB;SLC44A4;C6orf10;NOTCH4;ENSG00000225914;NELFE;VWA7;HNRNPA1P2;LY6G5C	0.205349	1.989624	0.048228	0.401363
	0.202849	1.990131	0.048172	0.401237
	-0.291	-1.99174	0.047993	0.400756
	0.206023	1.989969	0.04819	0.401241
	0.167653	1.988887	0.048311	0.401647
PSMA4	0.18059	1.983116	0.048957	0.403348
	0.240752	1.981769	0.04911	0.403847
MCAM;CBL;TRIM29	-0.31543	-1.99078	0.048099	0.40108
	0.132025	1.9907	0.048109	0.401122
	-0.12811	-1.98815	0.048393	0.401841
	-0.27334	-1.9845	0.048801	0.402927
	0.227523	1.990214	0.048163	0.401221
ARHGAP29;ABCD3;GCLM HIBADH;TAX1BP1	0.256246	1.988636	0.048339	0.401763
	0.295043	1.98628	0.048602	0.402374
	0.136636	1.985177	0.048726	0.402707
	0.22849	1.988882	0.048311	0.401647
SH2D3C;ENG;CERCAM;GARNL3;PKN3;DNM1;COQ4;ODF2 ARHGEF38	-0.18096	-1.99225	0.047937	0.400554
	0.194871	1.992217	0.047941	0.400557
	0.235846	1.989135	0.048283	0.401574
	0.111477	1.986024	0.048631	0.402427
	0.163231	1.991172	0.048056	0.400898
	0.183255	1.982739	0.049	0.403502
	-0.20249	-1.98257	0.049019	0.403573
SHH	-0.16238	-1.98282	0.048991	0.40347
	-0.21719	-1.98709	0.048511	0.402078
	-0.13055	-1.98798	0.048412	0.401858
	0.328329	1.98648	0.048579	0.402298
	0.204581	1.993052	0.047848	0.4004
	0.288616	1.99225	0.047937	0.400554
	0.172622	1.97466	0.049919	0.405805
HN1	0.237388	1.98157	0.049132	0.403857
TSSC2;CARS;IGF2				

	0.16233	1.985409	0.0487	0.402645
	0.228758	1.988158	0.048392	0.401841
	0.156465	1.983108	0.048958	0.403348
	-0.25907	-1.98561	0.048677	0.402588
	-0.192	-1.98835	0.048371	0.401823
	0.271646	1.990119	0.048173	0.401237
	0.248723	1.990301	0.048153	0.401208
	-0.37045	-1.98679	0.048545	0.402182
	-0.14104	-1.98899	0.048299	0.401619
OSTM1	0.161634	1.987264	0.048492	0.402056
RASA3	-0.28882	-1.98915	0.048281	0.401574
	-0.30154	-1.98662	0.048564	0.402232
GRM7;SRGAP3-AS2;LMCD1	0.26452	1.986359	0.048593	0.402363
TENM4	0.368758	1.990022	0.048184	0.401237
	-0.15575	-1.99009	0.048176	0.401237
ENSG00000235096;ENSG00000260855	0.167921	1.98974	0.048216	0.401324
	0.101367	1.990067	0.048179	0.401237
	0.179266	1.975622	0.049809	0.405518
BNIP1;STK10	-0.21292	-1.99047	0.048134	0.401147
	-0.20599	-1.99309	0.047844	0.400393
	0.143877	1.978161	0.049519	0.404712
PRKCA;AXIN2;RGS9	0.274467	1.981973	0.049087	0.403749
ITGAE;P2RX5	0.220441	1.988758	0.048325	0.401703
	-0.15477	-1.98775	0.048438	0.401965
	0.108529	1.985002	0.048745	0.402731
	0.161021	1.984118	0.048845	0.403031
	-0.20596	-1.98953	0.048238	0.401373
	-0.21464	-1.98674	0.04855	0.402182
	0.266919	1.987515	0.048464	0.402018
	0.12148	1.98737	0.04848	0.40203
SLC22A3	-0.22865	-1.98784	0.048427	0.40191
	0.235936	1.985942	0.04864	0.402469
ST6GALNAC1;ICT1;SMIM6;CASKIN2;FDXR;MRPS7;SLC16A5;SLC				
9A3R1;LLGL2;ATP5H	0.185302	1.988283	0.048378	0.401823
HERC2P4	-0.35569	-1.98768	0.048445	0.401969
	-0.14866	-1.98982	0.048207	0.4013
	0.277337	1.98732	0.048485	0.402056
	0.167438	1.980891	0.049209	0.404018
	-0.18099	-1.99071	0.048108	0.401122
	0.187465	1.985087	0.048736	0.402731
	0.206866	1.990496	0.048131	0.401144
RABL2A;POLR1B	0.164143	1.983684	0.048893	0.403132
MAL2;ENSG00000253972;SAMD12	-0.27829	-1.98633	0.048596	0.402374
BAIAP2;CBX2;EIF4A3	-0.31678	-1.98281	0.048992	0.40347
	-0.29133	-1.98646	0.048582	0.402309
RNF157-AS1;CASKIN2;SMIM5;CYGB	0.222116	1.991565	0.048013	0.400757
EXOC3L4;TNFAIP2;C14orf2;INF2	-0.25923	-1.98801	0.048408	0.401854

UBE2H;CEP41;COPG2;SMO;KLHDC10;TPI1P2;TNPO3	0.257536	1.981756	0.049111	0.403849
ZC2HC1C;TTLL5;PTGR2;LTBP2;CCDC176;ACYP1;MLH3;FAM161				
B;ENSG00000259319	-0.29926	-1.98612	0.04862	0.402409
	0.187781	1.987896	0.048421	0.401897
	0.196702	1.986483	0.048579	0.402298
	0.141442	1.987456	0.04847	0.402023
TBX2;TBX4;ENSG00000267280;ENSG00000267137;METTL2A;B				
RIP1	0.200308	1.988065	0.048402	0.401854
NEURL1B	0.232143	1.988541	0.048349	0.401772
	-0.14591	-1.98745	0.048471	0.402023
	0.26102	1.984029	0.048855	0.403031
	-0.18413	-1.98161	0.049127	0.403857
	0.178979	1.984408	0.048812	0.402927
	0.208142	1.991313	0.048041	0.400834
	0.225752	1.984854	0.048762	0.402763
ENSG00000255367	-0.30551	-1.98801	0.048409	0.401854
	0.136655	1.980815	0.049217	0.404041
	0.216221	1.988729	0.048328	0.401703
	0.167024	1.98086	0.049212	0.404032
MARS	0.24512	1.98852	0.048351	0.401772
ADARB2	0.312224	1.990099	0.048176	0.401237
	0.196935	1.986413	0.048587	0.402336
	-0.20519	-1.9846	0.04879	0.402878
	0.206482	1.984998	0.048746	0.402731
TBC1D10C;GSTP1;PTPRCAP;PPP6R3	-0.29658	-1.9848	0.048768	0.402778
	-0.15866	-1.98398	0.04886	0.403037
	-0.34951	-1.99296	0.047859	0.400415
	0.168964	1.987472	0.048468	0.402023
	0.2408	1.987843	0.048427	0.40191
	-0.29152	-1.98448	0.048804	0.402927
	0.274566	1.981903	0.049094	0.403773
ENSG00000267395	-0.26588	-1.98739	0.048478	0.40203
RNF187	0.175442	1.983389	0.048927	0.403244
OSCP1;TRAPPC3;MEAF6;EVA1B;AGO3;MRPS15;YRDC	0.266712	1.981635	0.049125	0.403857
	0.123974	1.988299	0.048376	0.401823
	-0.19978	-1.98867	0.048334	0.401738
	0.173868	1.983179	0.04895	0.40333
	-0.31745	-1.98834	0.048372	0.401823
MYO18B	-0.23714	-1.98462	0.048788	0.402873
	-0.27066	-1.98719	0.0485	0.402056
	0.180025	1.988201	0.048387	0.401841
	-0.21167	-1.98448	0.048803	0.402927
	0.18164	1.98784	0.048427	0.40191
	0.115714	1.989547	0.048237	0.401373
	0.135586	1.985421	0.048698	0.402645
PSMG3;GPR146;CYP2W1	-0.2071	-1.98541	0.048699	0.402645
	-0.16448	-1.98794	0.048416	0.401869

ENSG00000266378;HS3ST3A1	0.347248	1.988388	0.048366	0.401823
	0.21571	1.989545	0.048237	0.401373
	-0.24166	-1.9872	0.048498	0.402056
	0.208877	1.986998	0.048521	0.402129
	0.25485	1.988382	0.048367	0.401823
	-0.21017	-1.98527	0.048715	0.402675
ATP1A2;CADM3;ENSG00000225670;TAGLN2;DARC;COPA;PEA1				
5	-0.22196	-1.98443	0.04881	0.402927
JHDM1D-AS1	0.212074	1.991704	0.047997	0.400756
	0.197502	1.989881	0.0482	0.401284
	0.264462	1.99025	0.048159	0.401217
SMIM15	-0.23702	-1.98854	0.048349	0.401772
	0.217708	1.987141	0.048506	0.402067
	0.122723	1.983919	0.048867	0.40307
NOVA2;EXOC3L2;DACT3;PTGIR;HIF3A;ENSG00000267348;GIPR				
;ERCC1	-0.31723	-1.98406	0.048851	0.403031
PXDN	0.14319	1.983626	0.0489	0.403165
	0.19222	1.983005	0.04897	0.403374
ZNF528	-0.13888	-1.9798	0.049332	0.40434
	0.157623	1.987497	0.048466	0.402018
	-0.24623	-1.98717	0.048502	0.402056
	-0.17295	-1.98659	0.048567	0.40225
TEKT4	0.205772	1.988174	0.04839	0.401841
	0.206379	1.987806	0.048431	0.401926
	-0.17433	-1.98664	0.048562	0.402228
	0.169111	1.987567	0.048458	0.402005
	-0.18377	-1.99044	0.048138	0.401151
ENSG00000250893;TMEM156	-0.16741	-1.98819	0.048389	0.401841
TATDN2P2	0.35742	1.989432	0.04825	0.401403
	-0.23968	-1.988	0.04841	0.401854
TRIM16L;MPRIIP;COPS3	-0.33852	-1.98442	0.048811	0.402927
	-0.13611	-1.98937	0.048257	0.401432
	-0.19422	-1.98601	0.048632	0.402427
	-0.17568	-1.98543	0.048697	0.402645
	-0.22742	-1.98675	0.048549	0.402182
NOVA2;PTGIR;EXOC3L2;HIF3A;DACT3	-0.20096	-1.98737	0.04848	0.40203
ACSL1;WWC2;SLC25A4	0.127491	1.977864	0.049553	0.404805
ENSG00000262529	-0.1537	-1.98445	0.048807	0.402927
	0.168431	1.987225	0.048496	0.402056
	-0.21753	-1.98654	0.048573	0.402273
AIF1	0.235249	1.988419	0.048363	0.401823
	-0.1994	-1.9845	0.048802	0.402927
	-0.19507	-1.98678	0.048546	0.402182
PTPRN2	0.214436	1.988676	0.048334	0.401738
SLFN12L;ENSG00000267074;ENSG00000255987;ENSG0000026				
7554;CCL5;ENSG00000267369	0.268213	1.985218	0.048721	0.402703
	0.172351	1.983393	0.048926	0.403244

TXK	-0.1506	-1.98616	0.048616	0.402409
	0.29345	1.988387	0.048366	0.401823
	-0.11669	-1.97985	0.049327	0.404321
	0.227845	1.98587	0.048648	0.402478
	0.228788	1.986853	0.048538	0.40217
ENSG00000261183;SPINT1;DLL4;RHOV;MGA	-0.18116	-1.98196	0.049088	0.403749
	0.19385	1.98751	0.048464	0.402018
	-0.3239	-1.98582	0.048654	0.402478
STARD13;STARD13-AS;STARD13-IT1 NHSL1;HEBP2	-0.29919	-1.98569	0.048668	0.402532
	-0.28127	-1.98765	0.048449	0.401974
	-0.107	-1.98352	0.048912	0.4032
SPESP1;NOX5	0.313599	1.988086	0.0484	0.401854
	-0.30529	-1.98617	0.048614	0.402409
	0.252144	1.987962	0.048414	0.401868
	0.339338	1.99065	0.048114	0.401122
ZDHC23;GRAMD1C;ZBTB20;KIAA1407	-0.28055	-1.98034	0.049271	0.40412
	-0.12509	-1.98393	0.048866	0.40307
	-0.14935	-1.98874	0.048327	0.401703
DLEU2 TRIM29;ENSG00000255248	-0.35839	-1.98803	0.048406	0.401854
	-0.22484	-1.98241	0.049038	0.403578
	0.141124	1.988346	0.048371	0.401823
FTSJ2 SART3	0.143733	1.988263	0.04838	0.401823
	0.202554	1.980688	0.049232	0.404075
	-0.20541	-1.98663	0.048563	0.402228
	0.253718	1.984321	0.048822	0.402938
	-0.35376	-1.98717	0.048502	0.402056
ZC3H12D SRD5A3;KDR;EXOC1 ENSG00000253816 REC8	0.26713	1.984043	0.048853	0.403031
	0.208175	1.985917	0.048643	0.402477
	-0.21061	-1.98261	0.049014	0.403546
	0.285919	1.986296	0.0486	0.402374
	-0.26204	-1.98832	0.048373	0.401823
MRPS16;ANAPC16;CDH23;SPOCK2;MCU	0.234634	1.990658	0.048113	0.401122
	-0.18385	-1.97986	0.049326	0.404321
	-0.17846	-1.98612	0.048619	0.402409
	-0.26114	-1.98187	0.049099	0.403795
	-0.28002	-1.98502	0.048743	0.402731
FEZ1;KIRREL3;ST3GAL4	-0.2512	-1.98729	0.048489	0.402056
	-0.10704	-1.98136	0.049156	0.403888
	0.463892	1.976448	0.049714	0.40522
ARL16	0.227111	1.98445	0.048807	0.402927
	0.14032	1.991192	0.048054	0.400898
	-0.24262	-1.97815	0.049521	0.404712
	-0.23361	-1.98637	0.048592	0.402362
	-0.38574	-1.97989	0.049323	0.404316
PPP1R10 ECHS1	0.222259	1.989057	0.048292	0.401608
	0.664295	1.983315	0.048935	0.403266
	0.20781	1.981696	0.049118	0.403849

TUBGCP2;KNDC1;LRRC27;INPP5A;TTC40;PWWP2B;ECHS1	-0.31161	-1.98608	0.048624	0.402419
	-0.24709	-1.98558	0.048681	0.402604
MAD1L1;FAM20C;HEATR2;SUN1;ENSG00000249852;PSMG3- AS1;ENSG00000240859	-0.27021	-1.97699	0.049652	0.405054
CFB	-0.16496	-1.98487	0.04876	0.402763
ARHGEF10	0.192394	1.986302	0.048599	0.402374
	0.131531	1.977551	0.049588	0.40484
	0.114816	1.979943	0.049316	0.404279
	0.21762	1.977746	0.049566	0.40484
	-0.21266	-1.98725	0.048493	0.402056
LEPRE1;RIMKLA;CCDC30	-0.32929	-1.98133	0.049159	0.403888
	-0.13827	-1.98711	0.048509	0.402078
	0.20608	1.989813	0.048207	0.4013
	0.223747	1.983532	0.048911	0.403196
	-0.18558	-1.98828	0.048378	0.401823
MCM2	-0.19998	-1.97682	0.049672	0.405089
	-0.17784	-1.98136	0.049156	0.403888
FANCD2	0.156862	1.984209	0.048834	0.402995
	-0.15024	-1.9821	0.049072	0.403715
	0.213397	1.982442	0.049033	0.403578
LPXN;MPEG1;UBE2L6	-0.29946	-1.98735	0.048483	0.40204
	0.204464	1.987424	0.048474	0.402023
	0.173136	1.981478	0.049142	0.403888
	-0.21193	-1.98288	0.048984	0.403469
	-0.17918	-1.99048	0.048133	0.401147
	-0.20061	-1.98755	0.048459	0.402005
HSPA7;FCGR2C	0.136922	1.985336	0.048708	0.402666
	0.173241	1.980352	0.04927	0.40412
	-0.13966	-1.98173	0.049114	0.403849
	0.230354	1.984269	0.048828	0.402963
	-0.27655	-1.98423	0.048832	0.402984
DLGAP4	-0.27044	-1.98185	0.049101	0.403798
	0.177172	1.989804	0.048208	0.4013
	0.183669	1.983293	0.048938	0.403279
	-0.15345	-1.9828	0.048994	0.40347
	-0.17132	-1.98478	0.048771	0.402789
	0.196739	1.986739	0.04855	0.402182
	0.184893	1.983222	0.048946	0.403313
	0.236684	1.981196	0.049174	0.403888
	-0.20638	-1.98756	0.048459	0.402005
	0.158517	1.982788	0.048995	0.40347
	-0.22855	-1.98882	0.048318	0.401691
	-0.35233	-1.98082	0.049217	0.404041
ZCRB1	-0.32743	-1.98602	0.048631	0.402427
	0.238757	1.975404	0.049834	0.405584
FAF1	-0.34977	-1.98996	0.048192	0.401246

SNRPC	0.126137	1.985143	0.048729	0.402712
	-0.20985	-1.9882	0.048387	0.401841
	0.179572	1.979541	0.049362	0.4044
	-0.16598	-1.98695	0.048527	0.402138
	-0.15562	-1.98501	0.048745	0.402731
	-0.13285	-1.97763	0.049579	0.40484
	-0.24722	-1.98951	0.048242	0.401374
	0.186059	1.979694	0.049345	0.404363
PPP1R18;HLA-F;HLA-E;HCP5;DDR1;GABBR1;LTB;HCG4;HLA-B	-0.2932	-1.98486	0.048761	0.402763
	-0.16727	-1.98555	0.048684	0.402611
	0.151952	1.98423	0.048832	0.402984
	-0.21425	-1.9782	0.049514	0.404712
HIST1H2AL;ENSG00000197062;HIST1H2AJ;HIST1H2BM;HIST1H2AI;HIST1H1B;HIST1H3J;HIST1H3I;ZSCAN12P1;HIST1H2BN;HIST1H4J;HIST1H2BO;HIST1H2BL	0.312849	1.981388	0.049153	0.403888
	0.203342	1.982499	0.049027	0.403578
	-0.35831	-1.98284	0.048989	0.40347
	0.208011	1.987082	0.048512	0.402078
	-0.18973	-1.98686	0.048537	0.40217
	-0.17588	-1.98358	0.048906	0.40317
	-0.21049	-1.98889	0.048311	0.401647
	0.280041	1.987998	0.04841	0.401854
ADAM8	0.227833	1.983707	0.048891	0.403126
	0.190485	1.987687	0.048444	0.401969
	0.148908	1.978873	0.049438	0.404652
OSR1	-0.30266	-1.98602	0.048631	0.402427
	-0.11971	-1.98692	0.048531	0.40214
INPP5K	0.162074	1.985199	0.048723	0.402707
	0.221932	1.978303	0.049503	0.404712
	0.219689	1.987695	0.048444	0.401969
	0.20383	1.981633	0.049125	0.403857
SUN1;PSMG3;IQCE	0.222053	1.984979	0.048748	0.402731
	-0.2804	-1.98051	0.049253	0.404119
	-0.23169	-1.98013	0.049295	0.404188
	-0.34868	-1.98654	0.048573	0.402273
	-0.1423	-1.97965	0.049349	0.404388
	0.214334	1.987178	0.048501	0.402056
	0.228763	1.981182	0.049176	0.403888
	-0.15697	-1.98435	0.048819	0.402934
HCP5;PPP1R18;GPSM3;HLA-B;HLA-C;LST1;LTB	0.188557	1.981005	0.049196	0.403936
	0.112347	1.980655	0.049236	0.40409
	0.25097	1.987994	0.04841	0.401854
	-0.20652	-1.98648	0.048579	0.402298
CEP41	0.156851	1.985893	0.048645	0.402478
	0.374053	1.986107	0.048621	0.402409
CHMP5;ANXA2P2	0.252009	1.987005	0.048521	0.402129
CXCL10;CXCL9				



	0.195403	1.985856	0.048649	0.402478
	0.11386	1.985953	0.048639	0.402467
PSMB3	0.114208	1.984337	0.04882	0.402934
PWAR6;SNHG14;ENSG00000257647	-0.2792	-1.98269	0.049005	0.403532
RPL32P1;BAK1	-0.13619	-1.98499	0.048747	0.402731
EXOC3L4;TNFAIP2;CKB	-0.24719	-1.98507	0.048738	0.402731
	-0.17392	-1.98853	0.048351	0.401772
	-0.27137	-1.97997	0.049313	0.404266
ENSG00000224745	0.249159	1.982393	0.049039	0.403578
	0.180828	1.978736	0.049453	0.404681
	0.162955	1.981708	0.049116	0.403849
	0.222497	1.986518	0.048575	0.402286
	0.180258	1.986268	0.048603	0.402374
	0.180023	1.985747	0.048662	0.402502
	-0.23656	-1.98853	0.04835	0.401772
	-0.24091	-1.98196	0.049088	0.403749
ARV1	-0.23468	-1.9776	0.049583	0.40484
	0.120881	1.982809	0.048992	0.40347
	-0.23205	-1.98263	0.049013	0.403546
	0.148	1.98896	0.048302	0.401619
WDR45B;PCYT2;LINC00482;MAFG-AS1	-0.30423	-1.98801	0.048408	0.401854
RHPN1-AS1;FAM83H-AS1;ENSG00000254973	0.196423	1.98211	0.049071	0.403715
	0.462824	1.979709	0.049343	0.404363
	-0.20869	-1.98931	0.048264	0.401471
	0.149551	1.98319	0.048949	0.403327
	-0.22884	-1.98873	0.048328	0.401703
HEY2	-0.2426	-1.98252	0.049025	0.403578
LSM2;VWA7;TCF19;PPT2;LY6G5C;C6orf48	0.260204	1.978434	0.049488	0.4047
JAK3;FAM129C	-0.21018	-1.98544	0.048696	0.402645
	-0.2453	-1.98773	0.048439	0.401965
	-0.48803	-1.98234	0.049045	0.403578
	-0.27266	-1.98917	0.048279	0.401569
	0.220376	1.985789	0.048657	0.402482
	0.184702	1.983562	0.048907	0.403176
	0.296196	1.985212	0.048722	0.402703
NUGGC	0.288655	1.988132	0.048395	0.401842
	-0.23188	-1.9804	0.049265	0.40412
	-0.22684	-1.98406	0.048851	0.403031
	-0.17765	-1.98231	0.049049	0.403588
MIR34C;ENSG00000254980;C11orf88;BTG4;ENSG0000025542				
8;POU2AF1;C11orf1;ENSG00000255208;PIH1D2;BCO2;ENSG00				
000255093;DLAT;COLCA2;ENSG00000214264;PTS	-0.25454	-1.98113	0.049182	0.403897
	-0.1473	-1.98267	0.049008	0.403546
	0.202364	1.985559	0.048683	0.402607
	-0.21354	-1.98144	0.049146	0.403888
	0.194977	1.982105	0.049072	0.403715

	0.159398	1.986207	0.04861	0.402398
	0.307436	1.985275	0.048715	0.402675
	0.123732	1.983713	0.04889	0.403126
	0.102893	1.988032	0.048406	0.401854
	0.109594	1.98687	0.048536	0.40217
	-0.24467	-1.98076	0.049224	0.404041
	0.200977	1.983082	0.048961	0.403361
GART	-0.15527	-1.98674	0.04855	0.402182
ENSG00000188242;SDHA	-0.35396	-1.98696	0.048526	0.402137
	0.242084	1.984088	0.048848	0.403031
	0.256426	1.987189	0.0485	0.402056
	-0.16754	-1.98579	0.048657	0.402482
VILL;ITGA9;ACVR2B;XYLB;ENSG00000235257	-0.31381	-1.9847	0.048779	0.40283
	-0.23944	-1.98515	0.048729	0.402712
B4GALT3	0.168712	1.989388	0.048255	0.40142
	0.415262	1.988065	0.048402	0.401854
	-0.20217	-1.98024	0.049283	0.404145
	0.228612	1.98386	0.048874	0.40307
	0.167362	1.984968	0.048749	0.402731
	-0.20746	-1.9788	0.049446	0.404652
	-0.28228	-1.98781	0.04843	0.401926
	0.181608	1.983995	0.048858	0.403031
	-0.23341	-1.98788	0.048423	0.4019
	-0.13696	-1.9813	0.049162	0.403888
COLGALT1	0.126164	1.981932	0.049091	0.403765
PDCD1	-0.27304	-1.98501	0.048744	0.402731
	0.272558	1.978057	0.049531	0.40475
	0.448691	1.983853	0.048874	0.40307
	0.178908	1.978648	0.049463	0.404687
FLI1;ARHGAP32;ETS1	-0.24272	-1.98405	0.048853	0.403031
	0.341487	1.988891	0.04831	0.401647
ENSG00000267563;FUT3	0.190587	1.988556	0.048348	0.401772
	-0.13618	-1.98039	0.049266	0.40412
PZP;FOXJ2;A2M	0.198301	1.984061	0.048851	0.403031
RASSF1;P4HTM;PRKAR2A-AS1;DALRD3;UBA7	-0.37565	-1.98679	0.048545	0.402182
	-0.20019	-1.98576	0.04866	0.4025
	-0.18137	-1.97841	0.04949	0.4047
	0.145792	1.985267	0.048715	0.402675
	-0.34441	-1.98563	0.048675	0.402584
	0.205098	1.985164	0.048727	0.402708
AMICA1;IL10RA;H2AFX;TMPRSS4;CD3G;PVRL1;MPZL2;CD3D;C D3E	-0.20906	-1.97868	0.04946	0.404687
PTAFR;TMEM200B;MED18;EPB41;ATPIF1;RCC1;SNHG3;GMEB1 ;SNORA73B	-0.21287	-1.97705	0.049645	0.405034
	-0.30777	-1.98742	0.048474	0.402023
	0.248358	1.988619	0.04834	0.401763
	0.301368	1.987281	0.04849	0.402056

	-0.27083	-1.98965	0.048226	0.40136
	-0.22647	-1.98673	0.048552	0.402182
	-0.1608	-1.9862	0.048611	0.402398
RPTOR;ENSG00000268852	-0.22706	-1.98233	0.049047	0.403578
	0.252287	1.985491	0.04869	0.402642
	0.21	1.984009	0.048857	0.403031
DENND2C;BCAS2;VANGL1;CASQ2;NRAS	-0.27186	-1.98076	0.049223	0.404041
SHH	0.215566	1.985287	0.048713	0.402675
THBS2;SMOC2	-0.19243	-1.98406	0.048851	0.403031
	0.212208	1.986126	0.048619	0.402409
PSMC4;TIMM50;EIF3K	-0.1842	-1.98192	0.049093	0.40377
	-0.11496	-1.97996	0.049314	0.404267
	0.246698	1.977359	0.04961	0.404919
PTPRJ	-0.11925	-1.97958	0.049358	0.4044
	0.234749	1.980378	0.049267	0.40412
	0.279926	1.98361	0.048902	0.403165
	0.210839	1.987067	0.048514	0.40208
	0.174434	1.979011	0.049422	0.404613
	0.156063	1.985335	0.048708	0.402666
	-0.13045	-1.98156	0.049133	0.403857
	-0.2277	-1.9836	0.048903	0.403165
	-0.22167	-1.979	0.049424	0.404613
	0.360352	1.980371	0.049268	0.40412
	0.148941	1.981364	0.049155	0.403888
SPOCK2;DNAJC9-AS1	-0.29425	-1.98696	0.048525	0.402137
	0.163211	1.984459	0.048806	0.402927
LST1;TAP1;PSMB8	0.153202	1.984811	0.048767	0.402778
EMR2;CACNA1A;IL27RA;TECR;ENSG00000141854	0.313495	1.983908	0.048868	0.40307
FLI1;ARHGAP32;ETS1;SENCR	-0.37964	-1.9832	0.048948	0.403327
	0.290479	1.983711	0.04889	0.403126
MAD1L1;IQCE;GNA12;TTYH3;CHST12	-0.26591	-1.98401	0.048857	0.403031
SKI;SAMD11;ANKRD65;ENSG00000272106;TTLL10;TTLL10-AS1;SSU72;ENSG00000217801;C1orf222;MXRA8;RNF223;CALML6;FAM41C	-0.18632	-1.98038	0.049267	0.40412
	-0.13462	-1.98626	0.048604	0.402374
	0.253611	1.979498	0.049367	0.4044
	0.129964	1.974203	0.049971	0.405941
	0.1782	1.982249	0.049055	0.403619
	0.205207	1.982162	0.049065	0.403691
NXPH3;COL1A1;ABI3;PPP1R9B;ENSG00000248954;SGCA;LRRC59;FAM117A;SAMD14;NGFR	0.20247	1.97925	0.049395	0.404494
TPPP	-0.18158	-1.98509	0.048735	0.402731
	0.123651	1.985391	0.048702	0.402653
	0.369436	1.985021	0.048743	0.402731
	0.183365	1.979879	0.049324	0.404316
	0.17401	1.981151	0.049179	0.403895

KRT23;KRT13;THRA;TOP2A;KRT10;KRT20;MIEN1;NR1D1;IGFBP4;RAPGEFL1	-0.33733	-1.98359	0.048904	0.403165
	-0.1632	-1.98549	0.048691	0.402642
	0.27619	1.98019	0.049288	0.404158
	0.22906	1.981102	0.049185	0.403903
	0.271974	1.98385	0.048875	0.40307
PXMP4;KIF3B	0.171121	1.984645	0.048785	0.402855
	0.146037	1.983017	0.048969	0.403374
	-0.22616	-1.98407	0.04885	0.403031
	0.100884	1.981453	0.049145	0.403888
	-0.24989	-1.98306	0.048963	0.403361
	0.166769	1.98202	0.049081	0.403738
	-0.17676	-1.9819	0.049095	0.403773
PCYT2;MAFG-AS1;LRRC45;BAIAP2-AS1;ENSG00000265458;BAIAP2	-0.24816	-1.98759	0.048455	0.401999
	-0.17665	-1.98344	0.048922	0.403224
	0.18648	1.98121	0.049173	0.403888
	-0.16908	-1.98096	0.049201	0.403961
ZNF732	0.955634	1.990281	0.048155	0.401211
	0.170419	1.985135	0.04873	0.402712
	0.174145	1.983246	0.048943	0.403306
HES2;CAMTA1;CHD5	0.25055	1.987499	0.048466	0.402018
	-0.29003	-1.98499	0.048747	0.402731
NKD2	0.363347	1.980692	0.049231	0.404075
	-0.22529	-1.98035	0.04927	0.40412
	-0.36475	-1.9873	0.048488	0.402056
	0.253273	1.981083	0.049187	0.40391
	-0.12257	-1.9786	0.049469	0.40469
LMO3	0.210568	1.977946	0.049543	0.404781
	0.247163	1.981807	0.049105	0.40382
SERPINF1;SRR	-0.36162	-1.97917	0.049404	0.404538
	-0.35849	-1.989	0.048298	0.401619
MARCH6;ENSG00000249396	0.412504	1.982426	0.049035	0.403578
	-0.20419	-1.98197	0.049086	0.403749
COA6	-0.22696	-1.98728	0.04849	0.402056
	-0.18513	-1.98466	0.048784	0.402852
	-0.18934	-1.98446	0.048806	0.402927
	0.128388	1.976364	0.049724	0.405225
DNAJB1;RASAL3;SYDE1;TECR;BRD4;CACNA1A;ZNF333;ENSG0000141854;WIZ	-0.27711	-1.97426	0.049965	0.405923
	-0.16869	-1.98013	0.049295	0.404188
	-0.27496	-1.98084	0.049215	0.404034
	0.20999	1.984165	0.048839	0.403025
CALHM2;USMG5;SLK;SFR1	-0.21361	-1.98137	0.049154	0.403888
	0.191849	1.977771	0.049563	0.40484
	-0.12816	-1.98311	0.048958	0.403348
	-0.23249	-1.98077	0.049223	0.404041

PROZ	0.188765	1.982734	0.049001	0.403502
	0.178636	1.983336	0.048933	0.403261
	-0.14928	-1.98627	0.048603	0.402374
WDR61	-0.2562	-1.97765	0.049577	0.40484
	-0.25599	-1.98263	0.049012	0.403546
	-0.24245	-1.98491	0.048756	0.402756
ZBTB7A;NFIC;ENSG00000167674;PIAS4;TLE2	0.280973	1.984391	0.048814	0.402927
	0.137243	1.98337	0.048929	0.403245
	-0.29758	-1.98064	0.049237	0.404092
PIH1D1	-0.25624	-1.97705	0.049645	0.405034
	0.190282	1.981828	0.049103	0.403808
	-0.13062	-1.98452	0.0488	0.402927
TXN	0.159003	1.979614	0.049354	0.404394
	0.201646	1.980501	0.049253	0.404119
	-0.17351	-1.9837	0.048892	0.403126
VWF;ANO2;AKAP3;NTF3;SCNN1A;CD27;RAD51AP1;KCNA5;CD9 ENSG00000248222;TENM2	0.15661	1.983879	0.048871	0.40307
	0.338394	1.983146	0.048954	0.403348
	-0.32092	-1.98301	0.048969	0.403374
HMBOX1;FZD3;TMEM66;DUSP4;KIF13B	0.303639	1.983324	0.048934	0.403265
	0.284635	1.978867	0.049439	0.404652
	-0.23409	-1.98132	0.04916	0.403888
GNG7;CFD FN3K	0.296655	1.976797	0.049674	0.405093
	0.133442	1.981446	0.049146	0.403888
	-0.23152	-1.98453	0.048799	0.402927
SH2D3C;ENG;CERCAM;RALGPS1;DNM1;PKN3 EGFR	-0.39562	-1.97399	0.049995	0.405983
	0.210231	1.984452	0.048807	0.402927
	-0.20839	-1.98469	0.048781	0.402834
SLC22A17;CDH24;RBM23;PSMB5 PTP4A3;ENSG00000271959;ENSG00000261655;SLC45A4 ENSG00000249643;LINC01170;ENSG00000250206	-0.26949	-1.98381	0.048879	0.40307
	-0.29479	-1.98678	0.048545	0.402182
	0.172924	1.979455	0.049372	0.4044
PTPRE	-0.35237	-1.97898	0.049426	0.404613
	-0.2956	-1.97587	0.04978	0.405381
	-0.11645	-1.98003	0.049306	0.404229
	-0.26506	-1.98236	0.049043	0.403578
	-0.1887	-1.98581	0.048654	0.402478
	0.119804	1.982785	0.048995	0.40347
	0.202159	1.985234	0.048719	0.402698
	0.207511	1.978225	0.049511	0.404712
	-0.20131	-1.97746	0.049599	0.4049
	0.206766	1.98036	0.049269	0.40412
	0.191547	1.97815	0.04952	0.404712
	0.248618	1.983045	0.048965	0.403368
	0.278152	1.985379	0.048703	0.402655
	0.241374	1.982326	0.049047	0.403578
	-0.19115	-1.98389	0.04887	0.40307
	-0.2096	-1.986	0.048633	0.402427

TIE1;PTPRF;ERI3	-0.20052	-1.97665	0.049692	0.405146
ENSG00000264198;IKZF3;PPP1R1B	-0.21548	-1.98344	0.048921	0.403224
	0.26086	1.978906	0.049434	0.40464
TSPAN4;IFITM1	-0.26229	-1.98101	0.049196	0.403936
KCNMA1;ZMIZ1;DLG5-AS1	0.229701	1.974076	0.049986	0.405981
RN7SL674P	0.302344	1.984737	0.048775	0.402817
ABHD14B;PBRM1;GLT8D1;PPM1M	0.165438	1.978246	0.049509	0.404712
CD22	-0.22237	-1.98246	0.049031	0.403578
	0.215997	1.976258	0.049736	0.405283
	0.1569	1.978585	0.049471	0.40469
	0.136858	1.98405	0.048852	0.403031
	0.102321	1.982641	0.049011	0.403546
	0.227709	1.982475	0.04903	0.403578
	0.272902	1.975762	0.049793	0.405439
	0.228458	1.980429	0.049261	0.40412
RASSF1	-0.2443	-1.98696	0.048526	0.402137
DIAPH3	-0.24215	-1.98073	0.049228	0.404055
	-0.15153	-1.98019	0.049288	0.404158
	0.095675	1.982027	0.04908	0.403738
	0.259898	1.983829	0.048877	0.40307
	-0.21162	-1.98371	0.04889	0.403126
	0.228993	1.978832	0.049443	0.404652
CACNA1C;CACNA1C-AS4;ERC1;FKBP4	-0.24621	-1.98168	0.04912	0.403853
	0.194038	1.984398	0.048813	0.402927
HPCAL1	0.111921	1.985174	0.048726	0.402707
	0.245275	1.984295	0.048825	0.402947
	-0.23354	-1.98541	0.048699	0.402645
	-0.14747	-1.98126	0.049167	0.403888
	-0.12341	-1.97697	0.049655	0.405057
	0.1832	1.983454	0.048919	0.403222
	0.18736	1.981339	0.049158	0.403888
	0.215147	1.987582	0.048456	0.402001
	0.383594	1.981569	0.049132	0.403857
	-0.15166	-1.98085	0.049213	0.404032
	-0.23383	-1.98311	0.048958	0.403348
ICAM2;SMURF2;GNA13;LRRC37A3;CCDC47;ENSG00000264954	-0.17033	-1.97961	0.049354	0.404394
BCL2L15;OLFML3;DENND2C	0.216862	1.985018	0.048744	0.402731
	0.22499	1.978705	0.049457	0.404686
CDC14B;PTCH1	0.261678	1.982296	0.04905	0.40359
	-0.18532	-1.98236	0.049043	0.403578
	-0.43118	-1.98412	0.048844	0.403031
	0.181079	1.980543	0.049248	0.404117
	-0.16607	-1.98437	0.048816	0.402934
SH3RF3-AS1;GCC2;SULT1C4;CCDC138	0.255042	1.982346	0.049044	0.403578
	0.205298	1.981046	0.049191	0.403929
REPIN1;GIMAP8;ACTR3C;ENSG00000240449	-0.26552	-1.97976	0.049337	0.404344

AGPAT3;TRPM2	0.198629	1.985522	0.048687	0.402625
	0.189935	1.976004	0.049765	0.405352
	0.307887	1.978953	0.049429	0.404613
	0.272569	1.979419	0.049376	0.404407
	0.234329	1.981732	0.049114	0.403849
ACVR2B;TTC21A	-0.12928	-1.98119	0.049175	0.403888
	0.271438	1.98303	0.048967	0.403374
	0.28815	1.983618	0.048901	0.403165
	-0.18541	-1.97904	0.049419	0.404613
	0.128697	1.980052	0.049304	0.404224
FMN1	-0.19715	-1.98233	0.049046	0.403578
	0.302485	1.98028	0.049278	0.404141
	0.127775	1.977306	0.049616	0.404919
	0.191607	1.978968	0.049427	0.404613
	-0.20463	-1.98404	0.048853	0.403031
PTPRS	-0.14078	-1.97925	0.049395	0.404494
	-0.12981	-1.98383	0.048878	0.40307
	0.256432	1.981227	0.049171	0.403888
	-0.15413	-1.97445	0.049943	0.405849
	-0.24893	-1.97452	0.049934	0.405835
SNTG2;ACP1	0.181005	1.978783	0.049448	0.404661
ENSG00000199899;ENSG00000257877	0.165805	1.982391	0.049039	0.403578
	0.196018	1.983607	0.048902	0.403165
	0.257278	1.98557	0.048681	0.402604
	0.150572	1.98044	0.04926	0.40412
	0.284091	1.981623	0.049126	0.403857
SHISA6	0.261004	1.9862	0.048611	0.402398
	-0.2202	-1.97421	0.049971	0.405941
	-0.16707	-1.9811	0.049185	0.403903
	0.22276	1.984795	0.048768	0.402778
	-0.27516	-1.98114	0.049181	0.403897
ENSG00000234450	-0.32134	-1.98002	0.049308	0.404232
	-0.19418	-1.9794	0.049378	0.404414
	-0.25572	-1.9828	0.048993	0.40347
	0.301657	1.976023	0.049763	0.405352
	0.143506	1.974791	0.049904	0.405756
UTRN;FBXO30;EPM2A	-0.34573	-1.97504	0.049875	0.405646
	-0.25294	-1.9797	0.049344	0.404363
	0.247667	1.981389	0.049153	0.403888
	0.286599	1.982852	0.048987	0.40347
	0.267758	1.976395	0.04972	0.40522
CYGB	0.142063	1.981401	0.049151	0.403888
	0.161452	1.982651	0.04901	0.403546
	-0.16986	-1.9761	0.049754	0.405337
	-0.19188	-1.97822	0.049512	0.404712
	0.1451	1.978232	0.049511	0.404712
PIK3R6;ACAP1	-0.20672	-1.98505	0.04874	0.402731

MAP1LC3B2	0.143113	1.984334	0.04882	0.402934
	0.197118	1.981562	0.049133	0.403857
	0.174852	1.975179	0.049859	0.405643
NPR1	0.171957	1.980513	0.049252	0.404119
	-0.29362	-1.98349	0.048915	0.40321
	0.22313	1.983818	0.048878	0.40307
MRPL23;TSPAN4;LRRC56;DEAF1;MUC5AC;MOB2;TALDO1	-0.17093	-1.97757	0.049587	0.40484
	0.196814	1.979476	0.049369	0.4044
	0.17528	1.979272	0.049392	0.404494
	0.286423	1.977574	0.049586	0.40484
	0.268789	1.984537	0.048798	0.402927
	0.237554	1.977958	0.049542	0.404778
CARD11;TTYH3;IQCE	-0.31952	-1.98496	0.04875	0.402731
	-0.3123	-1.98262	0.049014	0.403546
	-0.18336	-1.98364	0.048899	0.403165
FNBP1	-0.23294	-1.9835	0.048915	0.40321
	0.172367	1.982659	0.049009	0.403546
	-0.14795	-1.9803	0.049275	0.404138
	-0.13123	-1.97703	0.049648	0.405046
	-0.15907	-1.9805	0.049253	0.404119
	0.134654	1.975963	0.04977	0.405352
ENSG00000240050	0.152333	1.978707	0.049457	0.404686
	0.112087	1.975006	0.049879	0.405663
S100A14;ILF2;JTB;S100A2;S100A16;RAB13;UBE2Q1;S100A6 VAMP8;TCF7L1	-0.24906	-1.98588	0.048647	0.402478
	-0.37429	-1.98381	0.048879	0.40307
	0.151672	1.978396	0.049492	0.404703
	-0.15385	-1.98244	0.049034	0.403578
	0.163314	1.976239	0.049738	0.405283
	0.130553	1.980402	0.049264	0.40412
CCDC141 IQCE;PSMG3-AS1;C7orf50	0.166932	1.977557	0.049588	0.40484
	0.247592	1.979904	0.049321	0.404307
	-0.26786	-1.98075	0.049225	0.404045
	-0.18754	-1.97663	0.049693	0.405146
IARS;OGN;SPTLC1;ROR2;ECM2	-0.33888	-1.98229	0.049051	0.40359
	0.163795	1.978475	0.049483	0.404697
	0.200329	1.977594	0.049583	0.40484
KEL;ZYX	-0.14916	-1.98127	0.049166	0.403888
	-0.27056	-1.97762	0.049581	0.40484
PRRG4;PIGCP1;TCP11L1 FAU	-0.19189	-1.98255	0.049022	0.403578
	0.175236	1.980771	0.049222	0.404041
	0.196629	1.976171	0.049746	0.405304
	0.263475	1.977405	0.049605	0.404916
	-0.26246	-1.98064	0.049238	0.404092
	0.276925	1.98236	0.049043	0.403578
	-0.25854	-1.98431	0.048823	0.402944



	0.157696	1.981449	0.049146	0.403888
	0.239582	1.981253	0.049168	0.403888
	-0.20449	-1.98306	0.048964	0.403361
RAB37;SDK2	-0.27776	-1.97902	0.049422	0.404613
	-0.25664	-1.97829	0.049505	0.404712
	0.388042	1.984857	0.048762	0.402763
HAPLN3;POLG	0.338716	1.979539	0.049362	0.4044
SYCP2L;NEDD9;TMEM14B	0.186596	1.975886	0.049778	0.405379
	-0.33009	-1.97865	0.049464	0.404687
	-0.30066	-1.98207	0.049076	0.403715
	0.153609	1.975532	0.049819	0.405552
VN1R108P	-0.12446	-1.97946	0.049372	0.4044
	-0.18688	-1.97513	0.049865	0.405643
HMGN2;TRNP1;PIGV;PDIK1L;TMEM50A;SYF2	0.165255	1.978434	0.049488	0.4047
	-0.28831	-1.97947	0.04937	0.4044
	-0.18448	-1.98058	0.049245	0.404117
	-0.20741	-1.98298	0.048973	0.40339
LAMC2;RNASEL;COLGALT2;GLUL;DHX9	-0.19522	-1.9825	0.049027	0.403578
	-0.18908	-1.98123	0.049171	0.403888
ZNFX1	0.250985	1.978661	0.049462	0.404687
	-0.10198	-1.9795	0.049367	0.4044
	-0.25293	-1.98155	0.049134	0.403857
	0.285741	1.980238	0.049283	0.404145
	0.229915	1.979848	0.049327	0.404321
	0.177764	1.977348	0.049611	0.404919
	0.141012	1.983828	0.048877	0.40307
	-0.18129	-1.97946	0.049371	0.4044
GCLC;TRAM2;TMEM14A;ENSG00000236740;LRRC1;ELOVL5	-0.39095	-1.98006	0.049303	0.404224
ENSG00000196960	-0.22755	-1.97805	0.049531	0.40475
	-0.27193	-1.98338	0.048928	0.403245
RPP25	-0.17538	-1.98323	0.048944	0.40331
	0.245356	1.982458	0.049032	0.403578
	-0.34246	-1.97757	0.049586	0.40484
	-0.1974	-1.97766	0.049576	0.40484
	0.191554	1.979578	0.049358	0.4044
	-0.11576	-1.9813	0.049163	0.403888
	0.100304	1.97524	0.049852	0.405643
	0.26988	1.982366	0.049042	0.403578
	0.167287	1.981214	0.049172	0.403888
	-0.19707	-1.97804	0.049532	0.404752
	0.107111	1.979611	0.049354	0.404394
	-0.14601	-1.97527	0.049849	0.405643
	-0.16823	-1.97683	0.049671	0.405087
	0.152385	1.979034	0.049419	0.404613
	-0.19137	-1.97871	0.049456	0.404686
HYI	0.245882	1.974298	0.04996	0.405923

SLC5A4;CPSF1P1;TIMP3	-0.13795	-1.97642	0.049717	0.40522
	-0.17684	-1.98159	0.04913	0.403857
	-0.35484	-1.9783	0.049503	0.404712
	0.21816	1.977394	0.049606	0.404916
	0.172929	1.981005	0.049196	0.403936
	0.174859	1.975776	0.049791	0.405433
WWC1 TESC	0.206782	1.98204	0.049079	0.403735
	-0.23994	-1.97539	0.049835	0.405584
	0.23276	1.978808	0.049445	0.404652
	-0.34607	-1.97713	0.049636	0.404995
	0.125326	1.979246	0.049395	0.404494
	0.190663	1.976236	0.049738	0.405283
NXPH3;COL1A1;CACNA1G;SGCA;ANKRD40;MYCBPAP;NGFR	0.390596	1.97947	0.04937	0.4044
	-0.21356	-1.97831	0.049502	0.404712
	-0.23266	-1.97604	0.049761	0.405352
HEBP2;PERP;NHSL1;CCDC28A;KIAA1244	0.192777	1.981691	0.049118	0.403849
ARHGAP22	0.234276	1.980346	0.049271	0.40412
CRELD2	-0.28556	-1.97524	0.049852	0.405643
ADARB1;ICOSLG;ITGB2;C21orf67;ITGB2-AS1;LRRC3DN	-0.19361	-1.97449	0.049938	0.405837
FUOM;STK32C;TTC40;LRRC27	0.257583	1.978749	0.049452	0.404677
	-0.52954	-1.98291	0.048981	0.403449
	0.201333	1.981847	0.049101	0.403798
SELENBP1;BNIPL;THEM4;S100A11;CGN;SEMA6C;HRNR;POGZ;P SMD4;FAM63A	0.344209	1.978218	0.049512	0.404712
GRASP;POU6F1;ACVRL1;KRT80;DAZAP2;SLC11A2;SMAGP;KRT7 ;ACVR1B;LARP4;METTL7A;ATF1	-0.31426	-1.97948	0.049369	0.4044
PDGFA;PRKAR1B;PSMG3;FAM20C;ENSG00000249574;ELFN1;G PR146 C12orf49	-0.30242	-1.97762	0.04958	0.40484
	0.20943	1.979683	0.049346	0.404366
	-0.21012	-1.97516	0.049862	0.405643
	0.288357	1.976471	0.049712	0.405219
	0.240685	1.981294	0.049163	0.403888
	0.235693	1.978475	0.049483	0.404697
GNA15;GNG7;ADAMTSL5;MUM1 DOCK2;LCP2	0.263009	1.978637	0.049465	0.404688
	0.170514	1.97983	0.049329	0.40433
	-0.12275	-1.97783	0.049557	0.404814
	0.245266	1.97885	0.04944	0.404652
	-0.26025	-1.97513	0.049865	0.405643
	-0.32486	-1.98207	0.049076	0.403715
	0.159908	1.978167	0.049518	0.404712
	-0.20583	-1.97614	0.049749	0.405315
	-0.20956	-1.98046	0.049258	0.40412
	0.256448	1.977922	0.049546	0.404784
	0.147356	1.979234	0.049397	0.404497
	0.262873	1.976854	0.049668	0.405087
	-0.18806	-1.97946	0.049371	0.4044

CALHM2;SLK;COL17A1;OBFC1 ERAL1	-0.26196	-1.97894	0.04943	0.404613
	0.195911	1.97807	0.049529	0.40475
	-0.2221	-1.97797	0.04954	0.404777
	-0.12255	-1.975	0.04988	0.405663
DHRS7B;LGALS9B	-0.37982	-1.98078	0.049222	0.404041
	-0.28401	-1.98535	0.048706	0.402665
	-0.14889	-1.97622	0.04974	0.405292
	0.189872	1.97649	0.049709	0.405211
GNG7 CCNB2;MYO1E COMP	-0.29179	-1.97964	0.049351	0.404391
	0.275387	1.97974	0.049339	0.404344
	0.15711	1.981717	0.049115	0.403849
	0.16411	1.982351	0.049044	0.403578
RNU1-1	-0.23114	-1.97799	0.049539	0.404776
	-0.21909	-1.97912	0.049409	0.404553
	0.163614	1.978145	0.049521	0.404712
	-0.23341	-1.97849	0.049481	0.404697
BAG6 CCT5	-0.19966	-1.98174	0.049113	0.403849
	0.163851	1.974454	0.049942	0.405849
	-0.17227	-1.97836	0.049496	0.404712
	0.21092	1.978015	0.049535	0.404771
TEAD2;CPT1C;MYH14;RRAS;RCN3;PRRG2;VRK3;CLEC11A;ZNF4 73;KLK12;KLK11;FCGRT	-0.13902	-1.97768	0.049574	0.40484
	0.184143	1.974805	0.049902	0.405751
	0.146991	1.974664	0.049918	0.405805
	0.242379	1.97836	0.049496	0.404712
MRPS15	-0.20491	-1.97786	0.049553	0.404805
	0.130839	1.979163	0.049405	0.404539
	0.222336	1.978956	0.049428	0.404613
	0.173269	1.981717	0.049115	0.403849
SLC25A29;MEG3;ENSG00000225746;MEG8;ENSG0000023201 8	0.102066	1.980628	0.049239	0.404092
	0.161742	1.981186	0.049175	0.403888
	0.240764	1.974628	0.049922	0.405805
	-0.19054	-1.98077	0.049222	0.404041
RAB7L1;ENSG00000240710	-0.32376	-1.97458	0.049928	0.405806
	0.301703	1.980546	0.049248	0.404117
	-0.27407	-1.98242	0.049036	0.403578
	0.292909	1.976632	0.049693	0.405146
H2AFY;SKP1;PPP2CA;SAR1B	-0.2646	-1.97407	0.049986	0.405981
	0.191576	1.978844	0.049441	0.404652
	-0.14639	-1.97458	0.049927	0.405806
	0.240521	1.975723	0.049797	0.405459
H2AFY;SKP1;PPP2CA;SAR1B	0.200555	1.975686	0.049801	0.405478
	0.224039	1.982079	0.049075	0.403715
	0.213268	1.975816	0.049786	0.405419
	-0.11256	-1.98234	0.049045	0.403578
H2AFY;SKP1;PPP2CA;SAR1B	-0.27166	-1.97764	0.049578	0.40484

FBLN7;RABL2A;CHCHD5	-0.27473	-1.9796	0.049355	0.404397
TTC28;TTC28-AS1;MN1	0.251679	1.981246	0.049169	0.403888
	0.185947	1.97691	0.049661	0.405057
	0.183954	1.975315	0.049844	0.405622
ENSG00000173862;BBS9	-0.3321	-1.9741	0.049983	0.405981
RPS16	0.207594	1.97744	0.049601	0.404904
	-0.1648	-1.97773	0.049568	0.40484
	0.208509	1.978508	0.049479	0.404697
	-0.148	-1.98197	0.049087	0.403749
	-0.32028	-1.98055	0.049247	0.404117
	0.185883	1.977284	0.049619	0.404925
MEG3;RTL1;EVL	-0.20038	-1.97822	0.049512	0.404712
TSPAN18	-0.17021	-1.98155	0.049134	0.403857
	0.189276	1.980258	0.049281	0.404141
	-0.10847	-1.97515	0.049862	0.405643
	0.20901	1.977667	0.049575	0.40484
TSPAN1;TAL1;TRABD2B;STIL;CYP4B1	0.179373	1.98022	0.049285	0.404146
	-0.19033	-1.97471	0.049912	0.405797
	0.102536	1.974169	0.049975	0.405953
ALS2CR12;ICA1L	-0.20217	-1.98027	0.04928	0.404141
DYSF;ADD2	-0.177	-1.97808	0.049528	0.40475
	0.149523	1.981223	0.049171	0.403888
FLT3	-0.2899	-1.97733	0.049614	0.404919
	0.154795	1.980455	0.049258	0.40412
ELF3;RNPEP;PPP1R12B;LGR6;LMOD1;CSRP1;NAV1;IPO9	-0.24755	-1.97462	0.049923	0.405805
TRMT112;UBXN1	-0.23589	-1.97756	0.049588	0.40484
	0.180054	1.976912	0.049661	0.405057
	-0.30758	-1.98155	0.049134	0.403857
	0.181227	1.980875	0.049211	0.404026
MLLT4	0.267592	1.980124	0.049296	0.404189
GRASP;ACVRL1;KRT80;KRT7;SLC11A2;POU6F1;KRT18;GALNT6;				
DAZAP2;KRT8;SMAGP	-0.33546	-1.9783	0.049503	0.404712
SNX8;NUDT1;PSMG3;FTSJ2	0.162522	1.9788	0.049446	0.404652
	-0.30574	-1.97868	0.049459	0.404687
	-0.16883	-1.98004	0.049305	0.404228
	-0.24268	-1.97432	0.049958	0.405923
IGHGP;IGHG2;KIF26A;PLD4;ENSG00000257556	-0.26133	-1.98028	0.049279	0.404141
	0.274419	1.98017	0.049291	0.404169
	0.270497	1.975077	0.049871	0.405643
	0.202192	1.981029	0.049193	0.403936
	-0.13973	-1.97914	0.049407	0.404542
	0.133286	1.977623	0.04958	0.40484
	-0.1814	-1.98035	0.04927	0.40412
	0.4258	1.979777	0.049335	0.404344
CPNE5;TBC1D22B;CDKN1A;PI16;FGD2	-0.29897	-1.97545	0.049828	0.405582
	0.139655	1.976857	0.049667	0.405087
	0.22779	1.982441	0.049034	0.403578

	0.146306	1.975459	0.049827	0.405582
	0.234883	1.97651	0.049707	0.405211
	0.193824	1.979515	0.049365	0.4044
	0.257119	1.980292	0.049277	0.404141
	0.173507	1.978677	0.04946	0.404687
	-0.20947	-1.97521	0.049856	0.405643
SRSF12;BACH2	-0.34091	-1.97842	0.049489	0.4047
NCKAP1L;TESPA1	0.233016	1.97823	0.049511	0.404712
	0.123719	1.977624	0.04958	0.40484
	0.117126	1.977655	0.049576	0.40484
	-0.26705	-1.97492	0.049888	0.405694
	-0.21999	-1.97492	0.049889	0.405694
	-0.16739	-1.97793	0.049545	0.404784
TNRC6C;ST6GALNAC1;SPHK1;SYNGR2	0.201146	1.977709	0.04957	0.40484
CDIP1	0.238461	1.977226	0.049625	0.404956
FAM117A;EPN3;ABI3;NXPH3;PHOSPHO1	-0.20549	-1.97442	0.049947	0.405866
	0.191603	1.981181	0.049176	0.403888
	-0.13439	-1.97926	0.049394	0.404494
	0.097132	1.978469	0.049484	0.404697
	0.178996	1.982092	0.049073	0.403715
	0.135637	1.978814	0.049445	0.404652
	-0.34052	-1.98154	0.049135	0.403858
	0.096124	1.977333	0.049613	0.404919
SMIM5;UNC13D;ST6GALNAC2;SPHK1;RHBDF2;RNF157-AS1;SMIM6;GALK1;TRIM65	0.28108	1.977017	0.049649	0.40505
	0.156928	1.978478	0.049483	0.404697
	0.147168	1.975599	0.049811	0.405528
RSPO3	-0.28562	-1.97929	0.04939	0.404488
LPCAT1	0.256964	1.980095	0.049299	0.4042
RHBDL2;MACF1;HEYL;MFSD2A	-0.29672	-1.97849	0.049482	0.404697
	0.23852	1.980778	0.049222	0.404041
	0.230157	1.980575	0.049245	0.404117
	-0.18719	-1.97792	0.049546	0.404784
ENSG00000187607	0.238789	1.978408	0.049491	0.4047
TCF7;SKP1;SAR1B	0.257643	1.977153	0.049634	0.404993
	-0.18411	-1.98116	0.049178	0.403895
	-0.16211	-1.97509	0.049869	0.405643
	0.282937	1.976741	0.049681	0.405122
ENSG00000242299	-0.15176	-1.97862	0.049466	0.40469
	-0.30705	-1.97526	0.04985	0.405643
SLC35C1;MDK;CREB3L1	0.178063	1.976054	0.049759	0.405352
IL22RA1;RUNX3;IFNLRL1;PAQR7	0.256904	1.976995	0.049652	0.405054
	-0.20306	-1.97573	0.049796	0.405459
	0.164162	1.977378	0.049608	0.404919
MSMB	-0.32197	-1.97696	0.049655	0.405057
	-0.25611	-1.97778	0.049562	0.404839
	0.271237	1.974889	0.049892	0.405711

MTMR9	0.350304	1.98123	0.049171	0.403888
	0.222124	1.978238	0.04951	0.404712
ERN1;CD79B;LIMD2	0.238321	1.975104	0.049868	0.405643
GALE;CLIC4	-0.20046	-1.9821	0.049072	0.403715
LAX1;PIK3C2B	0.31198	1.97975	0.049338	0.404344
	0.234491	1.981526	0.049137	0.403863
	-0.12996	-1.97824	0.04951	0.404712
	-0.25817	-1.97746	0.049599	0.4049
ENSG00000271811;DNM3OS	0.26688	1.977692	0.049572	0.40484
	0.187697	1.976442	0.049715	0.40522
	0.285133	1.978482	0.049482	0.404697
	0.150575	1.977124	0.049637	0.404997
	-0.18917	-1.97395	0.05	0.405989
	0.285903	1.979413	0.049376	0.404407
	0.190298	1.97849	0.049481	0.404697
TMC8;TMC6;RHBDF2	-0.24326	-1.98038	0.049266	0.40412
GAS6;TMEM255B;F10;GAS6-AS1;TMCO3	-0.21246	-1.97506	0.049873	0.405646
RNF213	0.276635	1.978385	0.049493	0.404705
	-0.16279	-1.97764	0.049579	0.40484
	0.244957	1.976369	0.049723	0.405225
TTC21B;TTC21B-AS1	0.249726	1.976388	0.049721	0.40522
	-0.11653	-1.97642	0.049717	0.40522
WIBG;ENSG00000258056	0.216937	1.979419	0.049376	0.404407
	-0.21938	-1.98038	0.049267	0.40412
	0.242787	1.975512	0.049821	0.405563
	-0.17299	-1.97719	0.049629	0.404966
	0.177404	1.978995	0.049424	0.404613
	-0.14236	-1.97679	0.049675	0.405093
LRRC48;ATPAF2;FBXW10;SNORD3A;B9D1;ENSG00000232344;S				
NORD3B-1;SNORD3D	-0.21238	-1.97886	0.04944	0.404652
	0.143003	1.975978	0.049768	0.405352
PSMB8	-0.30643	-1.97776	0.049565	0.40484
NECAP2	-0.30192	-1.97595	0.049771	0.405352
PSMG3;SUN1	0.288379	1.979546	0.049361	0.4044
	-0.21139	-1.97898	0.049425	0.404613
ZBP1	0.201356	1.9824	0.049038	0.403578
CNPPD1	-0.14413	-1.97397	0.049998	0.405988
	0.188705	1.974339	0.049955	0.405922
WIPF1;CHN1	0.240175	1.977485	0.049596	0.404893
ERLIN1;DNMBP;MRPL43	0.332768	1.976511	0.049707	0.405211
CTTN;MRGPRF	-0.22634	-1.97883	0.049443	0.404652
	0.216014	1.98049	0.049254	0.40412
TIPARP;SLC33A1;LEKR1	-0.28812	-1.9746	0.049926	0.405805
	0.177616	1.976849	0.049668	0.405087
	0.261584	1.978342	0.049498	0.404712
	0.209761	1.974607	0.049925	0.405805
	0.249265	1.978151	0.04952	0.404712

CBFA2T3;PIEZO1;ENSG00000259881;ENSG00000224888;ENSG00000261226;RNF166;SPATA33;GAS8;SPIRE2;ENSG00000182376;ENSG00000260121;ANKRD11	-0.26152	-1.97789	0.04955	0.404797
MYCBPAP	-0.1746	-1.9773	0.049617	0.404919
	0.204437	1.977215	0.049627	0.404959
	0.200832	1.975618	0.049809	0.405518
	0.205653	1.978589	0.04947	0.40469
	0.198162	1.977265	0.049621	0.404936
P2RX4;P2RX7	0.28867	1.978772	0.049449	0.404663
	0.242505	1.97979	0.049334	0.404344
HN1L;IFT140;NHLRC4;CCDC78;ENSG00000261659;NME4;RGS11;TMEM204;ENSG00000196674;SNRNP25;BAIAP3;UNKL;SOX8;POLR3K;RHBDF1;METRN;MSLN;HAGHL;MRPL28	-0.37797	-1.97598	0.049768	0.405352
	-0.14916	-1.97848	0.049483	0.404697
	0.160041	1.976797	0.049674	0.405093
	-0.31853	-1.98145	0.049145	0.403888
	0.295716	1.977453	0.049599	0.4049
	-0.23858	-1.97492	0.049889	0.405694
RN7SKP198	0.181676	1.976829	0.049671	0.405087
MFNG;CSF2RB;APOL3;IL2RB;RAC2;CYTH4;APOL2;NCF4;C22orf23;LGALS2;IFT27;ANKRD54;MYH9;SOX10;LGALS1	0.282107	1.977827	0.049557	0.404814
	-0.17465	-1.9773	0.049617	0.404919
	-0.17426	-1.97649	0.04971	0.405211
	0.169687	1.981277	0.049165	0.403888
	0.222942	1.975112	0.049867	0.405643
	0.174771	1.976702	0.049685	0.405135
	-0.1825	-1.97675	0.04968	0.405122
RHOH	-0.34674	-1.97842	0.049489	0.4047
	0.227536	1.977967	0.049541	0.404777
	-0.14833	-1.97655	0.049703	0.405207
	-0.15699	-1.97601	0.049765	0.405352
	0.138647	1.975216	0.049855	0.405643
	-0.15023	-1.97605	0.04976	0.405352
HOXB4;HOXB3;PRR15L;CALCOCO2;HOXB-AS2;ITGB3;TBKBP1;COPZ2;HOXB6;MIR10A	-0.29779	-1.97594	0.049772	0.405352
TMEM258	-0.22622	-1.9745	0.049938	0.405837
	-0.17514	-1.97425	0.049965	0.405923
CECR2	-0.22213	-1.97915	0.049407	0.404542
	-0.13529	-1.97701	0.04965	0.405051
	-0.21285	-1.97981	0.049331	0.404337
	-0.14096	-1.97692	0.04966	0.405057
	-0.27123	-1.97739	0.049606	0.404916
	0.19852	1.975784	0.04979	0.405433
TNFRSF1B	0.288222	1.979744	0.049339	0.404344
	0.285175	1.975109	0.049867	0.405643
	0.227184	1.978155	0.04952	0.404712

	0.199018	1.976248	0.049737	0.405283
	-0.22144	-1.98062	0.04924	0.404095
	-0.25926	-1.97696	0.049656	0.405057
	-0.25169	-1.97529	0.049846	0.405635
	-0.2258	-1.98165	0.049123	0.403857
	0.113193	1.978256	0.049508	0.404712
P2RX4;P2RX7	-0.27309	-1.9786	0.049468	0.40469
SMPD2	-0.26334	-1.97919	0.049402	0.404528
PIK3CD;CASZ1;SLC2A5;SPSB1	0.312724	1.97829	0.049504	0.404712
	0.289434	1.979524	0.049364	0.4044
FGGY;RN7SL475P	-0.25976	-1.97482	0.0499	0.405751
AHR	-0.3018	-1.97532	0.049843	0.405622
	0.198878	1.979015	0.049422	0.404613
	-0.18836	-1.97428	0.049962	0.405923
	0.222978	1.974239	0.049967	0.405923
LINC01132;LYST	-0.30311	-1.98011	0.049298	0.404195
	0.197727	1.9754	0.049834	0.405584
	0.194473	1.977985	0.049539	0.404776
FRA10AC1	-0.24458	-1.97843	0.049488	0.4047
	0.301353	1.978006	0.049536	0.404772
	-0.14484	-1.97546	0.049827	0.405582
	-0.18811	-1.97585	0.049782	0.405393
	0.151398	1.973962	0.049999	0.405988
	-0.14417	-1.97943	0.049374	0.404407
SDK1;ENSG00000234432	0.223552	1.976143	0.049749	0.405315
	0.278889	1.97692	0.04966	0.405057
TSPAN32;C11orf21	-0.21729	-1.97852	0.049477	0.404697
	0.199641	1.974266	0.049964	0.405923
	-0.13988	-1.9746	0.049925	0.405805
P2RX4;P2RX7;KNTC1	0.23592	1.976683	0.049687	0.40514
	0.15947	1.977324	0.049614	0.404919
POLG	0.123448	1.974674	0.049917	0.405805
	-0.22029	-1.97595	0.049771	0.405352
	0.126101	1.974642	0.049921	0.405805
	0.270734	1.978566	0.049473	0.404697
AGPAT3;PWP2;LRRC3	-0.32319	-1.97821	0.049513	0.404712
NLGN2	0.116739	1.974612	0.049924	0.405805
HN1L;TMEM204;IL32;CLUAP1;ENSG00000262370;PAQR4;PRSS				
22;CCDC64B;ENSG00000205890;PDPK1;ABCA3;IFT140	-0.29555	-1.97406	0.049987	0.405981
LINC01121	0.314654	1.97975	0.049338	0.404344
	0.203716	1.974762	0.049907	0.405767
	-0.24053	-1.97527	0.049849	0.405643
	0.236548	1.975407	0.049833	0.405584
	-0.18378	-1.97858	0.049471	0.40469
	-0.26887	-1.97694	0.049658	0.405057
	-0.22018	-1.97492	0.049889	0.405694



ARHGAP28	0.216393	1.975471	0.049826	0.405582
	0.191713	1.974242	0.049967	0.405923
	0.160187	1.977075	0.049643	0.405034
	-0.14028	-1.97606	0.049759	0.405352
	-0.17134	-1.97757	0.049586	0.40484
TAP2;HCP5;TAP1;HLA-DMA;HLA-B;HSPA1B;HSPA1A;PSMB9;HLA-C;HLA-DMB;HLA-DOA;PPT2;TAPSAR1	-0.34077	-1.97532	0.049843	0.405622
	-0.19173	-1.9779	0.049548	0.404793
	0.178102	1.97517	0.04986	0.405643
	0.231503	1.976706	0.049685	0.405135
	-0.24755	-1.97867	0.049461	0.404687
PIAS1;KIF23;CORO2B ALPL;LDLRAD2 YARS;AK2;TXLNA	-0.15781	-1.97641	0.049718	0.40522
	0.100952	1.97469	0.049915	0.405805
	0.284358	1.980227	0.049284	0.404146
	0.298089	1.980554	0.049247	0.404117
	0.574775	1.976663	0.04969	0.40514
ERAP1	0.158731	1.977341	0.049612	0.404919
	0.268826	1.97606	0.049758	0.405352
	0.344163	1.974632	0.049922	0.405805
	0.27024	1.974003	0.049994	0.405981
	-0.28479	-1.97508	0.049871	0.405643
SCARF1;FAM101B;YWHAE;ENSG00000262777;GLOD4 TRGV10	0.227036	1.975797	0.049789	0.405429
	-0.17336	-1.97651	0.049707	0.405211
	0.237734	1.978943	0.04943	0.404613
	0.188107	1.976107	0.049753	0.405337
	-0.27726	-1.97513	0.049865	0.405643
PDE3B	0.189228	1.974821	0.0499	0.405751
	0.282676	1.97732	0.049615	0.404919
	-0.28043	-1.97397	0.049998	0.405988
	0.238312	1.975442	0.049829	0.405582
	-0.2069	-1.97602	0.049763	0.405352
CR1L	0.203411	1.97401	0.049993	0.405981
	0.269745	1.976717	0.049683	0.405135
	0.122581	1.974126	0.04998	0.405981
	-0.16641	-1.97592	0.049775	0.405365
	-0.27641	-1.9762	0.049743	0.405294
ZNRD1-AS1	-0.18325	-1.97668	0.049688	0.40514
	0.240304	1.975133	0.049864	0.405643
	0.202355	1.975555	0.049816	0.405544
	-0.24006	-1.97401	0.049993	0.405981
	-0.16993	-1.97811	0.049524	0.404726
MRGPRF;TPCN2	0.182226	1.978561	0.049473	0.404697
	0.284035	1.974862	0.049895	0.405728
	-0.14867	-1.97628	0.049733	0.40528
	0.248417	1.974031	0.049991	0.405981
	0.245846	1.975561	0.049816	0.405544

DVL3;PSMD2;ECE2;C3orf70;B3GNT5;MAGEF1	0.232226	1.97448	0.049939	0.405838
	0.234672	1.974309	0.049959	0.405923
	-0.25553	-1.97436	0.049953	0.405911
	0.281463	1.974058	0.049988	0.405981
	0.167636	1.974044	0.049989	0.405981
	0.139173	1.976498	0.049708	0.405211
RASGRP2;EFEMP2;SIPA1;MAP4K2;FERMT3;LTBP3;NRXN2;EHD1	-0.1429	-1.97449	0.049938	0.405837
CIRBP-AS1	-0.23601	-1.97443	0.049946	0.405865
	0.18289	1.975954	0.049771	0.405352
ITGAL;MVP	0.183883	1.9757	0.0498	0.405473
	-0.15925	-1.97428	0.049962	0.405923
	0.244736	1.976933	0.049659	0.405057
	-0.21036	-1.97511	0.049867	0.405643
	-0.14851	-1.97714	0.049635	0.404994
	0.315349	1.976832	0.04967	0.405087
	0.168015	1.976666	0.049689	0.40514
TSSC1	0.189496	1.974165	0.049975	0.405953
ARL17A;KANSL1-AS1;KANSL1;LRRC37A	0.303246	1.977819	0.049558	0.404815
	0.20864	1.976447	0.049714	0.40522
	0.179575	1.974499	0.049937	0.405837
ENSG00000260425	-0.25986	-1.97706	0.049645	0.405034
	0.265584	1.974926	0.049888	0.405694
	-0.21957	-1.97658	0.0497	0.405191
	-0.14413	-1.97547	0.049826	0.405582
	0.28472	1.9762	0.049742	0.405294
ENSG00000261659;CCDC78;NME4;IFT140;BAIAP3;ENSG00000196674	-0.22989	-1.97741	0.049604	0.404916
	0.145943	1.974077	0.049986	0.405981
USP25	0.296208	1.975052	0.049874	0.405646
ENSG00000264198;IKZF3;PLXDC1;ERBB2;IGFBP4;MED24	-0.29272	-1.97457	0.049929	0.405806
ACAP1;CLEC10A;CLDN7;TNFSF12;ACADVL;CTC1	0.205725	1.975883	0.049779	0.405379
	0.15619	1.975395	0.049834	0.405584
	0.214793	1.974035	0.04999	0.405981
	-0.2517	-1.97725	0.049622	0.40494
ENSG00000224992	-0.14715	-1.97478	0.049905	0.405762
	-0.156	-1.97769	0.049573	0.40484
	-0.20273	-1.97595	0.049771	0.405352
	-0.2328	-1.97628	0.049733	0.40528
TRAC	-0.26338	-1.97639	0.049721	0.40522
	0.263065	1.978126	0.049523	0.404722
MZB1;ECSCR	-0.17618	-1.9764	0.04972	0.40522
CXCR6;XCR1;ZDHHC3	-0.37454	-1.97534	0.049841	0.405621
ZNF831;FAM217B	-0.19354	-1.97555	0.049817	0.405544
SEMA7A	0.222321	1.974055	0.049988	0.405981
EBF2	-0.28725	-1.97453	0.049933	0.405834
	0.187857	1.974023	0.049992	0.405981

	-0.23656	-1.97468	0.049916	0.405805
	0.168534	1.975563	0.049815	0.405544
	-0.17694	-1.97504	0.049875	0.405646
TAP1;HLA-DMB;TAP2;HLA-DOA;HLA-DPB1;PSMB9;HLA-DMA;HLA-DPA1;TAPSAR1;HLA-DRA;GPSM3;HLA-DRB1;PSMB8;C2;RPL32P1				
TENM2	0.307062	1.975185	0.049859	0.405643
FLNB;DNASE1L3	0.145605	1.974925	0.049888	0.405694
	-0.24969	-1.97512	0.049866	0.405643
	-0.18327	-1.97624	0.049738	0.405283
	-0.19165	-1.9748	0.049902	0.405751
	-0.25398	-1.97475	0.049908	0.40577
INPP5J;CPSF1P1;SMTN;ENSG00000198832	-0.28704	-1.975	0.04988	0.405663
	0.435722	1.975627	0.049808	0.405518
ADAM33	-0.14987	-1.97619	0.049744	0.405297
	0.267729	1.975098	0.049869	0.405643
VEZF1;MIR142;COIL;EPX;MRPS23	-0.2836	-1.97594	0.049772	0.405352
SLK	0.323863	1.974324	0.049957	0.405923
CIITA;TXNDC11;CPPED1;LITAF	-0.28282	-1.97543	0.04983	0.405582
	-0.29726	-1.97408	0.049985	0.405981
	-0.22951	-1.97417	0.049975	0.405953
TWF1P1	0.233134	1.974267	0.049964	0.405923

chr	start	end	min_p	n_probes	z_p	z_sidak_p	t.pos.t.neg	t.sum	refGene_n ame	refGene_d istance	refGene_feature	cpgislandE xt_name	xt_distanc e	cpgislandE xt_feature	gene	sym	cpgs
3	42977776	42978248	4.58E-18	8	1.06E-22	9.55E-20	8/0	34.042136	KRBOX1-AS1;KRBO	0/0	nc_exon;TSS+intron+exon+utr5	CpG: 24		0 island	ENSG00000144648	ACKR2	cg01990997;cg27084712;cg11303738;cg22714811;cg08111629;cg21104412;cg08364654;cg18516471
19	50666237	50666552	5.55E-10	6	1.78E-14	2.41E-11	6/0	22.470396	IZUMO2	0	TSS+utr5+cds	CpG: 30		0 island	ENSG00000142541	RPL13A	cg10374084;cg14742716;cg09697795;cg08188330;cg24296452;cg01857260
11	124746753	124747263	0.001567	6	9.24E-11	7.75E-08	6/0	18.728444	ROBO3	0	intron+cds	CpG: 73		0 island	ENSG00000154134	ROBO3	cg08833670;cg07451926;cg21071117;cg01253160;cg17272642;cg02940147
17	1094028	1094555	4.30E-05	7	1.07E-10	8.64E-08	0/7	-20.72645	ABRDLGAP2;DL	0	intron	CpG: 120	10195				cg16441919;cg10718894;cg25334860;cg20612875;cg01466631;cg17224892;cg18709110
8	1049166	1049477	7.75E-05	5	4.21E-09	5.78E-06	0/5	-15.42122	GAP2	0/0	nc_intron;jintron	CpG: 48		293 shore			cg09618773;cg04106395;cg21515003;cg15682797;cg17119279
15	45671000	45671347	0.0001178	10	2.53E-08	3.11E-05	10/0	24.149962	GATMLOC100507	0	intron+utr5	CpG: 98		0 island	ENSG000000171766;ENSG000000140279;ENSG0000004133;ENSG000000000001667	GATM;DUOX2;SPG11	cg26796135;cg24328539;cg05896902;cg04025675;cg210;ENSG000381115;cg18435832;cg15744692;cg11032707;cg0076
3	142666107	142666476	0.001219	4	1.14E-07	0.0001322	4/0	12.191294	389	4729	intergenic	CpG: 35		0 island	000138606ENSG00000175066	;B2M;SHFGK5	7496;cg04980849
15	75251490	75251733	0.001514	3	1.31E-07	0.000231	3/0	10.217229	RPP25	-1715	intergenic	CpG: 28		0 island	ENSG00000104081;ENSG000000129009	CCDC33;ISLR	cg21523564;cg05627522;cg18612461
1	119532043	119532352	0.001514	8	1.99E-07	0.0002749	8/0	19.026165	TBX15	0	TSS+exon+utr5	CpG: 19		0 island			cg14565725;cg24884142;cg07892597;cg10703826;cg05940231;cg25340966;cg26272623;cg12664119
11	1891931	1892307	0.0006939	10	2.88E-07	0.0003267	09-Jan	20.741317	LSP1;LSP1	0/0;0/0	TSS+intron+exon+utr5;TSS+exon+utr5;intron	CpG: 45		0 island	ENSG000001010665;ENSG000000130592;ENSG000000064201;ENSG000000184682	C11orf21;LSP1;TSPAN32;C11orf89	cg08276062;cg05443390;cg24552015;cg09898681;cg20331155;cg21529477;cg22043296;cg26897904;cg26868156;cg15079934
5	150325953	150326312	0.002239	7	3.35E-07	0.0003989	7/0	17.262623	ZNF300P1	0	nc_exon	CpG: 25		0 island	ENSG000001023643;ENSG000000197083	SLC36A1;ZNF300P1	cg15996534;cg13790719;cg05016408;cg27079680;cg19585597;cg26212163;cg07499553
8	41167847	41168072	0.003669	4	2.71E-07	0.0005149	4/0	11.983767	SFRP1	-855	intergenic	CpG: 147		707 shore			cg06166767;cg14824386;cg07935886;cg01074584

															ENSG00000242574;E NSG000000204257;EN SG000000240065;ENSG 00000204252;ENSG000 000204287; DMB;HLA- ENSG00000 DMA;PSM 0204261;E B9;HLA- NSG00000 DOA;HLA- 231389;EN DRA;TAPS SG0000022 AR1;HLA- 3865;ENSG DPA1;HLA- 000002326 DPB1;HLA- 29;ENSG00 DQB2;SLC4 000204385 4A4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</
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[illegible]

																ENSG00000184348;E	
																NSG000000	cg16731266;cg07017437;cg25653641;cg22572476;cg2
																184357;EN	HIST1H2AK 7535677;cg22497095;cg26865747;cg03759229;cg1356
																SG00000019	;HIST1H1B; 5129;cg20851828;cg14654363;cg00990380;cg1276397
6	28601268	28601519	0.03598	13	2.28E-05	0.0381 13/0	23.565383	LINC00533	14543	intergenic	CpG: 32	-1334	shore	7153	HIST1H3J	8	cg20048521;cg19146112;cg16074228;cg27237745;cg13001017;cg26550861;cg12070285
6	74072241	74072447	0.03303	7	1.92E-05	0.03914 7/0	14.878036	KHDC3L	0	TSS+exon+utr5	CpG: 23	-847	shore				

chr	start	end	min_p	n_probes	z_p	z_sidak_p	t.pos.t.neg	t.sum	refGene_n ame	refGene_d istance	refGene_f eature	cpGISlandE xt_name	xt_distanc e	cpGISlandE xt_feature	gene	sym	cpGS
10	135340444	135341025	2.68E-12	9	4.67E-15	3.43E-12	0/9	-32.14482	CYP2E1		TSS+utr5+c ds	CpG: 119	-230	shore	ENSG00000148803;ENSG00000130640; ENSG00000127884;ENSG00000203772	FUOM;TUBGCP2;ECHS1 ;SPRN	cg07381788;cg09208540;cg10986462;cg01465364;cg00436603;cg14250048;cg19571004;cg19837601;cg21024264
16	4714079	4714815	1.97E-06	7	6.65E-13	3.86E-10	0/7	-24.4211	MGRN1;MGRN1	0;0	intron+cds ;nc_intron +nc_exon	CpG: 21	11228		ENSG00000166246;ENSG00000262246; ENSG00000267795;ENSG00000140632; ENSG00000089486;ENSG00000153446; ENSG00000266994;ENSG00000103184; ENSG00000126603;ENSG00000090447; ENSG00000262686	C16orf71;CORO7;SMIM22;GLYR1;CDIP1;C16orf89;ENSG00000266994;S EC14L5;GLIS2;TFAP4;ENSG00000262686	cg02647929;cg06323332;cg27193519;cg01922891;cg04962621;cg01156249;cg07635227
1	147245484	147245626	1.47E-08	3	1.38E-13	4.14E-10	3/0	14.812761	NBPF19	0	intron	CpG: 80	102566		ENSG00000116128	BCL9 SHANK2;SHANK2-AS1;SHANK2-	cg08307963;cg17941330;cg26191449
11	69919474	69920054	7.41E-05	5	2.49E-12	1.83E-09	5/0	18.635707	LINC02584	0	nc_intron	CpG: 106	-4284		ENSG00000162105;ENSG00000226627; ENSG00000171671;ENSG00000236262; ENSG00000227726;ENSG00000227726;ENSG00000085733	AS3;SHANK2-AS2;ENSG00000227726;CTTN	cg04530028;cg14637111;cg08288074;cg24996981;cg10653607
1	9380565	9381431	3.16E-06	5	8.00E-12	3.95E-09	0/5	-18.14314	SPSB1	0	intron+utr 5	CpG: 24	-34695		ENSG00000234546;ENSG00000171621; ENSG00000188807;ENSG00000162426; ENSG00000049239;ENSG00000171608; ENSG00000171603;ENSG00000054523; ENSG00000162444;ENSG00000142583	B1;TMEM201;SLC45A1; H6PD;PIK3CD;CLSTN1;K IF1B;RBP7;SLC2A5	cg23632432;cg06349050;cg19820919;cg12221621;cg03116948
8	145018815	145019839	3.44E-06	17	1.78E-11	7.42E-09	0/17	-43.54785	PLEC;MIR661;PLEC	0;0;0	intron;nc_ gene;TSS+i ntron+utr5 +c	CpG: 29	0	island	ENSG00000203499;ENSG00000104529; ENSG00000254389;ENSG00000255224; ENSG00000265660;ENSG00000184428; ENSG00000147799;ENSG00000196378; ENSG00000160949;ENSG00000254973; ENSG00000181085;ENSG00000182851; ENSG00000180921;ENSG00000167701; ENSG00000178896;ENSG00000104522; ENSG00000177335	FAM83H-AS1;EEF1D;RHPN1-AS1;ENSG00000255224; MIR4664;TOP1MT;ARH GAP39;ZNF34;TONSL-E NSG00000254973;MAP K15;GPIHBP1;FAM83H; GPT;EXOSC4;TSTA3;C8orf31	cg13984060;cg07898713;cg17960164;cg07690326;cg11956819;cg03537810;cg16783170;cg09406760;cg00128812;cg10451724;cg24120597;cg16434940;cg26373812;cg00611614;cg09235308;cg04018533;cg02140559
13	114812176	114813015	4.45E-05	6	1.86E-11	9.46E-09	0/6	-20.11687	RASA3;RAS3	0;0	intron;intr on+utr5	CpG: 43	-927	shore	ENSG00000150403;ENSG00000130177; ENSG00000153531;ENSG00000184497; ENSG00000185989;ENSG00000150401; ENSG00000183087;ENSG00000126226; ENSG00000198176	TMCO3;CDC16;ADPRHL1;TMEM255B;RASA3;DC UN1D2;GAS6;PCID2;TF DP1	cg11759552;cg20028528;cg12667002;cg08070963;cg12938556;cg03646740
14	105932811	105933283	2.45E-07	4	1.19E-11	1.08E-08	0/4	-16.06537	MTA1;MTA1	0;0	intron+ex on+utr3;in tron+c	CpG: 25	0	island	ENSG00000140104;ENSG00000185100; ENSG00000203485;ENSG00000211943; ENSG00000211941;ENSG00000211947; ENSG00000211949;ENSG00000211899; ENSG00000211895;ENSG00000226777; ENSG00000211959;ENSG00000237111; ENSG00000184916;ENSG00000211893; ENSG00000211890	C14orf79;ADSSL1;INF2;IGHV3-15;IGHV3-11;IGHV3-21;IGHV3-23;IGHM;IGHA1;KIAA0125;IGHV4-39;IGH3P;JAG2;IGHG2; IGHA2	cg27156542;cg26338030;cg14480449;cg25023215
12	132219327	132219529	2.56E-07	2	9.10E-12	1.93E-08	0/2	-10.64871	SFSWAP	0	intron	CpG: 18	0	island	ENSG00000177084;ENSG00000111450; ENSG00000111452;ENSG00000185163; ENSG00000177169;ENSG00000198598	POLE;STX2;GPR133;DDX51;ULK1;MMP17	cg10454857;cg13327785
14	94392717	94392932	2.56E-07	4	1.20E-11	2.38E-08	0/4	-16.36553	FAM181A;FAM181A-AS1;FAM181A	0;0;0	intron;nc_ exon;intro n+utr5	CpG: 118	-12303		ENSG00000119698;ENSG00000133958; ENSG00000100628;ENSG00000170270; ENSG00000258987;ENSG00000258584; ENSG00000175785;ENSG00000170099; ENSG00000165943;ENSG00000140093; ENSG00000197249;ENSG00000140067; ENSG00000119632	PPP4R4;UNC79;ASB2;C14orf142;ENSG00000258987;FAM181A-AS1;PRIMA1;SERPINA6; MOAP1;SERPINA10;SER PINA1;FAM181A;IFI27L	cg13026754;cg19591003;cg26267081;cg12173661



21	43786626	43786997	2.56E-07	6	3.26E-11	3.76E-08	0/6	-20.87904	TFF1	0	TSS+exon+ utr5	CpG: 37	60310	ENSG00000160190;ENSG00000160182; ENSG00000160183;ENSG00000160179; ENSG00000236384;ENSG00000177398; ENSG00000160188;ENSG00000235772; ENSG00000160200;ENSG00000225431; ENSG00000184012;ENSG00000184385; ENSG00000160191;ENSG00000227702; ENSG00000237232;ENSG00000160180; ENSG00000141956;ENSG00000237989	SLC37A1;TFF1;TMPRSS3 ;ABC G1;LINC00479;UM ODL1;RSPH1;ENSG0000 0235772;CBS;ENSG0000 0225431;TMPRSS2;C21o r128;PDE9A;LINC00111 ;ZNF295- AS1;TFF3;PRDM15;ENS G00000237989	cg06099014;cg22438247;cg0 2643667;cg19247032;cg2740 5706;cg01886855	
5	476496	476842	2.57E-07	4	3.17E-11	3.91E-08	0/4	-15.73635	SLC9A3- AS1;SLC9A 3	0;0	nc_intron+ nc_exon;i ntron+cds	CpG: 48	0	island	ENSG00000153395;ENSG00000171368; ENSG00000249915;ENSG00000188242; ENSG00000066230	LPCAT1;TPPP;PDCD6;E NSG00000188242;SLC9 A3	cg06852942;cg08758174;cg0 1295188;cg16235679 cg14112601;cg24690479;cg0 8382072;cg22378252;cg1965 7351;cg26781466;cg1163612 7
6	10520873	10521715	8.73E-06	6	8.46E-11	4.29E-08	0/7	-21.92197	GCNT2	0	TSS+intron +exon+utr 5	CpG: 43	94235	ENSG00000137210;ENSG00000153157; ENSG00000111843;ENSG00000111859; ENSG00000137434	TMEM148;SYCP2L;TME M14C;NEDD9;C6orf52		
10	51548894	51549656	4.18E-05	5	1.14E-10	6.38E-08	0/5	-17.80303	TIMM23B- AGAP6;MS MB;TIMM2 3B;TIMM2 3B	0;0;0;0	nc_intron; TSS+intron +utr5+cds; nc_intron;i ntron	CpG: 53	-15415	ENSG00000138294;ENSG00000227345; ENSG00000235618;ENSG00000197444; ENSG00000138297	MSMB;PARG;ENSG0000 0235618;OGDHL;TIMM2 3	cg27607126;cg17030820;cg2 6191747;cg10326726;cg1208 3644	
17	4621204	4621252	2.56E-07	3	1.01E-11	9.01E-08	0/3	-13.60835	ARRB2;AR RB2;ARRB2	0;0;0	cds;exon+ utr5;nc_ex on	CpG: 100	6781	ENSG00000180787;ENSG00000261863; ENSG00000141480;ENSG00000182557; ENSG00000129219;ENSG00000161920; ENSG00000161929;ENSG00000182853; ENSG00000141503;ENSG00000261879; ENSG00000161905;ENSG00000167842; ENSG00000129250	ZFP3;ENSG00000261863 ;ARRB2;SPNS3;PLD2;M ED11;SCIMP;VMO1;MI NK1;ENSG00000261879; ALOX15;MIS12;KIF1C	cg02286380;cg07971820;cg1 3466002 cg17660833;cg05551003;cg1 1702866;cg17571559;cg0966 6573 cg21366688;cg18566177;cg1 7284168	
3	11267019	11267627	0.0004749	5	2.70E-10	1.90E-07	0/5	-16.81836	HRH1	0	intron+utr 5	CpG: 31	-46262	ENSG00000196639	HRH1		
6	134491420	134491531	1.19E-06	3	8.06E-11	3.11E-07	0/3	-12.95703	SGK1	0	cds	CpG: 118	-4408	ENSG00000118526;ENSG00000112319; ENSG00000118515	TCF21;EYA4;SGK1		
17	75096201	75096382	1.96E-06	3	1.79E-10	4.23E-07	0/3	-12.73256	SEC14L1	0	intron+utr 5	CpG: 36	11116	ENSG00000129657;ENSG00000185262; ENSG00000267128;ENSG00000129654; ENSG00000176170;ENSG00000070731; ENSG00000161542;ENSG00000267506; ENSG00000182534;ENSG00000078687; ENSG00000161544;ENSG00000070526; ENSG00000163597	SEC14L1;UBALD2;RNF1 57- AS1;FOXJ1;SPHK1;ST6G ALNAC2;PRPSAP1;ENS G00000267506;MXRA7; TNRC6C;CYGB;ST6GALN AC1;SNHG16	cg20610950;cg11597902;cg1 1186858	
20	55968729	55969282	0.002206	2	6.79E-10	5.25E-07	0/2	-9.295756	RBM38 MYCL;MYC	0	intron intron;exo n+utr3	CpG: 75	1765	shore	ENSG000001124225;ENSG00000132819; ENSG00000087510	PMEPA1;RBM38;TFAP2 C	cg17799760;cg10336935
1	40364869	40365499	0.003127	2	8.66E-10	5.87E-07	2/0	9.2353362	L	0;0		CpG: 171	-1096	shore	ENSG00000116990;ENSG00000168389 ENSG00000100422;ENSG00000130943; ENSG00000234869	MYCL;MFSD2A CERK;PKDREJ;ENSG000 00234869	cg00295382;cg16163765 cg25487405;cg17342469;cg2 7214856
22	46473038	46473343	0.0006591	3	4.24E-10	5.94E-07	0/3	-12.12447	LOC642648	-6137	intergenic	CpG: 249	4510	ENSG00000104728;ENSG00000183117	ARHGEF10;CSMD1	cg22843712;cg10700718;cg2 5898146;cg25541958	
8	1992554	1992965	1.20E-06	4	5.91E-10	6.14E-07	0/4	-14.93053	MYOM2	-195	intergenic	CpG: 17	-10844	ENSG00000104728;ENSG00000183117	ARHGEF10;CSMD1	cg22843712;cg10700718;cg2 5898146;cg25541958	
17	1553340	1553661	3.16E-06	8	5.45E-10	7.26E-07	0/8	-24.65263	RILP	-180	intergenic	CpG: 130	91	shore	ENSG00000167721;ENSG00000132376; ENSG00000177374;ENSG00000074660; ENSG00000263050;ENSG00000108953; ENSG00000174238	TSR1;INPP5K;HIC1;SCA RF1;ENSG00000263050; YWHAE;PITPNA	cg15380836;cg05548425;cg0 8625564;cg24096415;cg2348 8607;cg03044281;cg1950293 6;cg04049033
7	2672399	2673197	0.002458	4	2.71E-09	1.45E-06	0/4	-13.75458	TTYH3	0	intron	CpG: 69	462	shore			cg15934804;cg23694492;cg0 9956615;cg09055236

														ENSG00000070404;ENSG00000099812; ENSG00000198858;ENSG00000141934; ENSG00000099864;ENSG00000185761; ENSG00000130005;ENSG00000129946; ENSG00000116032;ENSG00000167470; ENSG00000071564;ENSG00000160953; ENSG00000197766;ENSG00000115257; ENSG00000167468	FSTL3;MISP;R3HDM4;P PAP2C;PALM;ADAMTSL 5;GAMT;SHC2;GRIN3B; MIDN;TCF3;MUM1;CFD ;PCSK4;GPX4	cg02147126;cg14663914;cg1 0752406;cg15610437;cg1664 3542
19	827714	827843	3.16E-06	5	4.56E-10	1.51E-06	0/5	-17.50974	AZU1	TSS+exon+ 0 utr5	CpG: 153	5045				
13	114261868	114261986	3.16E-06	3	4.89E-10	1.77E-06	0/3	-12.41064	TFDP1;TFD P1	intron;nc_i ntron	CpG: 30	1303	shore	ENSG00000185989;ENSG00000126226; ENSG00000126218;ENSG00000183087; ENSG00000130177;ENSG00000150403	RASA3;PCID2;F10;GAS6 ;CDC16;TMCO3	cg17707487;cg08183317;cg2 1598343
8	19540209	19540576	5.08E-06	7	1.79E-09	2.08E-06	0/7	-21.29503	CSGALNAC T1;CSGALN ACT1;CSG ALNACT1	intron+utr 5;nc_intron ;nc_exon	CpG: 128	-73555		ENSG00000147408;ENSG00000061337	CSGALNACT1;LZTS1	cg20450123;cg14854503;cg1 8325192;cg14818701;cg1537 9858;cg11155735;cg1150584 1
4	6695202	6695698	6.54E-06	8	2.42E-09	2.08E-06	0/8	-23.16604	S100P	TSS+utr5+c ds	CpG: 72	-15250		ENSG00000163993;ENSG00000072840; ENSG00000173013;ENSG00000173040; ENSG00000170871;ENSG00000072832; ENSG00000178597;ENSG00000184985; ENSG00000251580;ENSG00000186222; ENSG00000132405	S100P;EVC;CCDC96;EVC 2;KIAA0232;CRMP1;PS APL1;SORCS2;ENSG000 00251580;BLOC1S4;TBC 1D14	cg14323984;cg27027375;cg1 4900031;cg14140379;cg2508 3732;cg07210669;cg2623333 1;cg22266967
5	1320684	1320734	2.54E-06	2	2.68E-10	2.29E-06	0/2	-9.825905	CLPTM1L	0 intron+cds	CpG: 18	-14343		ENSG00000171368;ENSG00000145494; ENSG00000145506;ENSG00000063438; ENSG00000249915;ENSG00000049656; ENSG00000171421	TPPP;NDUFS6;NKD2;A HRR;PDCD6;CLPTM1L; MRPL36	cg08929612;cg26224791  cg25022327;cg21033709;cg1 9889666;cg22837015;cg0481 7300;cg19275133;cg0984788 2;cg24908198;cg09682051;cg 13962286;cg09615719;cg101 16840;cg03996398;cg084323 83;cg23811942 cg26075356;cg06765814;cg2 3869158;cg01205267;cg1134 2437;cg19038230;cg1983310 3
11	128812461	128813470	0.0002309	15	6.02E-09	2.55E-06	0/15	-35.58892	TP53AIP1	TSS+intron +exon+utr 0 5	CpG: 77	51228		ENSG00000120471;ENSG00000151702; ENSG00000134909;ENSG00000134954; ENSG00000254703;ENSG00000151715; ENSG00000043039;ENSG00000174370	TP53AIP1;FLI1;ARHGAP 32;ETS1;SENCR;TMEM4 5B;BARX2;C11orf45	cg13962286;cg09615719;cg101 16840;cg03996398;cg084323 83;cg23811942 cg26075356;cg06765814;cg2 3869158;cg01205267;cg1134 2437;cg19038230;cg1983310 3
13	47125800	47126551	0.0004819	7	4.70E-09	2.67E-06	0/7	-19.8669	LRCH1	-744 intergenic	CpG: 152	-419	shore	ENSG00000136141	LRCH1	3
6	112375185	112375333	5.13E-06	6	9.71E-10	2.81E-06	0/6	-19.60425	CCN6;CCN 6	TSS+exon+ utr5;nc_ex on	CpG: 49	-33073		ENSG00000112769;ENSG00000237234; ENSG00000271208;ENSG00000226440; ENSG00000112394;ENSG00000270661; ENSG00000255389;ENSG0000010810; ENSG00000203778	LAMA4;ENSG000002372 34;ENSG00000271208;E NSG00000226440;SLC16 A10;ENSG00000270661; ENSG00000255389;FYN; FAM229B	cg19804071;cg17694848;cg2 6528298;cg07709205;cg2177 3633;cg10525372
1	151810886	151810904	1.64E-06	4	1.30E-10	3.09E-06	4/0	15.457211	C2CD4D- AS1;C2CD4 D	nc_exon;c ds	CpG: 122	0	island	ENSG00000159445;ENSG00000163141; ENSG00000143375;ENSG00000163191; ENSG00000143434;ENSG00000143416; ENSG00000159352;ENSG00000197915; ENSG00000234614	THEM4;BNIP1;CGN;S10 OA11;SEMA6C;SELENBP 1;PSMD4;HRNR;ENSGO 0000234614	cg15015892;cg05021743;cg1 0781408;cg04296699 cg02872426;cg06413398;cg0 0804078;cg07164639;cg1495 6327 cg01607932;cg14029912;cg1 8471664
6	110736771	110737053	8.45E-07	5	2.25E-09	3.41E-06	0/5	-16.98502	DDO;DDO	TSS+exon+ utr5;nc_ex on	CpG: 43	15141		ENSG00000155115;ENSG00000112394; ENSG00000203797;ENSG00000135587	GTF3C6;SLC16A10;DDO; SMPD2	cg0804078;cg07164639;cg1495 6327 cg01607932;cg14029912;cg1 8471664
3	5027596	5028143	0.0009699	3	4.83E-09	3.78E-06	0/3	-11.31458	BHLHE40	731 intergenic	CpG: 43	-266	shore	ENSG00000103202;ENSG00000131634; ENSG00000059145;ENSG00000196557; ENSG00000206053;ENSG00000076344; ENSG00000196674;ENSG00000005513; ENSG00000102854;ENSG00000180185	NME4;TMEM204;UNKL; CACNA1H;HN1L;RGS11; ENSG00000196674;SOX 8;MSLN;FAHD1	cg03123979;cg03630386;cg0 7773186;cg06557580;cg2692 3862;cg27128311
16	1041052	1041333	9.42E-06	6	2.65E-09	4.03E-06	0/6	-19.0142	SOX8	4073 intergenic	CpG: 29	0	island			

5	663638	664666	0.004686	7	1.17E-08	4.87E-06	0/7	-19.00593	TPPP	0	exon+utr3	CpG: 95	236	shore	ENSG000000171368;ENSG000000145506; TPPP;NKD2;PDCD6;SLC ENSG000000249915;ENSG000000066230; 9A3;LPCAT1;ENSG0000 ENSG000000153395;ENSG000000188242; 0188242;ENSG000000225 ENSG000000225138;ENSG000000268885; 138;ENSG000000268885; cg01969115;cg22936884;cg0 ENSG000000071539;ENSG000000188002; TRIP13;ENSG0000001880 9075149;cg14593418;cg0563 ENSG000000063438;ENSG000000206077; 02;AHRR;ZDHHC11B;SD 1486;cg01950495;cg1519188 ENSG000000073578 HA 7
12	120663811	120663824	1.78E-06	2	1.50E-10	4.93E-06	0/2	-9.973309	PXN;PXN	0;0	intron+utr 5;intron	CpG: 17	11868		ENSG000000183273;ENSG000000248008; ENSG000000135127;ENSG00000022840; CCDC60;DYNLL1- ENSG000000175970;ENSG000000089159; AS1;CCDC64;RNF10;UN ENSG000000088986;ENSG000000110917; C119B;PXN;DYNLL1;ML ENSG000000248636;ENSG000000089041; EC;ENSG000000248636;P ENSG000000111786;ENSG000000111775 2RX7;SRSF9;COX6A1 cg01015899;cg11696165
8	9182009	9182401	1.11E-05	3	4.54E-09	4.96E-06	01-Feb	-5.209661	LOC157273	-159	intergenic	CpG: 126	172656		ENSG000000173273;ENSG000000254153; TNKS;ENSG00000025415 ENSG000000104626;ENSG000000182319; 3;ERI1;ENSG0000001823 cg05718771;cg10120652;cg1 ENSG000000233609 19;ENSG000000233609 7371580
5	169815770	169816472	0.002731	4	8.44E-09	5.14E-06	0/4	-13.3824	KCNMB1;K CNIP1	0;0	TSS+intron +exon+utr 5;intron	CpG: 50	-114593		ENSG000000145936 KCNMB1 cg27044591;cg19502709;cg0 1495509;cg16317923
5	14406584	14406732	9.09E-06	3	2.00E-09	5.77E-06	0/3	-12.02706	TRIO;TRIO	0;0	intron+cds ;nc_intron +nc_exon	CpG: 39	-54398		cg14612133;cg26060817;cg0 4646987
17	75315080	75317185	1.12E-05	9	3.08E-08	6.25E-06	Feb-14	-35.29633	SEPT9;SEP T9;SEPT9	0;0;0	intron;TSS +intron+ut r5+cds;jintr on+utr5	CpG: 80	36908		cg03221483;cg07863022;cg0 9903452;cg04650676;cg0356 8017;cg07101841;cg0263392 4;cg25690715;cg25416067;cg ENSG000000070526;ENSG000000070731; ST6GALNAC1;ST6GALN ENSG000000078687;ENSG000000167895; AC2;TNRC6C;TMC8;TM 16366686;cg04452095;cg033 ENSG000000141524;ENSG000000129667; C6;RHBDF2;LINC00338; 30678;cg15401418;cg203054 ENSG000000234912;ENSG000000204282 TNRC6C-AS1 89;cg18271897;cg15661536
4	3254968	3255174	1.17E-05	4	3.18E-09	6.60E-06	0/4	-14.7068	MSANTD1	0	cds	CpG: 20	0	island	ENSG000000206113;ENS G000000248399;ENSG00 ENSG000000206113;ENSG000000248399; 000249428;SH3BP2;ENS ENSG000000249428;ENSG000000087266; G00000243894;NOP14;F ENSG000000243894;ENSG000000087269; AM86EP;ENSG000000261 cg26343761;cg27319971;cg2 ENSG000000251669;ENSG000000261643 643 5261181;cg05450563
17	48970356	48971001	0.003778	3	1.04E-08	6.90E-06	0/3	-11.10504	TOB1-AS1	24624	intergenic	CpG: 197	25413		ENSG00000006283;ENSG00000006282; CACNA1G;SPATA20;LR ENSG000000108829;ENSG000000108821; RC59;COL1A1;UTP18;EP ENSG000000011260;ENSG000000049283; N3;SGCA;SAMD14;ENS ENSG000000108823;ENSG000000167100; G00000248954;PPP1R9 cg00777445;cg19538115;cg0 ENSG000000248954;ENSG000000108819 B 1135464
7	151217574	151217961	0.0004477	5	7.27E-09	8.02E-06	0/5	-15.69032	RHEB	-593	intergenic	CpG: 188	0	island	ENSG000000181652;ENSG000000196329; ENSG000000106560;ENSG000000133561; ATG9B;GIMAP5;GIMAP cg22589161;cg03998173;cg2 ENSG000000179144;ENSG000000133574; 2;GIMAP6;GIMAP7;GIM 1134096;cg24531520;cg0660 ENSG000000213203 AP4;GIMAP1 3923 cg25274975;cg04388863;cg0 8404739
16	48269104	48269424	1.35E-05	3	6.39E-09	8.54E-06	0/3	-11.46802	ABCC11	-16	intergenic	CpG: 52	-8634		ENSG000000267848;ENSG000000125531; ENSG000000267848;C20 ENSG000000197457;ENSG000000125520; orf195;STMN3;SLC2A4R ENSG000000203883;ENSG000000196700; G;SOX18;ZNF512B;LINC ENSG000000196421;ENSG000000130584; 00176;ZBTB46;RTEL1- cg12713040;cg05116443;cg1 ENSG000000026036 TNFRSF6B 5457037
20	62562545	62562848	1.43E-05	3	6.93E-09	9.78E-06	0/3	-11.40471	DNAJC5	0	intron+cds	CpG: 28	0	island	

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9	136149907	136150032	1.94E-05	3	6.25E-09	2.14E-05	0/3	-11.60336	ABO	0	intron	CpG: 145	0	island	ENSG00000197859;ENSG00000148288; ENSG00000123453;ENSG00000160326; ENSG00000225756;ENSG00000148308; ENSG00000148291;ENSG00000148297; ENSG00000160271;ENSG00000160325; ENSG00000175164	ADAMTSL2;GBGT1;SAR DH;SLC2A6;DBH- AS1;GTF3C5;SURF2;ME D22;RALGDS;CACFD1;A BO	cg11879188;cg21160290;cg2 2535403
17	998503	998711	2.90E-05	2	1.08E-08	2.22E-05	0/2	-8.936097	ABR	0	intron	CpG: 122	-13133		ENSG00000167703;ENSG00000187624; ENSG00000179409;ENSG00000197879; ENSG00000272636;ENSG00000108953; ENSG00000177374	SLC43A2;C17orf97;GEM IN4;MYO1C;DOC2B;YW HAE;HIC1	cg20497635;cg02135245
10	81075011	81075492	2.04E-05	7	2.88E-08	2.56E-05	0/7	-19.47433	ZMIZ1	0	exon+utr3	CpG: 60	-31590		ENSG00000133678;ENSG00000122359; ENSG00000165424;ENSG00000108175; ENSG00000133661;ENSG00000108179; ENSG00000230091;ENSG00000151224	TMEM254;ANXA11;ZCC HC24;ZMIZ1;SFTPD;PPI F;TMEM254- AS1;MAT1A	cg10313149;cg15733068;cg2 4752964;cg19666787;cg0370 7696;cg13676902;cg2630078 5
3	42265640	42265749	2.31E-05	3	7.74E-09	3.03E-05	0/3	-11.60288	TRAK1;TRA K1	nc_exon;e xon+utr3	CpG: 33	21269			ENSG00000182606;ENSG00000144649; ENSG00000114853;ENSG00000168038; ENSG00000173811;ENSG00000230970; ENSG00000182983;ENSG00000244607; ENSG0000010282	TRAK1;FAM198A;ZBTB4 7;ULK4;CCDC13- AS1;HHATL- AS1;ZNF662;CCDC13;H HATL	cg18812386;cg14623735;cg0 7365452
11	129980477	129980529	1.29E-05	3	3.71E-09	3.05E-05	0/3	-11.76921	APLP2;APL P2	nc_intron; cds	CpG: 23	-12995			ENSG00000151715;ENSG00000134909; ENSG00000255455;ENSG00000120451; ENSG00000175773;ENSG00000043039	NSG00000255455;SNX1 9;ENSG00000175773;BA RX2	cg06107796;cg23855986;cg1 6220743
14	31484467	31484496	9.42E-06	2	2.24E-09	3.29E-05	0/2	-9.317536	STRN3	0	intron	CpG: 113	-10298		ENSG00000151413;ENSG00000129493; ENSG00000092148;ENSG00000257831; ENSG00000092108;ENSG00000100478	NUBPL;HEATR5A;HECT D1;ENSG00000257831;S CFD1;AP451	cg08274139;cg10195619
15	74290465	74290733	3.80E-05	3	2.36E-08	3.76E-05	0/3	-11.01371	PML	0	cds	CpG: 31	0	island	ENSG00000140497;ENSG00000178741; ENSG00000129009;ENSG00000178718	SCAMP2;COX5A;ISLR;R PP25	cg15038331;cg01180441;cg1 8136895
21	43816085	43816355	3.92E-05	3	2.48E-08	3.92E-05	0/3	-11.00689	TMPRSS3;T MPRSS3	nc_exon;T SS+exon+u tr5	CpG: 37	89769			ENSG00000160183;ENSG00000160190; ENSG00000160180;ENSG00000160188; ENSG00000225431;ENSG00000184012; ENSG00000227702;ENSG00000237989; ENSG00000184385	TMPRSS3;SLC37A1;TFF3 ;RSPH1;ENSG000002254 31;TMPRSS2;LINCO0111 ;ENSG00000237989;C21 orf128	cg01214847;cg18500968;cg2 5608949 cg12914965;cg26569295
2	238536838	238536869	1.12E-05	2	2.93E-09	4.04E-05	0/2	-9.239725	LRRFIP1	0	intron	CpG: 123	0	island			
11	58389986	58390406	0.0022	4	4.84E-08	4.93E-05	02-Feb	-1.484645	ZFP91- CNTF;CNT F	nc_intron+ nc_exon;T SS+intron+ utr5+cds	CpG: 138	42665					cg10672108;cg05921232;cg2 6411814;cg26229648
5	964195	964654	0.009095	4	5.35E-08	4.98E-05	4/0	12.725654	LOC100506 688	22637	intergenic	CpG: 32	5023		ENSG00000171368;ENSG00000145506; ENSG00000249915;ENSG00000153395; ENSG00000071539;ENSG00000206077; ENSG00000063438;ENSG00000188002; ENSG00000188818	TPPP;NKD2;PDCD6;LPC AT1;TRIP13;ZDHHC11B; AHRR;ENSG0000018800 2;ZDHHC11	cg11697194;cg25578949;cg0 5017994;cg16005592
6	32014147	32014893	0.0001426	12	8.82E-08	5.05E-05	0/12	-28.17966	TNXB	0	intron+cds	CpG: 22	-31922		ENSG00000244731;ENSG00000227507; ENSG00000213654;ENSG00000204252; ENSG00000237541;ENSG00000204257; ENSG00000206337;ENSG00000204267; ENSG00000242574;ENSG00000168394; ENSG00000204261;ENSG00000204482; ENSG00000204287;ENSG00000234745; ENSG00000240065;ENSG00000204315	C4A;LTB;GPSM3;HLA- DOA;HLA-DQA2;HLA- DMA;HCP5;TAP2;HLA- DMB;TAP1;TAPSAR1;LS T1;HLA-DRA;HLA- B;PSMB9;FKBP	cg06824720;cg16385684;cg0 4182226;cg22616343;cg1340 9674;cg14630748;cg0748188 6;cg09115485;cg09423875;cg 08972588;cg25375757;cg074 41854
1	16346119	16346434	5.82E-05	4	3.77E-08	5.12E-05	0/4	-13.20362	HSPB7	-30	intergenic	CpG: 72	43447		ENSG00000116138;ENSG00000142621; ENSG00000132881;ENSG00000189337; ENSG00000228140;ENSG00000142632; ENSG00000116809;ENSG00000238142	DNAJC16;FHAD1;RSG1; KAZN;ENSG0000022814 0;ARHGEF19;ZBTB17;EN SG00000238142	cg13048591;cg03260781;cg0 0261668;cg06521827

22	19279881	19280165	5.19E-05	3	3.60E-08	5.42E-05	0/3	-10.85976	CLTCL1	-639	intergenic	CpG: 88	308	shore	ENSG00000099901;ENSG00000184113; RANBP1;CLDN5;UFD1L; ENSG00000070010;ENSG00000185608 MRPL40	cg14755831;cg25970491;cg07251788 cg09817162;cg05180451;cg10279314;cg09395805;cg07555084
6	27185675	27186199	0.0004852	5	7.02E-08	5.72E-05	0/5	-14.70623	PRSS16	-29280	intergenic	CpG: 83	-32593			
10	97200910	97201172	5.66E-05	4	3.59E-08	5.86E-05	0/4	-13.2626	SORBS1;S ORBS1	0;0	TSS+exon+ utr5;intron +exon+utr 5 intron+cds ;cds	CpG: 80	-119252		ENSG00000138185;ENSG00000226688; ENTPD1;ENTPD1- ENSG00000095637;ENSG00000269948; AS1;SORBS1;ENSG0000 ENSG00000173088;ENSG00000234026; 0269948;C10orf131;ENS ENSG00000059573;ENSG00000119969; G00000234026;ALDH18 ENSG00000138115 A1;HELLS;CYP2C8 ENSG00000105289;ENSG00000105426; cg11028075;cg25097946;cg2 ENSG00000179855 TJP3;PTPRS;GIPC3 5421530;cg03190891 cg00341885;cg24015747;cg24918184 cg21585409;cg21764632;cg02667577;cg04153882;cg02665297	
19	4323033	4323200	5.41E-05	3	2.47E-08	6.33E-05	0/3	-11.15819	FSD1;FSD1	0;0		CpG: 23	0	island	ENSG00000164916;ENSG00000182095; FOXK1;TNRC18;SDK1;E ENSG00000146555;ENSG00000230733 NSG00000230733	
7	5270511	5270984	0.001764	5	7.81E-08	7.06E-05	04-Jan	13.90962	WIPI2		0 utr3+cds intron+utr	CpG: 30	2401	shore		
8	131439811	131440305	0.005987	2	8.43E-08	7.29E-05	2/0	8.1236127	ASAP1		0 5	CpG: 126	-14943			cg06821010;cg11737318
2	236443438	236444021	0.001366	6	1.01E-07	7.43E-05	0/6	-16.50096	AGAP1		0 intron	CpG: 17	0	island	ENSG00000132321 IQCA1	cg26182780;cg06430772;cg01080600;cg00059854;cg25161429;cg06715167
16	8806358	8807043	0.004122	13	1.20E-07	7.47E-05	13/0	29.645336	ABAT;ABA T	0;0	TSS+exon+ utr5;intron +utr5	CpG: 45	37739		ENSG00000183044 ABAT	cg07336964;cg01881182;cg16586594;cg26778345;cg08241330;cg08834902;cg00231389;cg00220102;cg04332619;cg01221157;cg10292855;cg05372963;cg26915924
5	160334	160518	7.17E-05	2	3.54E-08	8.22E-05	0/2	-8.564837	PLEKHG4B		0 intron	CpG: 133	-4192		ENSG00000071539;ENSG00000145506; ENSG00000221990;ENSG00000063438; TRIP13;NKD2;C5orf55;A ENSG00000225138;ENSG00000153404; HRR;ENSG00000225138; ENSG00000171368 PLEKHG4B;TPPP	cg26612409;cg09444426
6	16239573	16239799	8.38E-05	2	4.39E-08	8.31E-05	0/2	-8.603061	GMPR		0 intron	CpG: 55	342	shore	ENSG00000137198;ENSG00000230873 GMPR;STMND1	cg10768391;cg20001791
6	31544693	31545473	0.007629	8	1.57E-07	8.60E-05	9/0	21.709886	TNF		intron+utr 0 3+cds	CpG: 75	-2963	shore	ENSG00000206337;ENSG00000234745; ENSG00000204569;ENSG00000146112; ENSG00000204287;ENSG00000204525; HCP5;HLA- ENSG00000204516;ENSG00000204389; B;PPP1R10;PPP1R18;HL ENSG00000227507;ENSG00000204536; A-DRA;HLA- cg17741993;cg01360627;cg2 ENSG00000137411;ENSG00000166278; C;MICB;HSPA1A;LTB;CC 3384708;cg20477259;cg0963 ENSG00000204580;ENSG00000204385; HCR1;VAR52;C2;DDR1;S 7172;cg05952498;cg1598960 ENSG00000204438 LC4A44;GPANK1 8;cg26736341;cg04472685	
1	230457630	230457979	0.002775	4	7.91E-08	9.68E-05	0/4	-12.67328	PGBD5		0 exon+utr3	CpG: 25	-10525		FAM83H- AS1;ARHGAP39	cg09938881;cg04095826;cg05266497;cg03347632 cg13257436;cg00533182;cg17574911
8	145726033	145726688	0.008203	3	1.52E-07	9.89E-05	0/3	-10.127	PPP1R16A		0 intron+cds intron+utr	CpG: 113	0	island	ENSG00000203499;ENSG00000147799	
3	3843810	3843887	4.39E-05	2	1.83E-08	0.0001014	0/2	-8.724946	LRRN1		0 5	CpG: 188	1038	shore	ENSG00000091181;ENSG00000175928 IL5RA;LRRN1	cg23479065;cg09623845
17	78873698	78873754	3.84E-05	2	1.53E-08	0.0001166	0/2	-8.786128	RPTOR		0 intron	CpG: 40	3255		ENSG00000141519;ENSG00000185813; CCDC40;PCYT2;BAIAP2- ENSG00000226137;ENSG00000263069; AS1;ENSG00000263069; ENSG00000141577;ENSG00000185168; AZ1;LINCO0482;BAIAP2 ENSG00000175866;ENSG00000183048 ;SLC25A10	cg16780847;cg10880603 cg22041417;cg27174787;cg22546122;cg22270364;cg09926488;cg21658153;cg24870662
19	16178194	16179321	0.002761	7	3.09E-07	0.0001172	0/7	-17.72987	TPM4		TSS+intron 0 +utr5+cds	CpG: 18	0	island	ENSG00000105122;ENSG00000196684; RASAL3;HSH2D;NWD1; ENSG00000188039;ENSG00000105137; SYDE1;ENSG000002672 ENSG00000267275;ENSG00000072958 75;AP1M1	

[illegible]

17	73719692	73720840	0.01365	6	5.42E-07	0.0002018	0/7	ITGB4;ITGB	TSS+utr5+c ds;intron+ utr5+cds	CpG: 91	1845	shore	ENSG00000204323;ENSG00000092929; ENSG00000170190;ENSG00000070731; ENSG00000161513;ENSG00000073350; ENSG00000267128;ENSG00000167862; SMIM5;UNC13D;SLC16 ENSG00000161542;ENSG00000176170; A5;ST6GALNAC2;FDXR; ENSG00000070526;ENSG00000125445; LLGL2;RNF157- ENSG00000141569;ENSG00000109062; AS1;ICT1;PRPSAP1;SPH ENSG00000108479;ENSG00000189159; K1;ST6GALNAC1;MRP5 ENSG00000177303;ENSG00000167863; 7;TRIM65;SLC9A3R1;GA cg27346988;cg18326022;cg2 ENSG00000266714;ENSG00000182534; LK1;HN1;CASKIN2;ATP5 0667796;cg18709893;cg0019 ENSG00000161544;ENSG00000259120; H;MYO15B;MXRA7;CYG 6660;cg22504104;cg1570085 ENSG00000167861;ENSG00000185262 B;SMIM6;HID1;UBALD2 0
20	31870774	31871352	0.004122	6	2.87E-07	0.0002122	0/6	BPIFB1	TSS+intron +exon+utr	CpG: 30	-117792		ENSG00000125999;ENSG00000078898; ENSG00000101350;ENSG00000078699; BPIFB1;BPIFB2;KIF3B;C ENSG00000101400;ENSG00000149600; BFA2T2;SNTA1;COMM cg19378216;cg03033543;cg1 ENSG00000198183;ENSG00000088305; D7;BPIFA1;DNMT3B;EN 6762308;cg11035100;cg0834 ENSG00000260257 SG00000260257 6127;cg22789545
7	921091	921156	6.64E-05	2	3.25E-08	0.0002133	0/2	GET4	0 intron	CpG: 22	3232		ENSG00000164818;ENSG00000230487; HEATR2;PSMG3- ENSG00000164828;ENSG00000177706; AS1;SUN1;FAM20C;PD ENSG00000197461;ENSG0000002822; GFA;MAD1L1;ENSG000 ENSG00000242474;ENSG00000225968; 00242474;ELFN1;ENSG0 ENSG00000249852;ENSG00000188191; 0000249852;PRKAR1B;P ENSG00000157778 SMG3 cg23397909;cg20776543
21	43442026	43442254	0.0001791	4	1.19E-07	0.000223	01-Mar	ZNF295- AS1;ZNF29	nc_exon;n c_intron	CpG: 249	10537		ENSG00000160188;ENSG00000160183; RSPH1;TMPRSS3;C21orf ENSG00000184385;ENSG00000237232; 128;ZNF295- ENSG00000225431;ENSG00000236384; AS1;ENSG00000225431; ENSG00000160190;ENSG00000177398; LINCO0479;SLC37A1;UM ENSG00000227702;ENSG00000160179; ODL1;UNC00111;ABCG ENSG00000183844;ENSG00000235772; 1;FAM3B;ENSG0000023 ENSG00000160180;ENSG00000160191; 5772;TF3;PDE9A;TMPR ENSG00000184012;ENSG00000157617; S52;C2CD2;WDR4;UBAS cg23736024;cg02518824;cg2 ENSG00000160193;ENSG00000160185 H3A 3711422;cg10569414
5	148758846	148759090	0.0002169	6	1.49E-07	0.0002602	0/6	IL17B;IL17	TSS+exon+ utr5;intron +utr5	CpG: 52	21082		ENSG00000249669;ENSG00000269936; ENSG00000208035;ENSG00000253864; MIR143HG;MIR145;MIR ENSG00000155846;ENSG00000183111; 143;ENSG00000253864; ENSG00000169252;ENSG00000113716; PPARGC1B;ARHGEF37; cg01579636;cg01202296;cg0 ENSG00000183876;ENSG00000173210; ADRB2;HMGXB3;ARSI;A 5860978;cg26599373;cg0387 ENSG00000113721;ENSG00000070814 BLIM3;PDGFRB;TCOF1 6697;cg25141490
3	120401057	120401095	5.23E-05	2	2.35E-08	0.0002643	0/2	HGD	TSS+exon+ 0 utr5	CpG: 49	85567		ENSG00000113924;ENSG00000183833; ENSG00000175697;ENSG00000051341; HGD;MAATS1;GPR156; ENSG00000173230;ENSG00000145087; POLQ;GOLGB1;STXBPL ENSG00000163833;ENSG00000163430 ;FBXO40;FSTL1 cg04546097;cg14527029 ENSG00000130396;ENSG00000228648; MLT4;ENSG000002286 ENSG00000213066 48;FGFR1OP cg06757935;cg27203351
6	167709236	167709720	0.009693	2	3.02E-07	0.0002666	01-Jan	UNC93A	0 intron+cds intron+ex on+utr3;in tron	CpG: 50 CpG: 38	-54802		cg20276962;cg04164924;cg0 2528319;cg22950111 cg03126567;cg08866665;cg2 3143090
1	243651345	243651920	0.0004749	4	3.84E-07	0.0002856	0/4	AKT3;SDCC AG8	0,0	CpG: 38		0 island	
6	169689772	169689939	0.000176	3	1.13E-07	0.0002886	0/3	THBS2	-35563 intergenic	CpG: 42	40725		ENSG00000112562 SMOC2
8	1982914	1983405	0.0003392	4	3.48E-07	0.0003029	01-Mar	MYOM2	-9755 intergenic	CpG: 37	10508		ENSG00000104728;ENSG00000182372; ARHGEF10;CLN8;K8TBD ENSG00000176595 11 cg08597799;cg08008144;cg0 ENSG00000063015;ENSG00000160606; 2612228;cg14257773
17	27507916	27508027	0.0001386	2	8.10E-08	0.0003119	0/2	MYO18A	-509 intergenic	CpG: 74	309	shore	ENSG00000076604 SEZ6;TLCD1;TRAF4 cg20142309;cg17129576



															ENSG000000047578;ENSG000000169189; ENSG00000155666;ENSG00000077238; ENSG00000077235;ENSG00000198156; ENSG00000245888;ENSG00000188322; ENSG00000261329	KIAA0556;NSMCE1;KD M8;IL4R;GTF3C1;NPIPB 6;ENSG00000245888;SB K1;ENSG00000261329	cg02840535;cg26620747
16	27523173	27523214	6.40E-05	2	3.10E-08	0.0003228	0/2	-8.578262	GTF3C1	0	cds	CpG: 59	-37765		ENSG00000206337;ENSG00000204389; ENSG00000204385;ENSG00000213719; ENSG00000204301;ENSG00000204356; ENSG00000204308;ENSG00000168477; ENSG00000204420;ENSG00000204296; ENSG00000213722;ENSG00000204264; ENSG00000204463;ENSG00000204396; ENSG00000204315;ENSG00000227507; ENSG00000243649;ENSG00000240065; ENSG00000204261;ENSG00000168394; ENSG00000237541;ENSG00000242574; ENSG00000204287;ENSG00000232629; ENSG00000204390	HCP5;HSPA1A;SLC44A4 ;CLIC1;NOTCH4;NELFE; RNFS;TNXB;C6orf25;C6 orf10;DDAH2;PSMB8;B AG6;VWA7;FKBP1;LTB; CFB;PSMB9;TAP5AR1;T AP1;HLA-DQA2;HLA- DMB;HLA-DRA;HLA- DQB2;HSPA1L	cg22670819;cg07421596;cg0 6060835;cg08956226;cg0494 5153;cg21092021;cg1733574 1;cg17741572
6	31913758	31914305	0.0008615	8	4.21E-07	0.0003287	0/8	-19.52028	CFB	0	intron+utr 5+cds	CpG: 52	-12184		ENSG00000120094;ENSG00000263142; ENSG00000159199;ENSG00000159111	HOXB1;LRRC37A17P;AT P5G1;MRPL10	cg03569507;cg21384971;cg2 4389730;cg10382221;cg0509 6161;cg06598332
17	46114236	46114811	0.005169	6	4.50E-07	0.0003342	0/6	-16.34538	COP22;MI R152	0;0	intron+cds ;nc_gene	CpG: 44	0	island	ENSG00000182963;ENSG00000005102; ENSG00000267002;ENSG00000161647; ENSG00000131095;ENSG00000186566; ENSG0000012048;ENSG00000108852; ENSG00000180340;ENSG00000136448; ENSG00000161653;ENSG00000175832; ENSG00000267505;ENSG00000267595; ENSG00000108312;ENSG00000108828	GJC1;MEOX1;ENSG0000 0267002;MPP3;GFAP;G PATCH8;BRCA1;MPP2;F ZD2;NMT1;NAGS;ETV4; ENSG00000267505;ENS G00000267595;UBTF;VA T1	cg14883190;cg12240637
17	42146186	42146261	0.0001065	2	5.88E-08	0.0003351	0/2	-8.401502	LSM12	-1199	intergenic	CpG: 50	-1664	shore	ENSG00000013810;ENSG00000131127; ENSG00000214367;ENSG00000168924; ENSG00000249784;ENSG00000109685; ENSG00000196810;ENSG00000163950; ENSG00000272588;ENSG00000159733	TACC3;ZNF141;HAUS3;L ETM1;SCARNA22;WHSC 1;CTBP1- AS2;SLBP;ENSG0000027 2588;ZFVVE28	cg21326139;cg24597363;cg2 3447233;cg21167046
4	1294782	1295078	0.0002111	4	2.48E-07	0.0003586	0/4	-12.33541	MAEA;MA EA	0;0	nc_intron;i ntron	CpG: 26	-8412		ENSG00000179902;ENSG00000134202; ENSG00000134201;ENSG00000224699; ENSG00000143093;ENSG00000184371; ENSG00000116396;ENSG00000143126; ENSG00000162650;ENSG00000085433; ENSG00000168765;ENSG00000121957; ENSG00000134243;ENSG00000258634; ENSG00000121940;ENSG00000143106; ENSG00000143028;ENSG00000031698; ENSG00000270066;ENSG00000177301; ENSG00000134248;ENSG00000134222; ENSG00000181754	C1orf194;GSTM3;GSTM 5;LAMTOR5- AS1;STRIP1;CSF1;KCNC 4;CELSR2;ATXN7L2;WD R47;GSTM4;GPSM2;SO RT1;ENSG00000258634; CLCC1;PSMA5;SYPL2;SA RS;SCARNA2;KCNA2;LA MTOR5;PSRC1;AMIGO1	cg00515905;cg00491404;cg0 3956353
1	110306506	110306642	0.0001791	3	1.19E-07	0.000374	0/3	-10.67505	EPS8L3	0	exon+utr5	CpG: 93	23200		ENSG00000167799;ENSG00000254986; ENSG00000132746;ENSG00000175463; ENSG00000172508;ENSG00000084207	NUDT8;DPP3;ALDH3B2; TBC1D10C;CARNS1;GST P1	cg16225405;cg14096180;cg0 5357039;cg12472597;cg1847 6530;cg16788099;cg1303724 5;cg18101140;cg11169848
11	67141421	67142030	0.0005884	9	5.72E-07	0.0004015	0/9	-21.41855	LOC100130 987;CLCF1	0;0	nc_intron; TSS+intron +exon+utr 5	CpG: 105	275	shore	ENSG00000100060;ENSG00000128346; ENSG00000100311;ENSG00000100097; ENSG00000239713	MFNG;C22orf23;PDGFB ;LGALS1;APOBEC3G	cg14995562;cg26449680;cg1 9781870;cg06748147;cg1014 2237;cg01441777;cg0731331 9;cg06991495
22	38714165	38714466	0.0003094	8	2.92E-07	0.0004149	0/8	-20.53398	TPTEP2- CSNK1E	0	intron+utr 5	CpG: 57	832	shore	ENSG00000100311;ENSG00000100097; ENSG00000239713	MFNG;C22orf23;PDGFB ;LGALS1;APOBEC3G	

17	79816503	79816559	0.0001024	2	5.56E-08	0.0004242	0/2	-8.413874	P4HB	0	intron	CpG: 113	-1671	shore	ENSG000000185269;ENSG000000185332; ENSG000000185168;ENSG000000183010; ENSG000000141580;ENSG000000185624; ENSG000000182446;ENSG000000185813; ENSG000000169683	NOTUM;TMEM105;LINC 00482;PYCR1;WDR45B; P4HB;NPLOC4;PCYT2;L RRC45	cg19420720;cg11969813
1	153413640	153413940	5.66E-05	4	3.06E-07	0.0004362	0/4	-12.42126	S100A7	16279	intergenic intron+utr	CpG: 40	-94484		ENSG000000143515;ENSG000000169418; ENSG000000143614;ENSG000000143543; ENSG000000197956;ENSG000000143621; ENSG000000143578;ENSG000000198837; ENSG000000143624;ENSG000000143554; ENSG000000143612;ENSG000000160741; ENSG000000143553;ENSG000000188015; ENSG000000143575;ENSG000000223599	ATP8B2;NPR1;GATAD2 B;JTB;S100A6;ILF2;CREB 3L4;DENND4B;INTS3;SL C27A3;C1orf43;CRTC2;S NAPIN;S100A3;HAX1;E NSG000000223599	cg13356175;cg27441409;cg0 5400869;cg03261155 cg11087049;cg10169539;cg1 2812165
14	51296585	51296728	0.0002281	3	1.61E-07	0.0004812	0/3	-10.54417	NIN	0	5	CpG: 184	0	island			
14	91818496	91818668	0.0002658	3	1.97E-07	0.0004897	0/3	-10.52711	CCDC88C	0	intron	CpG: 28	48077		ENSG000000198668;ENSG000000100784; ENSG000000015133;ENSG000000119714; ENSG000000165929;ENSG000000260711; ENSG000000183648	CALM1;RPS6KA5;CCDC 88C;GPR68;TC2N;ENSG 00000260711;NDUFB1	cg22971029;cg10946510;cg0 1055824
3	48677327	48677773	0.0003801	4	5.32E-07	0.0005094	4/0	11.990838	CELSR3	0	cds	CpG: 27	0	island	ENSG000000185909;ENSG000000172037; ENSG000000164061;ENSG000000047849; ENSG000000114316;ENSG000000145040; ENSG000000225697;ENSG000000114270; ENSG000000114302	KLHDC88;LAMB2;BSN; MAP4;USP4;UCN2;SLC2 6A6;COL7A1;PRKAR2A	cg05876340;cg19830849;cg0 8063452;cg15320272
19	13054426	13054718	0.0002281	4	3.51E-07	0.0005143	01-Mar	-8.744435	CALR	0	intron+cds	CpG: 73	-1740	shore	ENSG00000008441;ENSG000000132000; ENSG000000267610;ENSG000000160877; ENSG000000196646;ENSG000000104915; ENSG000000104903	NFIX;PODNL1;ENSG000 00267610;NACC1;ZNF1 36;STX10;LYL1	cg04334723;cg25605731;cg1 3466180;cg22625098
19	14552012	14552350	3.30E-05	5	4.13E-07	0.0005223	5/0	14.533009	PKN1	0	intron+cds	CpG: 23	0	island	ENSG000000132000;ENSG000000105137; ENSG000000123146;ENSG000000141854; ENSG000000074181;ENSG000000131355; ENSG000000132016	PODNL1;SYDE1;CD97;E NSG000000141854;NOTC H3;EMR3;C19orf57	cg00159799;cg25590335;cg0 8514957;cg06564132;cg1396 4781
19	41782098	41782183	0.0001668	3	1.05E-07	0.0005278	0/3	-10.71914	HNRNPUL1	0	cds	CpG: 108	10985		ENSG000000123815;ENSG000000170956; ENSG000000167601;ENSG000000160570; ENSG000000090006;ENSG000000105223; ENSG000000105227;ENSG000000105737; ENSG000000086548	ADCK4;CEACAM3;AXL; DEDD2;LTBP4;PLD3;PRX ;GRIK5;CEACAM6	cg01338474;cg22840076;cg1 1313468
22	24199007	24199125	0.0002309	3	1.65E-07	0.0005968	0/3	-10.50444	SLC2A11;S LC2A11	0	exon+utr5; nc_exon	CpG: 98	0	island	ENSG000000099998;ENSG000000178026; ENSG000000187792	GGT5;FAM211B;ZNF70	cg26133068;cg13824156;cg2 1495622
7	1606265	1606526	0.01961	2	3.73E-07	0.0006103	0/2	-7.697984	PSMG3	443	intergenic	CpG: 60	-3042		ENSG000000106012;ENSG000000164828; ENSG000000164818;ENSG000000002822; ENSG000000230487;ENSG000000157778; ENSG000000225968;ENSG000000188191; ENSG000000073067;ENSG000000164849; ENSG000000136213	IQCE;SUN1;HEATR2;MA D1L1;PSMG3- AS1;PSMG3;ELFN1;PRK AR18;CYP2W1;GPR146; CHST12	cg01547654;cg14228177 cg05602642;cg24157349;cg1 8614510
22	47081633	47081903	0.0003364	3	3.87E-07	0.0006131	0/3	-10.05588	CERK	0	exon+utr3	CpG: 24	0	island	ENSG000000075234	TTC38	
1	153362926	153363489	0.001465	4	8.56E-07	0.0006498	0/4	-11.68109	S100A8;S1 00A8;S100 A8	0	intron+cds ;intron+utr 5+cds;TSS+ intron+utr 5+cds	CpG: 40	-144935		ENSG000000169418;ENSG000000163263; ENSG000000143543;ENSG000000143578; ENSG000000143515;ENSG000000189171; ENSG000000197956;ENSG000000143612; ENSG000000143614;ENSG000000143621; ENSG000000163220;ENSG000000143546	NPR1;C1orf189;JTB;CRE B3L4;ATP8B2;S100A13; S100A6;C1orf43;GATAD 2B;ILF2;S100A9;S100A8	cg01431057;cg20256009;cg2 0335425;cg20070090

17	32690254	32690412	0.0009036	3	2.45E-07	0.0006635	0/3	-10.35584	CCL1	-2	intergenic	CpG: 29	205974	ENSG000000108691;ENSG000000005156; ENSG000000166750;ENSG000000092871; ENSG000000141161	CCL2;UG3;SLFN5;RFFL; UNC45B	cg01387036;cg22186223;cg2 6101277	
15	58723656	58724041	0.0004839	4	6.04E-07	0.0006708	03-Jan	4.5400303	LIPC	-148	intergenic	CpG: 114	-317040	ENSG000000157470;ENSG000000157483; ENSG000000128849;ENSG000000103569; ENSG000000157456;ENSG000000259732	FAM81A;MYO1E;CGNL1 ;AQP9;CCNB2;ENSG000 00259732	cg16391792;cg01733599;cg0 8441822;cg02952984	
22	45072454	45072724	0.0004001	4	4.47E-07	0.0007078	0/4	-12.24624	PRR5;PRR5	0;0	intron+utr 5;TSS+exo n+utr5	CpG: 71	7362	ENSG000000230922;ENSG00000093000; ENSG000000226328;ENSG00000077942; ENSG000000238120;ENSG000000128408; ENSG000000188677	ENSG000000230922;NUP 50;ENSG000000226328;F BLN1;ENSG00000023812 0;RIBC2;PARVB	cg24019054;cg20339720;cg1 6166559;cg06849477	
10	43866965	43867155	0.0003801	7	3.20E-07	0.00072	0/7	-18.72609	FXD4	0	TSS+intron +exon+utr 5	CpG: 57	8760	ENSG000000198915;ENSG000000107562; ENSG000000196793;ENSG000000234420; ENSG000000169813;ENSG000000196693; ENSG000000243660;ENSG000000169826; ENSG000000236114	RASGEF1A;CXCL12;ZNF 239;ZNF37BP;HNRNPF; ZNF338;ZNF487;CSGAL ;NACT2;ENSG0000002361 14	cg24294544;cg22992966;cg0 3687765;cg00827318;cg2508 1201;cg06162324;cg1261916 2	
8	143780433	143780576	0.000313	2	2.45E-07	0.000731	2/0	7.9910835	LY6K	-952	intergenic	CpG: 92	-1005	shore	cg00499248;cg10100256 cg11556559;cg05694563;cg1 8173263;cg02625024;cg2254 2139		
17	17465161	17465476	0.0002494	5	5.48E-07	0.0007432	0/5	-14.2318	PEMT	0	intron	CpG: 19	0	island	ENSG000000171962;ENSG000000232344; ENSG000000171953	LRRC48;ENSG000000232 344;ATPAF2	
3	11058835	11059050	0.0004261	6	3.82E-07	0.0007587	6/0	16.666414	SLC6A1- AS1;SLC6A 1;SLC6A1	0;0;0	nc_intron; utr5+cds;ji ntron+exo n+utr5	CpG: 19	0	island	ENSG000000254999;ENSG000000240288; ENSG000000144559;ENSG000000197548	BRK1;GHRLOS;TAMM41 ;ATG7	cg21611775;cg12296552;cg1 4673267;cg20241270;cg1388 9508;cg13418710 cg10600701;cg21545313;cg2 0203114
3	169381938	169382106	0.0003832	3	3.26E-07	0.0008298	3/0	10.284019	MECOM	-375	intergenic	CpG: 144	882	shore	ENSG000000157778;ENSG000000164849; ENSG000000225968;ENSG000000122687; ENSG000000136213;ENSG000000188191; ENSG000000164850	PSMG3;GPR146;ELFN1; FTSJ2;CHST12;PRKAR1B ;GPER1	cg03103944;cg07708686;cg1 5258156;cg21593345
7	1601984	1602273	0.0004819	4	5.94E-07	0.0008775	4/0	12.070763	PSMG3	4696	intergenic	CpG: 60	-7295		ENSG000000172935;ENSG000000172508; ENSG000000254856;ENSG00000006534; ENSG000000175463;ENSG000000110697; ENSG000000110057;ENSG000000255306; ENSG000000084207	MRGPRF;CARNS1;NDU FA3P2;ALDH3B1;TBC1D 10C;PITPNM1;UNC93B1 ;ENSG000000255306;GST P1	cg05620821;cg00414166;cg1 5322932;cg26833538;cg2439 0938;cg14871333;cg0233130 3;cg07730301
11	67777617	67777952	0.0005564	8	7.55E-07	0.0009625	0/8	-20.08357	ALDH3B1; ALDH3B1	0;0	TSS+intron +exon+utr 5;intron+u tr5	CpG: 119	5988		cg09993145;cg07801894;cg1 4425908;cg12459932;cg2391 6689;cg11585280;cg0603769 3;cg16529592;cg19774846;cg 13898430		
1	25291904	25292274	0.0005537	10	8.39E-07	0.0009686	10/0	23.515001	RUNX3	-403	intergenic	CpG: 311	32899	ENSG00000020633;ENSG000000182749; ENSG000000142677	RUNX3;PAQR7;IL22RA1	13898430	
16	4845284	4845708	0.01817	3	9.66E-07	0.000973	0/3	-9.621666	MIM22 SMIM22;S	0;0	TSS+intron +exon+utr 5;intron+u tr5	CpG: 97	-6409	ENSG000000166246;ENSG000000089486; ENSG000000140632;ENSG000000267795; ENSG000000153446;ENSG000000126603; ENSG000000185739;ENSG000000262246; ENSG000000103184;ENSG000000005339; ENSG000000168101;ENSG000000090447; ENSG000000266994;ENSG000000067836	C16orf71;CDIP1;GLYR1; SMIM22;C16orf89;GLIS 2;SRL;CORO7;SEC14L5; CREBBP;NUDT16L1;TFA P4;ENSG000000266994;R OGDI	cg07773582;cg08271443;cg0 1861131	
1	36563429	36563557	0.0003692	2	3.01E-07	0.001003	0/2	-7.930324	COL8A2	0	cds	CpG: 78	8474	ENSG000000092850;ENSG000000116885; ENSG000000116863;ENSG000000232862; ENSG000000142686;ENSG000000163873; ENSG000000116871;ENSG000000201448; ENSG000000142687;ENSG000000054118; ENSG000000196182;ENSG000000171812; ENSG000000126070;ENSG000000116898	TEKT2;OSCP1;ADPRHL2 ;ENSG000000232862;C1o rf216;GRIK3;MAP7D1;E NSG000000201448;KIAA 0319L;THRAP3;STK40;C OL8A2;AGO3;MRPS15	cg08264297;cg17428913	

3	58652345	58653196	0.01178	3	2.11E-06	0.001058	0/4	-11.19377	FAM3D	TSS+exon+ 0 utr5	CpG: 48	79442	ENSG000000163684;ENSG000000163689; ENSG000000242428;ENSG000000174839; ENSG000000163686;ENSG000000136068; ENSG000000198643	RPP14;C3orf67;ENSG00 000242428;DENND6A;A BHD6;FLNB;FAM3D	cg02194211;cg24121168;cg2 1770617;cg26334888 cg24201034;cg22050253;cg0
4	77507245	77507651	0.0004023	5	1.01E-06	0.001066	0/5	-13.90763	SHROOM3	0 intron	CpG: 23	0 island	ENSG000000186212;ENSG000000138771; ENSG000000138744;ENSG000000189157	SOWAHB;SHROOM3;N AAA;FAM47E	4127765;cg18628449;cg1748 4699
10	71087833	71088038	0.0005351	4	5.35E-07	0.001114	0/4	-12.17957	HK1;HK1	intron+utr 5;intron	CpG: 155	8456	ENSG000000138336;ENSG000000197467; ENSG000000099282;ENSG000000260400	TET1;COL13A1;TSPAN1 5;ENSG000000260400	cg06834661;cg08567142;cg1 3763181;cg19170991
17	7287270	7287740	0.0005621	4	1.23E-06	0.001117	4/0	11.59496	TNK1	0 intron+cds	CpG: 69	0 island	ENSG000000181885;ENSG000000262943; ENSG000000072818;ENSG000000161940; ENSG000000132514;ENSG000000178971; ENSG000000129195;ENSG00000004975; ENSG000000252835;ENSG00000072778	CLDN7;ALOX12P2;ACA P1;BCL6B;CLEC10A;CTC 1;FAM64A;DVL2;SCARN A21;ACADVL	cg15610667;cg23878564;cg2 5827022;cg11838224 cg05871254;cg21982941;cg0 0437360;cg02112229;cg1135 1809 cg10025200;cg06126721;cg2 3837623
17	14213224	14213798	0.00173	5	1.64E-06	0.001218	0/5	-13.30707	HS3ST3B1; HS3ST3B1	nc_intron;i ntron	CpG: 47	436 shore	ENSG000000109099	PMP22	cg08318510;cg22382805;cg2 2232704;cg24384882
17	1477842	1478208	0.0006942	3	1.10E-06	0.001281	0/3	-9.631929	SLC43A2	0 exon+utr3	CpG: 16	0 island			
13	110961403	110961824	0.0008549	4	1.28E-06	0.001293	0/4	-11.74803	COL4A2	0 intron	CpG: 19	260 shore			
1	2058416	2059086	0.01185	5	2.03E-06	0.001295	0/5	-13.06971	PRKCZ;PRK CZ;PRKCZ	intron+utr 5;intron;nc _intron	CpG: 20	-4696	ENSG000000160075;ENSG000000157933; ENSG000000177133;ENSG000000162576; ENSG00000008130;ENSG000000235098; ENSG000000157916;ENSG000000142611; ENSG000000179403;ENSG000000175756	SSU72;SKI;LINCO0982;M XRA8;NADK;ANKRD65; RER1;PRDM16;VWA1;A URKAIP1	cg12718519;cg09261593;cg1 3480549;cg18188739;cg1548 1172
11	1891871	1892307	1.08E-05	11	1.35E-06	0.001326	01-Oct	-27.03937	LSP1	TSS+exon+ utr5;TSS+i ntron+exo n+utr5;intr on+utr5;in tron+exon +utr5;intro n	CpG: 45	0 island	ENSG000000110665;ENSG000000130592; ENSG000000064201;ENSG000000184682	C11orf21;LSP1;TSPAN3 2;C11orf89	cg27261733;cg08276062;cg0 5443390;cg24552015;cg0998 9681;cg20331155;cg2152947 7;cg22043296;cg26897904;cg 26868156;cg15079934 cg08464177;cg27039312;cg1 5527230 cg14236413;cg07138437;cg0 1171786;cg01407254;cg0687 5255
8	143625596	143625967	0.0007359	3	1.19E-06	0.00137	0/3	-9.60773	ADGRB1	0 utr3+cds	CpG: 54	0 island	ENSG000000181790	BAI1	cg26280685;cg04728402
2	71787500	71787827	0.0007115	5	1.14E-06	0.00149	0/5	-13.73424	DYSF	0 intron	CpG: 33	0 island	ENSG000000124357	NAGK	
11	62104019	62104662	0.02145	2	2.28E-06	0.001512	0/2	-7.104074	ASRGL1	-111 intergenic	CpG: 98	-117 shore			
17	2907894	2908369	0.001432	5	1.70E-06	0.001531	0/5	-13.32161	RAP1GAP2	0 intron	CpG: 35	-43608	ENSG000000083457;ENSG000000083454; ENSG000000108381;ENSG000000177602; ENSG000000167723;ENSG000000177374; ENSG000000108405;ENSG000000074356	ITGAE;P2RX5;ASPA;GS G2;TRPV3;HIC1;P2RX1; C17orf85	cg09915396;cg00739778;cg1 5030415;cg01076459;cg1499 9189
8	8749073	8749494	0.0008615	4	1.65E-06	0.001672	0/4	-11.49956	MFHAS1	0 cds	CpG: 197	0 island			cg01022370;cg01784220;cg0 0372375;cg08961196
1	50886781	50886969	0.0006672	4	7.42E-07	0.001685	4/0	12.040779	DMRTA2	0 cds	CpG: 480	0 island	ENSG000000142700;ENSG000000085831; ENSG000000123080	DMRTA2;TTC39A;CDKN 2C	cg16732616;cg04455430;cg2 5191628;cg12756396
20	61583829	61584159	0.0009131	8	1.33E-06	0.001718	0/8	-19.52227	SLC17A9	TSS+exon+ 0 utr5	CpG: 29	0 island	ENSG000000197457	STMN3	cg05534403;cg00199007;cg1 6552454;cg07173972;cg2632 9715;cg04478428;cg0181752 1;cg14686919

										TSS+exon+ utr5;TSS+i ntron+exo n+utr5;intr on+exon+ utr5			ENSG00000161381;ENSG00000141736; PLXDC1;ERBB2;ENSG00000264198;ENSG00000263818; 000264198;ENSG00000161405;ENSG00000126368 63818;IKZF3;NR1D1	cg24967701;cg23836594;cg1183072;cg13761998;cg17740645;cg08500763
17	37894164	37894636	0.001128	6	1.93E-06	0.001744	0/6	GRB7;GRB	-15.42045 7;GRB7	0;0;0	CpG: 59	7154		
													ENSG00000137404;ENSG00000146112; ENSG00000204569;ENSG00000206503; ENSG00000137337;ENSG00000204681; NRM;PPP1R18;PPP1R1 ENSG00000066379;ENSG00000204576; 0;HLA- ENSG00000204619;ENSG00000204580; A;MDC1;GABBR1;ZNRD ENSG00000204590;ENSG00000204616; 1;PRR3;PPP1R11;DDR1; g08491487;cg23712018;cg00 ENSG00000234127;ENSG00000204560; GNLI;TRIM31;TRIM26;D ENSG00000214922;ENSG00000137411; HX16;HLA-F- ENSG00000273340;ENSG00000204568; AS1;VAR52;MICE;MRPS cg20249327;cg15877520;cg1 ENSG00000176998 188;HCG4	cg17322683;cg17968668;cg09093485;cg09533428;cg21175940;cg05827186;cg19046933;cg27363141;cg24330456;cg03293507;cg16582419;cg23793213;cg12736877;cg24637044;cg01286685;cg05563515;cg08491487;cg23712018;cg00947782;cg18930910;cg03343571;cg13185413;cg06249604;cg20249327;cg15877520;cg13918754;cg09279736
6	30038790	30039403	0.0001729	27	2.58E-06	0.0018	26-Jan	RNF39;RN	53.328771 F39	0;0	CpG: 64	0 island		
										utr3+cds;i ntron+utr3 +cds			ENSG00000110076;ENSG00000173511; ENSG00000168056;ENSG00000068976; NRXN2;VEGFB;LTBP3;P ENSG00000188070;ENSG00000168439; YGM;C11orf95;STIP1;R ENSG00000133321;ENSG00000167770; ARRES3;OTUB1;HRASLS ENSG00000133328;ENSG00000168067; 2;MAP4K2;NAALADL1;R ENSG00000168060;ENSG00000068831 ASGRP2	cg22380161;cg01925891
11	64310370	64310508	0.0005808	2	6.05E-07	0.001871	0/2		-7.723356 SLC22A11	-12564 intergenic	CpG: 23	-19012		
													ENSG00000164828;ENSG00000164818; SUN1;HEATR2;PDGFA;P ENSG00000197461;ENSG00000230487; SMG3- ENSG00000177706;ENSG00000225968; AS1;FAM20C;ELFN1;PR ENSG00000188191;ENSG00000157778; KAR18;PSMG3;ENSG00 ENSG00000242474;ENSG00000073067; 000242474;CYP2W1;GP ENSG00000164849;ENSG00000249852 R146;ENSG00000249852	cg09678829;cg20441130
7	834455	834565	0.0005099	2	5.05E-07	0.001959	0/2		-7.809913 DNAAF5	8339 intergenic	CpG: 131	11821		
													ENSG00000137273;ENSG00000164379; FOXF2;FOXQ1;MYLK4;F ENSG00000145949;ENSG00000054598 OXC1	cg09510246;cg25320587
6	1684514	1684567	0.0003145	2	2.48E-07	0.001998	0/2		-7.992046 GMD5	0 intron	CpG: 111	59046		
													ENSG00000227372;ENSG00000162591 TP73-AS1;MEGF6	cg06202149;cg24356964;cg23052055;cg00589002
1	3605885	3606082	0.0008021	4	9.42E-07	0.002042	4/0		11.951356 TP73	0 intron	CpG: 40	-1014 shore		
														cg13698168;cg05348852;cg22131172;cg15703035;cg13531120;cg22790835
13	111522650	111522985	0.0005859	6	1.63E-06	0.002077	0/6		-15.57528 LINC00346	0 nc_exon	CpG: 206	-43501		
													PACSIN2;EFCAB6- AS1;EFCAB6;ENSG00000233157	cg18869709;cg18919659
22	43342937	43343084	0.0006591	2	7.24E-07	0.002104	0/2	PACSIN2;P	-7.670777 ACSIN2	0;0	CpG: 96	-67337		
										TSS+exon+ utr5;intron +utr5			ENSG00000171735;ENSG00000041988; HES2;ESPN;CAMTA1;TH ENSG00000116254 AP3;CHD5	cg09265619;cg00103568;cg21899939;cg14823363
1	6659204	6659366	0.0007342	4	8.31E-07	0.002191	0/4		-11.98946 KLHL21	0 cds	CpG: 27	0 island		
													ENSG00000239521;ENSG00000066923; ENSG00000106333;ENSG00000205277; ENSG00000239521;STA ENSG00000172354;ENSG00000197093; G3;PCOLCE;MUC12;GN ENSG00000196411;ENSG00000166924; B2;GAL3ST4;EPHB4;NY ENSG00000106367 AP1;AP1S1	cg08955669;cg00013374;cg14640865
7	100730470	100730578	0.0005564	3	5.68E-07	0.002247	0/3		-10.01209 TRIM56	intron+utr 0 5	CpG: 33	-1510 shore		
													ENSG00000099812;ENSG00000115255; ENSG00000116017;ENSG00000172081; MISP;REEP6;ARID3A;M ENSG00000180448;ENSG00000167468; OB3A;HMHA1;GPX4;SH ENSG00000129946;ENSG00000070404 C2;FSTL3	cg26864950;cg21715536;cg20074859;cg25973354
19	1395364	1395646	0.0009497	4	1.49E-06	0.002252	0/4	NDUFS7;N	-11.67709 DUF57	0;0	CpG: 37	0 island		
										intron+utr 3+cds;exo n+utr3				

11	45825355	45825579	0.001054	8	1.35E-06	0.002565	0/8	-19.71401	SLC35C1	-43 intergenic	CpG: 119	-36 shore	ENSG000000157570;ENSG000000121653; ENSG000000121671	TSPAN18;MAPK8IP1;CR Y2	cg19527995;cg00927035;cg01838971;cg27363529;cg09452027;cg17695841;cg08794544;cg11925488
21	46129246	46129620	0.001197	3	2.25E-06	0.002568	0/3	-9.379653	TSPEAR;TSPEAR	intron+utr 5;intron	CpG: 30	0 island	ENSG000000223768	LINC00205	cg27251694;cg19683410;cg04837104
14	65005950	65006281	0.0002861	9	1.99E-06	0.002572	0/9	-21.49656	LOC102723809	0 nc_intron	CpG: 205	-593 shore	ENSG000000179841;ENSG000000126821; ENSG000000054654;ENSG000000125952	AKAP5;SGPP1;SYNE2;M AX	cg20014063;cg27026695;cg12120359;cg26421140;cg24765602;cg01520924;cg26357885;cg26078793;cg21035222cg23260502;cg18758335;cg24550456;cg01711322;cg04983977cg06436854;cg01404893;cg04416981
1	200841804	200842145	0.0008565	5	2.08E-06	0.002609	5/0	13.245302	GPR25	0 TSS+exon	CpG: 124	-51 shore	ENSG000000116852;ENSG000000116833	KIF21B;NR5A2	
16	89043526	89043707	0.0009131	3	1.11E-06	0.002625	0/3	-9.747184	CBFA2T3	-22 intergenic	CpG: 20	9233			
16	30124802	30125047	0.0006044	4	1.58E-06	0.002754	0/4	-11.79621	GDPD3	TSS+exon+ 0 utr5	CpG: 32	-9173	ENSG000000196118;ENSG000000013364; ENSG000000099381;ENSG000000156873; ENSG000000103496;ENSG000000229809; ENSG000000149932;ENSG000000149927; ENSG000000151006;ENSG000000179918; ENSG000000180096;ENSG000000149923; ENSG000000102886;ENSG000000103485; ENSG000000150281;ENSG000000196927; ENSG000000156858;ENSG000000102879; ENSG000000005844;ENSG000000197471; ENSG000000102870;ENSG000000260219; ENSG000000174938;ENSG000000261690; ENSG000000185905	C16orf93;MVP;SETD1A; PHKG2;STX4;ZNF688;T MEM219;DOC2A;PRSS5 3;SEPHS2;SEPT1;PPP4C; GDPD3;QPR7;CTF1;ENS G000000196927;PRR14;C ORO1A;ITGAL;SPN;ZNF 629;ENSG000000260219; SEZ6L2;ENSG0000002616 90;C16orf54	cg04833731;cg02335376;cg07824081;cg08047629
12	322513	322888	0.001189	8	2.50E-06	0.002839	0/8	-19.02544	SLC6A12;SLC6A12;SL	TSS+exon+ utr5;intron +utr5;TSS+ intron+ex on+utr5	CpG: 72	9182	ENSG000000139044;ENSG000000082805	B4GALNT3;ERC1	cg11145776;cg18170229;cg15350661;cg24744557;cg11249486;cg12415569;cg07702819;cg14093792
4	57975792	57976034	0.001201	3	1.64E-06	0.002884	0/3	-9.709556	IGFBP7;IGFBP7	intron;nc_ exon	CpG: 121	0 island			cg19861288;cg12372106;cg03876618cg26733897;cg16918327;cg25673241
17	78694591	78694856	0.001054	3	1.87E-06	0.003014	3/0	9.4413085	RPTOR	0 intron	CpG: 30	-5971	ENSG000000175866	BAIAP2 SAMD11;MXRA8;ENSG000000187634;ENSG000000162576; ENSG000000217801;ENSG000000223764 223764	cg05151709;cg08546707
1	846154	846195	0.0003879	2	3.33E-07	0.003466	0/2	-7.903646	LINC02593	6002 intergenic	CpG: 153	271 shore	ENSG000000090975;ENSG000000158023; ENSG000000130779;ENSG000000256304; ENSG000000139722	PITPNM2;WDR66;CLIP1 ;ENSG000000256304;VPS 37B	cg13299728;cg19979750;cg15617609
12	123352599	123352774	0.0011	3	1.43E-06	0.003495	0/3	-9.661686	VPS37B	0 intron	CpG: 25	681 shore			
14	94576830	94577218	0.001637	5	3.47E-06	0.00381	0/5	-13.35012	IFI27;IFI27	TSS+exon+ utr5;TSS+ intron+exo n+utr5	CpG: 72	29165	ENSG000000165949;ENSG000000119698	IFI27;PPP4R4	cg18443806;cg16341979;cg03447547;cg10778971;cg08036899
17	909981	910391	0.001732	3	3.79E-06	0.003946	0/3	-9.178485	ABR	0 intron	CpG: 50	0 island	ENSG000000167703;ENSG000000187624; ENSG000000197879;ENSG000000108953; ENSG000000185561;ENSG000000167693; ENSG000000132376;ENSG000000074660	SLC43A2;C17orf97;MYO 1C;YWHAE;TLCD2;NXN; INPP5K;SCARF1	cg10024094;cg06932713;cg10230533cg06484146;cg20607287;cg10578991;cg03579179;cg19397885
7	12443879	12444115	0.001487	5	2.19E-06	0.003966	0/5	-13.51907	VWDE	-312 intergenic	CpG: 45	174 shore	ENSG000000146530;ENSG000000230333; ENSG000000005108	VWDE;ENSG0000002303 33;THSD7A	cg16441919;cg10718894;cg25334860
17	1094028	1094299	0.0005523	3	2.55E-06	0.004006	3/0	9.3864332	ABR	0 intron	CpG: 120	10195	ENSG000000157368;ENSG000000157350; ENSG000000140832	IL34;ST3GAL2;MARVEL D3	cg00618711;cg06563504;cg02602352
16	70688051	70688171	0.0009242	3	1.13E-06	0.004027	0/3	-9.909041	IL34	0 intron	CpG: 67	-9403			

5	1555790	1555887	0.0008021	3	9.40E-07	0.004133	0/3	-9.833292	SDHAP3	16185	intergenic	CpG: 18	2521	shore	ENSG000000071539;ENSG000000145506; ENSG000000171368;ENSG000000145494; ENSG000000153395;ENSG000000171421; ENSG000000188818;ENSG000000113504; ENSG000000185986;ENSG000000188002	TRIP13;NKD2;TPPP;ND UFS6;LPCAT1;MRPL36;Z DHHC11;SLC12A7;SDHA P3;ENSG000000188002	cg23939096;cg13005202;cg2 3010507
2	29202811	29203230	0.001732	4	4.29E-06	0.004368	0/4	-11.08605	2 TOGARAM	-933	intergenic	CpG: 79	84786		ENSG000000229951;ENSG000000189350; ENSG000000226833;ENSG000000115295	179A;ENSG00000022683 3;CLIP4	cg02182081;cg04026326;cg2 5553279;cg16944977
16	29830907	29830973	0.0006459	2	6.94E-07	0.004482	0/2	-7.683858	PAGR1	0	cds	CpG: 125	2605	shore	ENSG000000174938;ENSG000000196118; ENSG00000013364;ENSG000000261690; ENSG000000156873;ENSG000000180096; ENSG000000103502;ENSG000000229809; ENSG000000184489;ENSG000000105339; ENSG000000167632	SEZ6L2;C16orf93;MVP;E NSG000000261690;PHKG 2;SEPT1;CDIPT;ZNF688; QPRT PTP4A3;DENND3;TRAP PC9	cg05164406;cg08168844 cg05744888;cg23287005;cg0 5827089 cg00095688;cg24842354;cg0 8439149
8	141588117	141588242	0.0011	3	1.42E-06	0.004856	0/3	-9.654868	AGO2	0	intron	CpG: 20	28749				
1	2003863	2004163	0.001651	3	3.47E-06	0.004927	3/0	9.2497774	PRKCZ	0	intron	CpG: 36	-1016	shore	ENSG000000237330	RNF223	
11	118214761	118215112	0.001637	5	4.10E-06	0.00498	5/0	12.978015	CD3G	TSS+exon+ 0 utr5	CpG: 22	-15052			ENSG000000110324;ENSG000000160654; ENSG000000172375;ENSG000000110395; ENSG000000167286;ENSG000000198851; ENSG000000177103;ENSG000000076706; ENSG000000248712;ENSG000000118096; ENSG000000160588;ENSG000000160703; ENSG000000160593;ENSG000000118058; ENSG000000188486;ENSG000000256269; ENSG00000019144;ENSG000000137731	IL10RA;CD3G;C2CD2L;C BL;CD3D;CD3E;DSCAML 1;MCAM;CCDC153;IFT4 6;MP2L3;NLRX1;AMICA 1;KMT2A;H2AFX;HMB5; PHLDB1;FXD2	cg05160234;cg03254928;cg1 3750061;cg07545925;cg1588 0738
5	177824352	177824403	0.0005778	2	5.99E-07	0.005007	2/0	7.7498032	COL23A1	0	intron	CpG: 191	487	shore	ENSG000000087116;ENSG000000050767; ENSG000000196923;ENSG000000177932; ENSG000000113758;ENSG000000131188; ENSG000000145916	ADAMTS2;COL23A1;PD LIM7;ZNF354C;DBN1;P RR7;RMND5B	cg08354401;cg11770816
7	2518683	2518824	0.001223	3	1.68E-06	0.005076	0/3	-9.640034	GRIFIN	-2666	intergenic	CpG: 17	18556		ENSG000000146535;ENSG000000002822; ENSG000000106012;ENSG000000157778; ENSG000000136213;ENSG000000136295; ENSG000000106003;ENSG000000106009; ENSG000000225968	GNA12;MAD1L1;IQCE;P SMG3;CHST12;TTYH3;LF NG;BRAT1;ELFN1	cg18291703;cg27484582;cg0 3277898
12	56390797	56391077	0.001544	10	3.34E-06	0.005088	0/10	-22.68585	SUOX	TSS+exon+ 0 utr5	CpG: 36	-10006			ENSG000000170581	STAT2	cg15460809;cg05368555;cg0 1105256;cg07060074;cg1685 3842;cg09689944;cg2258062 9;cg21625520;cg19627869;cg 12084688
2	97136507	97136729	0.001691	3	2.67E-06	0.00512	3/0	9.42182	NEURL3	26650	intergenic	CpG: 59	-29479		ENSG000000196843;ENSG000000144021; ENSG000000114982;ENSG000000273305	ARID5A;CIAO1;KANSL3; ENSG000000273305	cg27553926;cg04706655;cg1 4984341
17	2898744	2898878	0.001271	3	1.77E-06	0.005616	0/3	-9.596726	RAP1GAP2	0	intron+cds	CpG: 35	-53099		ENSG000000108381;ENSG000000263050; ENSG000000177374;ENSG000000074356; ENSG000000167723;ENSG000000108405; ENSG000000262758;ENSG000000074370	ASPA;ENSG00000026305 0;HIC1;C17orf85;TRPV3 ;P2RX1;ENSG0000002627 58;ATP2A3 CPSF3;ENSG0000002360 08	cg15070283;cg15965094;cg2 5028189 cg00085123;cg09061684;cg1 8091469
2	8723905	8724060	0.001432	3	2.08E-06	0.005723	0/3	-9.525844	LINC01814	0	nc_exon	CpG: 22	0	island	ENSG000000119203;ENSG000000236008		cg00628178;cg20665205
15	49254318	49254494	0.001582	2	2.39E-06	0.005789	0/2	-7.331121	SHC4	0	intron	CpG: 47	-490	shore	ENSG000000185634	SHC4	cg22510139;cg24968931;cg1 4516243;cg13388191;cg0104 7045
1	3058821	3059267	0.002234	5	6.18E-06	0.0059	5/0	12.748967	PRDM16	0	intron	CpG: 17	0	island	ENSG000000157933;ENSG000000162591; ENSG000000227372;ENSG000000157916 ENSG000000164828;ENSG000000157778; ENSG000000002822;ENSG000000164818; ENSG000000106012	SKI;MEGF6;TP73- AS1;RER1 SUN1;PSMG3;MAD1L1; HEATR2;IQCE	cg18958693;cg23903588;cg0 0375608;cg13042250 cg18278899;cg15550100;cg2 5428929
7	1607600	1607868	0.001911	4	3.88E-06	0.006163	0/4	-11.22155	PSMG3	0	intron	CpG: 60	-1700	shore			
2	242606121	242606353	0.002175	3	3.71E-06	0.006817	3/0	9.2939121	ATG48	0	intron+cds	CpG: 36	0	island	ENSG000000168395;ENSG000000162804	ING5;SNED1	

6	166824870	166825084	0.002037	3	3.46E-06	0.006895	3/0	9.3400822	RP56KA2	0 exon+utr3	CpG: 48	-743 shore	cg01474925;cg07109551;cg08109681
													ENSG00000071462;ENSG00000106665; ENSG00000232415;ENSG00000160828; WBSR22;CLIP2;ENSG0 ENSG00000106077;ENSG00000165171; 0000232415;STAG3L2;A cg25544461;cg04292993;cg1 ENSG00000225969;ENSG00000189143; BHD11;WBSR27;LINCO 2209693;cg09756225;cg2571 ENSG00000106682;ENSG00000086730; 0035;CLDN4;EIF4H;LAT2 4115;cg04376123;cg2470234 ENSG00000232561 ;GTF2IP1 1 ENSG00000066230 SLC9A3 cg00281273;cg04843690
7	73894572	73895278	0.006723	3	1.20E-05	0.00721	0/7	-15.85053	GTF2IRD1	intron+utr	CpG: 27	0 island	
5	1514510	1514608	0.001271	2	1.76E-06	0.007647	2/0	7.4198254	LPCAT1	0 intron	CpG: 146	-8417	
													ENSG00000204070;ENSG00000101448; ENSG00000025772;ENSG00000243543; ENSG00000124116;ENSG00000229900; ENSG00000124145;ENSG00000168734; SYS1;EPPIIN;TOMM34; ENSG00000101443;ENSG00000101457; WFDC6;WFDC3;HSPD1 ENSG00000124155;ENSG00000215452; P21;SDC4;PKIG;WFDC2; ENSG00000124107;ENSG00000064205; DNTTIP1;PIGT;ZNF663P ENSG00000198026;ENSG00000269549; ;SLPI;WISP2;ZNF335;EN ENSG00000225849;ENSG00000080189; SG00000269549;MKRN7 cg20299254;cg00500048;cg0 ENSG00000196839 P;SLC35C2;ADA 0325113;cg26086948
20	44097319	44097731	0.002668	4	7.43E-06	0.007677	0/4	-10.8286	WFDC2	-661 intergenic	CpG: 94	-549 shore	
13	112786004	112786133	0.001619	2	2.47E-06	0.008149	0/2	-7.291034	LOC100506016	23337 intergenic	CpG: 23	24891	cg25928208;cg10300728
													ENSG00000113555;ENSG00000120318; PCDH12;ARAP3;SPRY4; ENSG00000187678;ENSG00000145819; ARHGAP26;PCDH1;KIA ENSG00000156453;ENSG00000081791 A0141 cg19598567;cg07875146;cg20474271 cg10362475;cg21202716;cg03578926;cg19942459;cg14537332;cg04396791;cg03395558
5	141931206	141931455	0.002662	3	4.90E-06	0.008367	3/0	9.1809787	FGF1	40287 intergenic	CpG: 81	194226	
11	70507824	70508329	0.003859	7	9.95E-06	0.00839	7/0	16.04184	SHANK2;SHANK2,SHANK2	TSS+utr5+cds;intron;nc_exon	CpG: 30	0 island	
21	38937108	38937316	0.002398	2	4.20E-06	0.008586	0/2	-7.172323	DYRK1A	38449 intergenic	CpG: 64	562 shore	cg23474190;cg17731209
													cg02964724;cg27252164;cg20912770;cg05309948;cg19459876;cg15790820;cg06272038;cg10526374;cg11772171;cg13330341;cg06347739;cg14308479;cg07333715;cg01156550;cg21063716;cg03306615;cg19284039;cg26051413;cg13762320;cg11644479;cg24353535;cg05068202;cg20392764
11	2292360	2293117	0.008011	15	1.53E-05	0.008614	Oct-13	-4.255225	ASCL2	-178 intergenic	CpG: 312	0 island	cg14745748;cg04378288;cg13326175;cg05136848;cg23542274;cg26004221
11	45717985	45718464	0.002673	6	9.91E-06	0.008804	6/0	14.366784	MIR7154	-4659 intergenic	CpG: 151	30490	
													ENSG00000211893;ENSG00000185567; ENSG00000211892;ENSG00000211890; IGHG2;AHNAK2;IGHG4; ENSG00000166428;ENSG00000253755; IGH2;PLD4;IGHG;KIF ENSG00000066735;ENSG00000099814; 26A;CEP170B;C14orf2;C cg23592421;cg26256521;cg0 ENSG00000156411;ENSG00000185347; 14orf80;ENSG000002571854676;cg18228531;cg26333564
14	105147460	105147781	0.003198	5	7.36E-06	0.009748	0/5	-12.89163	MIR4710	-3374 intergenic	CpG: 25	2957 shore	
													ENSG00000187800;ENSG00000185499; ENSG00000169241;ENSG00000116539; ENSG00000132688;ENSG00000198952; PEAR1;MUC1;SLC50A1; ENSG00000160688;ENSG00000173171; ASH1L;NES;SMG5;FLAD ENSG00000132718;ENSG00000132698; 1;MTX1;SYT11;RAB25;L ENSG00000116586;ENSG00000143321; AMTOR2;HDGF;MEF2D; cg20847292;cg13921921;cg14204586
1	155931628	155931858	0.002831	3	5.33E-06	0.00986	0/3	-9.136879	ARHGEF2	0 intron+cds	CpG: 22	10730	



17	71824805	71824917	0.001679	2	2.61E-06	0.009924	0/2	-7.302029	LINC00469	-129	intergenic	CpG: 40	-73053	ENSG00000069188;ENSG000000141540; ENSG000000180616;ENSG000000172794; ENSG000000171595;ENSG000000166685; ENSG000000196169;ENSG000000109062; ENSG000000133195	SDK2;TTYH2;SSTR2;RAB 37;DNAI2;COG1;KIF19;S LC9A3R1;SLC39A11	cg19786648;cg19159964
12	9360853	9360986	0.001911	3	3.13E-06	0.01001	0/3	-9.388068	PZP	0	intron+utr 5+cds	CpG: 18	-31473	ENSG000000150048;ENSG000000126838; ENSG000000175899;ENSG000000226711; ENSG000000197614;ENSG000000171847; ENSG000000110852;ENSG000000260423; ENSG000000256937	CLEC1A;PZP;A2M;FAM6 6C;MFAP5;FAM90A1;CL EC28;ENSG00000026042 3;ENSG000000256937	cg01714932;cg10479063;cg0 8729600
12	54954336	54954400	0.001156	3	1.55E-06	0.01028	0/3	-9.63159	PDE1B;PDE 1B	0;0	intron;intr on+utr5	CpG: 53	-27533			cg08816590;cg07681579;cg0 0660843
16	1730560	1730594	0.0007359	3	8.44E-07	0.01056	0/3	-9.856506	JPT2	0	intron	CpG: 113	1702	ENSG000000162004;ENSG000000187535; ENSG000000206053;ENSG00000007516; ENSG000000063854;ENSG000000103253; ENSG000000140992;ENSG000000261659; ENSG000000103260;ENSG000000103275; ENSG000000205937;ENSG000000198736; ENSG00000005513;ENSG000000162040; ENSG000000127554;ENSG000000059145; ENSG000000127580;ENSG000000260807; ENSG000000127586;ENSG000000131634; ENSG000000196557	CCDC78;IFT140;HN1L;B AIAP3;HAGH;HAGHL;P DPK1;ENSG00000026165 9;METRN;UBE2I;RNPS1; MSRB1;SOX8;HS3ST6;G FER;UNKL;WDR24;ENS G000000260807;CHTF18; TMEM204;CACNA1H	cg27039467;cg09979311;cg0 9386771
4	186559937	186560403	0.04365	4	1.22E-05	0.01112	5/0	12.182917	SORBS2;S ORBS2	0;0	intron+cds ;intron	CpG: 28	0	ENSG000000151725;ENSG000000109794; ENSG000000151729;ENSG000000164305; ENSG000000154553;ENSG000000186352; ENSG000000251008	CENPU;FAM149A;SLC25 A4;CASP3;PDLIM3;ANK RD37;ORAOV1P1	cg06936803;cg14516100;cg0 6213327;cg24132991;cg0144 1113
6	28889875	28890069	0.002769	4	5.16E-06	0.01131	0/4	-11.24337	TRIM27	0	intron	CpG: 119	-882	ENSG000000197279;ENSG000000204681; ENSG000000224157;ENSG000000137338; ENSG000000219891;ENSG000000158691; ENSG000000272009;ENSG000000273340; ENSG000000197062;ENSG000000214922; ENSG000000204713;ENSG000000235109; ENSG000000176998;ENSG000000198315	ZNF165;GABBR1;HCG14 ;PGBD1;ZSCAN12P1;ZS CAN12;ENSG0000002720 09;MICE;ENSG000000197 062;HLA-F- AS1;TRIM27;ZSCAN31; HCG4;ZKSCAN8	cg22355525;cg25525825;cg1 9400926;cg12896170 cg03598297;cg02220837;cg2 6344982;cg18768347;cg0186 4791
3	5024760	5024963	0.002903	5	5.54E-06	0.01159	0/5	-13.02924	BHLHE40	0	cds	CpG: 18	0	ENSG000000214063;ENSG000000161328; ENSG000000177156;ENSG000000142089; ENSG000000117984;ENSG000000177030; ENSG000000250397;ENSG000000251661; ENSG00000099849;ENSG000000182208; ENSG000000215182;ENSG000000182272	TSPAN4;LRRC56;TALDO 1;FITM3;CTSD;DEAF1;E NSG000000250397;ENSG 000000251661;RASSF7;M OB2;MUC5AC;B4GALNT 4	cg06196145;cg14522803;cg2 4427660;cg18313182;cg2201 6649;cg04519421
11	818751	819128	0.0001386	6	1.03E-05	0.01161	0/6	-15.3852	PNPLA2	0	TSS+intron +exon+utr 5	CpG: 131	0	ENSG000000069812;ENSG000000187017; ENSG000000069424	HES2;ESPN;KCNAB2	cg10059687;cg10539898;cg0 2064442;cg03893150;cg2311 4616;cg16681526;cg0450098 6;cg26056577
1	6526128	6526583	0.003575	8	1.25E-05	0.01164	8/0	17.671281	PLEKHG5;T NFRSF25	0;0	exon+utr3; TSS+intron +utr5+cds	CpG: 24	0	ENSG000000215182;ENSG000000214063; ENSG000000214026;ENSG000000161328; ENSG000000177030;ENSG00000070047; ENSG000000182208;ENSG000000177156; ENSG000000167244;ENSG00000064201; ENSG000000110665;ENSG000000130592; ENSG000000184682	MUC5AC;TSPAN4;MRPL 23;LRRC56;DEAF1;PHRF 1;MOB2;TALDO1;IGF2;T SPAN32;C11orf21;LSP1; C11orf89	cg13534999;cg20737909;cg1 5470102;cg11611244;cg0356 5674;cg23419447
11	1506935	1507347	0.001907	6	1.14E-05	0.01177	0/6	-14.26326	MOB2	0	intron	CpG: 17	14180			

10	134361888	134362170	0.002662	6	7.90E-06	0.01191	0/6	-14.49026	INPP5A	0 intron	CpG: 17	804 shore	ENSG000000148814;ENSG000000171811; ENSG00000068383;ENSG000000171813; LRRC27;TTC40;INPP5A; ENSG000000130640;ENSG000000171798; PWVWP2B;TUBGCP2;KN cg14827481;cg03735043;cg0
5	150028552	150028577	0.0006475	2	7.02E-07	0.01192	2/0	7.6769938	SYNPO	0 cds	CpG: 33	-368 shore	ENSG000000148803;ENSG000000165752; DC1;FUOM;STK32C;AD 5670885;cg11771383;cg1096
													ENSG000000151651 AM8 7866;cg19137806 cg03634767;cg15122343 cg04444949;cg08425760;cg0
1	11795745	11795985	0.003368	7	6.75E-06	0.01195	0/7	-16.62415	AGTRAP	-156 intergenic	CpG: 27	0 island	ENSG000000130940;ENSG000000177674; CASZ1;AGTRAP;TNFRSF 7643;cg25467652;cg1544987
													ENSG000000028137;ENSG000000171824 18;EXOSC10 0
16	87988630	87988862	0.00336	3	6.72E-06	0.01231	0/3	-9.248501	BANP	intron+utr 0 5	CpG: 22	-2425 shore	ENSG000000103335;ENSG000000141012; PIEZO1;GALNS;ZCCHC1 ENSG000000140948;ENSG000000129993; 4;CBFA2T3;ENSG0000002 ENSG000000224888;ENSG000000260121; 24888;ENSG00000026012 cg02331262;cg01541600;cg0
													ENSG000000182376 1;ENSG000000182376 6245967
													cg20534570;cg02589672;cg1 0169194;cg23915792;cg00095
22	41763092	41763512	0.003564	10	1.22E-05	0.01233	0/10	-21.25991	TEF	TSS+exon+ 0 utr5	CpG: 93	-13918	ENSG000000128285 MCHR1 3;cg07197642;cg22626522;cg 13228442
15	100879198	100879503	0.003091	4	8.92E-06	0.01242	0/4	-10.75255	ADAMTS17	0 intron	CpG: 143	-1454 shore	ENSG000000232386;ENS cg07199183;cg13861126;cg0
20	1975275	1975372	0.00178	2	2.89E-06	0.01265	0/2	-7.245221	PDYN-AS1	0 nc_intron	CpG: 28	47157	ENSG000000259363 G000000259363 0884844;cg17745628
													ENSG000000125775 SDCBP2 cg11320144;cg24377694
20	31595114	31595432	4.59E-05	4	9.79E-06	0.01307	01-Mar	-10.92301	BPIFB2	-77 intergenic	CpG: 64	186990	ENSG000000235217;ENSG000000101412; ENSG000000101350;ENSG000000101331; TSPY26P;E2F1;KIF3B;CC cg02191985;cg10968815;cg1
7	112120784	112121036	0.002478	5	7.79E-06	0.01312	01-Apr	-10.24713	LSMEM1	TSS+exon+ 0 utr5	CpG: 108	29372	ENSG000000101400;ENSG000000149600; MZL;BPIFB1;CBFA2T2;S 3696012;cg08918845
16	81528944	81528989	0.0011	3	1.43E-06	0.0135	0/3	-9.683911	P	CMIP;CMI intron;TSS +exon+utr 5	CpG: 99	49594	ENSG000000078898 NTA1;COMMMD7;BPIFB2 cg16109415;cg09243037;cg1 0399210;cg20249277;cg0924 6302
19	18705945	18706136	0.003161	2	6.21E-06	0.01381	2/0	7.0764826	CRLF1	0 intron	CpG: 16	0 island	ENSG000000261609;ENSG000000153815; GAN;CMIP;ENSG0000002 cg02814118;cg04851702;cg0
													ENSG000000260682 60682 2746658
12	89748725	89749142	0.003575	9	1.36E-05	0.01386	0/9	-19.26861	DUSP6	0 intron	CpG: 16	0 island	ENSG000000130520;ENSG000000179913; LSM4;B3GNT3;UPF1;KX cg13407975;cg18376352
													ENSG00000005007;ENSG000000105700 D1
7	130606227	130606499	0.003388	3	9.07E-06	0.01415	0/3	-8.81711	LINC00513	nc_intron+ 0 nc_exon	CpG: 185	-183859	cg08802841;cg15296664;cg0 5589489;cg12414174;cg0540
5	1076016	1076166	0.00273	2	5.04E-06	0.01426	2/0	7.0638979	SLC12A7	0 intron	CpG: 19	-1678 shore	3689;cg13519918;cg2246667 8;cg01093028;cg26635451
													cg17884698;cg22124221;cg1 0540679
													cg26500588;cg27585120
3	52478873	52479108	0.003646	6	7.98E-06	0.01441	0/6	-14.89975	SEMA3G	TSS+intron 0 +utr5+cds	CpG: 58	-10309	ENSG00000010327;ENSG000000164088; ENSG00000010319;ENSG000000163939; ENSG000000163932;ENSG000000164087; STAB1;PPM1M;SEMA3 ENSG00000023330;ENSG000000163938; G;PBRM1;PRKCD;POC1
													ENSG000000162267;ENSG000000163931; A;ALAS1;GNL3;ITIH3;TK cg04338788;cg16362603;cg1
1	29101848	29102153	0.003978	5	1.06E-05	0.01473	0/5	-12.65576	YTHDF2	5561 intergenic	CpG: 26	0 island	ENSG000000163935;ENSG00000016864; T;SFMBT1;GLT8D1;DNA 5287092;cg17910586;cg0111
													ENSG000000114841 H1 3435;cg27386912
													cg22861340;cg00151709;cg0 6221449;cg10387543;cg1078
3	52828582	52828818	0.003682	5	8.26E-06	0.01485	5/0	12.794356	ITIH3	TSS+exon+ 0 utr5	CpG: 61	23454	ENSG000000117751;ENSG000000198492; ENSG000000120656 PPP1R8;YTHDF2;TAF12 2019
													ENSG00000010319;ENSG000000114902; ENSG00000090097;ENSG000000163932; SEMA3G;SPCS1;PCBP4; cg05299048;cg25865553;cg1
													ENSG00000016864;ENSG000000162267; PRKCD;GLT8D1;ITIH3;ST 5485378;cg26099316;cg1642
													ENSG00000010327;ENSG000000163939 AB1;PBRM1 3337

1	110156681	110156820	0.002662	2	4.87E-06	0.01487	0/2	-7.094169	GNAT2	-976 intergenic	CpG: 23	-5644	ENSG000000134248;ENSG000000184371	LAMTOR5;CSF1	cg02492799;cg12234947
6	5997718	5997791	0.001685	2	2.63E-06	0.01529	0/2	-7.275744	NRN1	441 intergenic	CpG: 36	304 shore			cg07143961;cg00518266
2	9235897	9235972	0.001711	3	2.72E-06	0.01537	0/3	-9.407897	MBOAT2	-92018 intergenic	CpG: 109	91267			cg20610452;cg24231854;cg04575202
8	61823026	61823275	0.001607	2	9.16E-06	0.0156	0/2	-6.960238	CHD7	42440 intergenic	CpG: 70	0 island	ENSG000000171316	CHD7	cg20904475;cg06011086
2	208635636	208635942	0.0008047	4	1.15E-05	0.01594	4/0	10.761992	FZD5	-1006 intergenic	CpG: 309	702 shore			cg05365735;cg18866599;cg22705959;cg13278353
11	121466429	121466629	0.003646	3	8.03E-06	0.01701	01-Feb	-7.892489	SORL1	0 intron+cds	CpG: 73	143127			cg15724159;cg11586591;cg17510957
22	50451053	50451245	0.003604	4	7.76E-06	0.01713	0/4	-11.03344	IL17REL	TSS+exon+ 0 utr5	CpG: 83	1532 shore	ENSG000000188511;ENSG000000188130; ENSG000000213279;ENSG000000235111; ENSG00000079974;ENSG000000185386; ENSG000000196576;ENSG000000251322	C22orf34;MAPK12;ENS G00000213279;ENS G00000235111; 000235111;RABL2B;MA PK11;PLXNB2;SHANK3	cg14278345;cg15565576;cg26206185;cg03721641
3	124732721	124732817	0.002246	4	3.89E-06	0.01717	0/4	-11.44605	HEG1	0 cds	CpG: 77	-41429	ENSG000000160145;ENSG000000114547; ENSG000000173706;ENSG000000189366; ENSG000000171084;ENSG000000114520; ENSG000000173702	KALRN;ROPN1B;HEG1; ALG1L1;FAM86P;SNX4; MUC13	cg04425094;cg11890301;cg25201381;cg03323614 cg11874323;cg14018690;cg21572731;cg05570980;cg07741984
3	111804829	111805005	0.007024	5	7.33E-06	0.01765	0/5	-12.9059	C3orf52 PFKFB3;PF	-176 intergenic nc_intron;i	CpG: 68	0 island	ENSG000000198879;ENSG000000232807; ENSG000000065675	SFMBT2;ENSG000000232807; 807;PRKCQ	cg03457284;cg13782176;cg16546349
10	6264624	6264776	0.003198	3	6.34E-06	0.01766	0/3	-9.06567	KFB3 LOC107986	0;0 ntron	CpG: 20	1753 shore			
7	128020863	128021037	0.003575	2	7.61E-06	0.01853	01-Jan	1.4676929	845	-5698 intergenic	CpG: 92	18797	ENSG000000128594;ENSG000000128602	LRRC4;SMO	cg14523734;cg26802119
11	67206262	67206434	0.003582	4	7.69E-06	0.01892	4/0	10.970569	CORO1B	0 intron+cds	CpG: 26	2600 shore	ENSG000000175463;ENSG000000213402; ENSG000000255306;ENSG000000239306; ENSG000000006534;ENSG000000160172	TBC1D10C;PTPRCAP;EN SG00000255306;RBM14; ALDH3B1;FAM86C2P	cg23468927;cg12044599;cg02740606;cg17690322
14	91758470	91758641	0.003582	2	7.68E-06	0.01901	0/2	-6.925675	CCDC88C	0 intron	CpG: 26	2906 shore	ENSG000000133962;ENSG000000165914; ENSG000000165929;ENSG000000183648; ENSG000000198668;ENSG000000100815; ENSG000000165934	CATSPERB;TTC7B;TC2N; NDUFB1;CALM1;TRIP11 ;CPSF2	cg05015297;cg10837846
1	7842158	7842406	0.004667	4	1.16E-05	0.01985	0/4	-10.74677	VAMP3	666 intergenic	CpG: 20	-1054 shore	ENSG000000162426;ENSG000000171735; ENSG000000142599	SLC45A1;CAMTA1;RERE	cg22229039;cg14511923;cg02277850;cg23987789
1	64058522	64058672	0.003036	3	7.16E-06	0.02019	0/3	-9.042914	PGM1	-409 intergenic	CpG: 104	-265 shore	ENSG000000185483	ROR1	cg15590153;cg24370698;cg24585453
1	12123734	12124114	0.005657	4	1.88E-05	0.02088	4/0	10.462246	TNFRSF8;T NFRSF8	intron;intr on+utr5	CpG: 63	0 island			cg07166679;cg04506109;cg16305333;cg07731304
11	3177621	3177865	0.001691	3	1.21E-05	0.02091	0/3	-8.804758	OSBPPL5	intron+utr 0 5	CpG: 43	-3709			cg06005892;cg25627263;cg03174521
19	34111482	34111733	0.004871	4	1.25E-05	0.02101	4/0	10.753476	CHST8	-1125 intergenic	CpG: 232	-546 shore	ENSG000000213965	NUDT19	cg08639586;cg02625404;cg10020290;cg18823272
3	11178364	11178798	0.005302	7	2.18E-05	0.02127	0/7	-15.61973	HRH1	TSS+exon+ 0 utr5	CpG: 83	-17103	ENSG000000240288	GHRLOS	cg13593758;cg16929739;cg12179658;cg06457736;cg08831077;cg25677394;cg27092248
22	50746890	50747040	0.003575	3	7.61E-06	0.02145	01-Feb	-3.830272	DENND6B	418 intergenic	CpG: 95	765 shore	ENSG00000079974;ENSG000000205593; ENSG000000177989;ENSG00000025770; ENSG00000025708;ENSG000000188130	RABL2B;DENND6B;ODF 3B;NCAPH2;TYMP;MAP K12	cg15269226;cg19553402;cg17939585
11	330871	331179	0.005037	4	1.57E-05	0.0216	4/0	10.533975	IFITM3	-9957 intergenic	CpG: 23	0 island			cg05327844;cg23326607;cg14957089;cg04537282
12	52388016	52388360	0.005159	3	1.76E-05	0.02164	0/3	-8.565141	ACVR1B	0 exon+utr3	CpG: 138	-12107	ENSG000000161835;ENSG000000139567; ENSG000000167767;ENSG000000184271; ENSG000000139629;ENSG000000111057	GRASP;ACVRL1;KRT80; POU6F1;GALNT6;KRT18	cg17516106;cg15540623;cg10615271

6	134210137	134210307	0.001935	7	8.81E-06	0.0219	7/0	16.902543	TCF21;TAR ID	0;0	TSS+exon+utr5;nc_exon	CpG: 51	-332	shore	ENSG000000118526;ENSG000000112319; TCF21;EYA4;TBPL1;SLC2	cg09988461;cg20986996;cg12359158;cg10066534;cg12468478;cg17470942;cg24157171
8	1725118	1725179	0.001937	3	3.23E-06	0.02238	0/3	-9.423818	CLN8		0 intron	CpG: 60	-8088		ENSG000000104728;ENSG00000036448 ARHGEF10;MYOM2	cg12723350;cg17051905;cg19198358
6	1594033	1594411	0.003574	4	2.02E-05	0.02259	0/4	-10.4489	FOX CUT DHRS4-		-11354 intergenic	CpG: 24	-4679		ENSG000000218027;ENSG000000137273; ENSG000000218027;FOX	cg16071029;cg14825735;cg17396305;cg22198853
14	24422367	24422419	0.001755	2	2.83E-06	0.02296	0/2	-7.284156	A51		0 nc_intron	CpG: 32	-351	shore	ENSG000000215256;ENSG000000100842; DHRS4-A51;EFS;ADCY4	cg01878807;cg18981338
17	80189961	80190154	0.004404	7	1.09E-05	0.02375	0/7	-16.33462	SLC16A3;S LC16A3	0;0	TSS+exon+utr5;intron+utr5	CpG: 293	0	island	ENSG000000141580;ENSG000000224877; WDR45B;C17orf89;STR	cg17932802;cg10377245;cg23224090;cg19284277;cg18083597;cg27355141;cg03956820
17	7461420	7461775	0.005976	4	2.03E-05	0.02413	0/4	-10.42121	TNFSF13;TNFSF13;TNFSF13;TNFSF12-	0;0;0;0	TSS+intron+exon+utr5;TSS+exon+utr5;nc_exon;intron	CpG: 108	-2891	shore	ENSG000000132514;ENSG000000072818; CLEC10A;ACAP1;KCTD1	cg10479431;cg05514680;cg23161218;cg13358186
14	105116394	105116606	0.00484	3	1.23E-05	0.02454	0/3	-8.998016	LINC02280		10850 intergenic	CpG: 41	0	island	ENSG000000213859	cg04378287;cg13658186;cg02722532
17	53499746	53499954	0.004792	2	1.21E-05	0.02463	0/2	-6.778432	MMD		-550 intergenic	CpG: 97	200	shore		cg10052118;cg14861570
6	31590512	31590870	0.005657	10	2.13E-05	0.02508	0/10	-20.92231	SNORA38; PRRC2A	0;0	nc_exon;intron+utr5	CpG: 104	1488	shore	ENSG000000204301;ENSG000000213719; ENSG000000204296;ENSG000000204356; ENSG000000204560;ENSG000000146112; ENSG000000204385;ENSG000000168477; NOTCH4;CLIC1;C6orf10; ENSG000000204580;ENSG000000206337; NELFE;DHX16;PPP1R18; ENSG000000204389;ENSG000000204428; SLC44A4;TNXB;DDR1;H ENSG000000137404;ENSG000000204388; CP5;HSPA1A;LY6G5C;N ENSG000000204463;ENSG000000244731; RM;HSPA18;BAG6;C4A; ENSG000000137411;ENSG000000213654; VARS2;GPSM3;CCHCR1; ENSG000000204536;ENSG000000234745; HLA- 5324;cg07708721;cg1370449 ENSG000000227507;ENSG000000204390; B;LTB;HSPA1L;VWA7;E ENSG000000204396;ENSG000000225914 NSG000000225914	cg11643442;cg08484337;cg06023161;cg16291917;cg18305324;cg07708721;cg13704497;cg18020072;cg08500171;cg00774102
19	10602690	10602877	0.01685	2	1.12E-05	0.02524	0/2	-6.830219	KEAP1	0	0 cds	CpG: 60	0	island	ENSG000000213339	cg07695362;cg10505024
3	137834570	137834755	0.004488	6	1.11E-05	0.0254	0/6	-14.68233	DZIP1L		-120 intergenic	CpG: 78	0	island		cg07253126;cg21538194;cg09151521;cg05987030;cg18095506;cg21459229
6	167104600	167104926	0.005481	5	1.96E-05	0.02541	0/5	-12.18694	RPS6KA2		0 intron	CpG: 172	62921		ENSG000000026297	cg00267142;cg17087907;cg16500987;cg25840433;cg01929744
9	133794518	133794590	0.002493	2	4.46E-06	0.0261	0/2	-7.10971	FIBCD1		0 intron	CpG: 17	0	island	ENSG000000130713	cg13744508;cg02530222
19	1255282	1255516	0.00548	3	1.49E-05	0.02686	0/3	-8.826894	MIDN		0 intron+cds	CpG: 35	0	island	ENSG000000099864	cg27172769;cg08176140;cg24300446
6	27018040	27018112	0.00258	2	4.64E-06	0.02715	0/2	-7.091139	LINC00240		26287 intergenic	CpG: 43	29966		ENSG000000204789;ENSG000000228223; ZNF204P;HCG11;ZNF39 ENSG000000124613;ENSG000000111801; 1;BTN3A3;LINC00240;B ENSG000000224843;ENSG000000124549	cg11823142;cg23634477
19	38794553	38794845	0.005577	6	1.90E-05	0.02738	0/6	-13.99781	YIF1B;C19orf33	0;0	exon+utr3;TSS+exon+utr5	CpG: 34	-11640		ENSG000000189164;ENSG000000167642; ENSG000000171817;ENSG000000196381; ZNF527;SPINT2;ZNF540 ENSG000000167641;ENSG000000130669; ;ZNF781;PPP1R14A;PA ENSG000000189144;ENSG000000099341; K4;ZNF573;PSMD8;ZNF ENSG000000198182;ENSG000000104814 607;MAP4K1 ENSG000000163818;ENSG000000163814; ENSG000000163817;ENSG000000163815; LZTFL1;CDCP1;SLC6A20; ENSG000000160801	cg27174108;cg07665060;cg03049863;cg11708454;cg111272232;cg00412772
3	45927588	45927630	0.001716	3	2.74E-06	0.02748	0/3	-9.529458	LZTFL1;LZTFL1	0;0	intron;intron+utr5	CpG: 50	43728		ENSG000000163817;ENSG000000163815; LZTFL1;CDCP1;SLC6A20; ENSG000000160801	cg27198997;cg09033997;cg06519172

7	2030228	2030301	0.002654	2	4.83E-06	0.02785	2/0	7.0912772	MAD11L	0	intron	CpG: 17	902	shore	ENSG000000157778;ENSG000000146535; ENSG000000164849;ENSG000000106012; ENSG000000225968	PSMG3;GNA12;GPR146; IQCE;ELFN1	cg05434287;cg21782813
17	80401664	80401857	0.004971	2	1.28E-05	0.02803	0/2	-6.766143	CYBC1;CYB C1	0;0	exon+utr3; nc_exon	CpG: 18	0	island	ENSG000000141556;ENSG000000141580	TBCD;WDR45B	cg22810684;cg12699647
12	110211320	110211642	0.006025	6	2.15E-05	0.02809	0/6	-13.99489	FAM222A- A51	-28	intergenic	CpG: 24	54824		ENSG000000256139;ENSG00000076555; ENSG000000174527;ENSG000000110906; ENSG000000122970;ENSG000000204852; ENSG000000111199;ENSG000000139445; ENSG000000111229;ENSG000000196850	ENSG000000256139;ACA CB;MYO1H;KCTD10;IFT 81;TCTN1;TRPV4;FOXN 4;ARPC3;PPTC7	cg06892868;cg09251362;cg1 6266358;cg06840837;cg1663 5128;cg11256214
6	28875353	28875370	0.000939	3	1.16E-06	0.02876	0/3	-9.821425	TRIM27	0	intron	CpG: 18	11808		ENSG000000197279;ENSG000000204681; ENSG000000137338;ENSG000000272009; ENSG000000204642;ENSG000000158691; ENSG000000224157	ZNF165;GABBR1;PGBD1 ;ENSG000000272009;HLA- F;ZSCAN12;HCG14	cg11389756;cg14059339;cg0 8279189 cg06894723;cg12746120;cg2 4687655
13	110398141	110398293	0.004348	3	1.06E-05	0.02931	3/0	8.885182	IRS2	6748	intergenic	CpG: 548	-36173		ENSG000000185467;ENSG00000006453; ENSG000000180535;ENSG000000166448; ENSG000000205356;ENSG000000272950; ENSG000000164713;ENSG00000070669	KPNA7;BAIAP2L1;BHLH A15;TMEM130;TECPR1; ENSG000000272950;BRI3 ;ASNS	cg24090529;cg23265009 cg06485603;cg12141659;cg1 0151367 cg16973568;cg01677142
7	97844909	97844947	0.001691	2	2.65E-06	0.02934	0/2	-7.267704	TECPR1	0	exon+utr3	CpG: 41	2904	shore	ENSG000000144649;ENSG000000114853; ENSG000000182983;ENSG000000181061; ENSG00000011198;ENSG000000008324; ENSG000000241939	FAM198A;ZBTB47;ZNF6 62;HIGD1A;ABHD5;SS18 L2;RN7SL517P	cg24074783;cg10670501 cg12261786;cg11805311;cg0 1754756;cg09573585;cg2639 5382;cg09715672;cg1475359 9
11	2847257	2847642	0.003112	3	2.69E-05	0.02943	0/3	-8.518531	KCNQ1	0	intron	CpG: 34	18373		ENSG000000173269	MMRN2	cg27105827;cg15733882;cg1 5245625;cg25693302;cg2106
15	28259936	28260052	0.003654	2	8.12E-06	0.02949	01-Jan	1.261252	OCA2	0	cds	CpG: 58	10770		ENSG00000074657;ENSG000000166562; ENSG000000081923;ENSG000000172175; ENSG000000049759	ZNF532;SEC11C;ATP8B1 ;MALT1;NEDD4L	8094;cg14186816;cg1788940 2
3	43405623	43405871	0.006025	2	1.74E-05	0.02951	2/0	6.7478263	ANO10	1946	intergenic	CpG: 18	0	island	ENSG000000157916;ENSG000000272235; ENSG000000162591;ENSG000000142611; ENSG000000227372;ENSG000000157881; ENSG000000177133;ENSG000000225931	RER1;ENSG00000027223 5;MEGF6;PRDM16;TP73- AS1;PANK4;LINC00982; ENSG000000225931	cg02999781;cg10588310;cg1 4841011;cg08007925;cg1417 1460;cg18396811
10	88727829	88728361	0.005351	7	3.80E-05	0.03009	0/7	-15.1343	ADIRF	0	ds	CpG: 59	0	island	ENSG000000173269	MMRN2	cg27105827;cg15733882;cg1 5245625;cg25693302;cg2106
18	55862576	55862872	0.003476	7	2.23E-05	0.03175	0/7	-15.95738	NEDD4L;N EDD4L;NE DD4L	0;0;0	TSS+utr5+c 0 ds intron+utr 5;TSS+exo n+utr5;intr on	CpG: 19	0	island	ENSG000000173269	MMRN2	cg27105827;cg15733882;cg1 5245625;cg25693302;cg2106
1	3331986	3332264	0.005992	6	2.12E-05	0.03206	6/0	13.987698	PRDM16	0	intron	CpG: 19	0	island	ENSG000000157916;ENSG000000272235; ENSG000000162591;ENSG000000142611; ENSG000000227372;ENSG000000157881; ENSG000000177133;ENSG000000225931	RER1;ENSG00000027223 5;MEGF6;PRDM16;TP73- AS1;PANK4;LINC00982; ENSG000000225931	cg02999781;cg10588310;cg1 4841011;cg08007925;cg1417 1460;cg18396811
11	12133014	12133196	0.00526	2	1.40E-05	0.03229	0/2	-6.727367	MICAL2;MI CAL2	0;0	nc_intron;j ntron+utr5	CpG: 119	0	island	ENSG000000187079	TEAD1	cg12122057;cg24022152 cg10621809;cg06159896;cg2 7614751
12	95840312	95840596	0.005992	3	2.21E-05	0.03277	3/0	8.4554304	METAP2	-27225	intergenic	CpG: 39	-26988		ENSG000000130592;ENSG000000110665; ENSG000000184682;ENSG000000167244; ENSG000000064201;ENSG000000130600	LSP1;C11orf21;C11orf8 9;IGF2;TSPAN32;H19	cg09060789;cg05928581
11	1884987	1885097	0.003845	2	8.77E-06	0.03351	0/2	-6.921866	LSP1	0	intron	CpG: 45	-6940		ENSG000000140104;ENSG000000185100; ENSG000000203485;ENSG000000170779; ENSG000000211949;ENSG000000211947; ENSG000000184916;ENSG000000213145; ENSG000000211938;ENSG000000184986; ENSG000000211943;ENSG000000211890	C14orf79;ADSS11;INF2; CDCA4;IGHV3- 23;IGHV3- 21;JAG2;CRIP1;IGHV3- 7;TMEM121;IGHV3- 15;IGHA2	cg25112002;cg01947482
14	105859134	105859242	0.003815	2	8.65E-06	0.03364	0/2	-6.894286	PACS2	0	intron+cds	CpG: 94	-5238		ENSG000000140104;ENSG000000185100; ENSG000000203485;ENSG000000170779; ENSG000000211949;ENSG000000211947; ENSG000000184916;ENSG000000213145; ENSG000000211938;ENSG000000184986; ENSG000000211943;ENSG000000211890	C14orf79;ADSS11;INF2; CDCA4;IGHV3- 23;IGHV3- 21;JAG2;CRIP1;IGHV3- 7;TMEM121;IGHV3- 15;IGHA2	cg25112002;cg01947482

8	124195132	124195402	0.004802	3	2.20E-05	0.03427	0/3	-8.471924	FAM83A	0 cds	CpG: 54	21591	ENSG000000178764;ENSG000000214814; ZHX2;FER1L6;FAM83A;T ENSG000000147689;ENSG000000156787; BC1D31;FER1L6- ENSG000000181171;ENSG000000204949; AS1;FAM83A- ENSG000000254000;ENSG000000156804; AS1;ENSG000000254000; cg23067535;cg22384356;cg1 ENSG000000253868 FBXO32;FER1L6-AS2 9924352
10	126314679	126314798	0.004122	3	9.82E-06	0.03464	0/3	-9.028038	FAM53B	0 intron	CpG: 37	10466	ENSG000000121898;ENSG000000175029; cg04426802;cg26725552;cg0 ENSG000000065154;ENSG000000107902; CPXM2;CTBP2;OAT;LHP 7984614 ENSG000000182022 P;CHST15 cg04152196;cg08109136;cg0 cg07115626;cg18252039;cg0
6	136172686	136172947	0.006363	5	2.17E-05	0.0349	0/5	-12.26854	PDE7B	TSS+exon+ 0 utr5	CpG: 84	353526	ENSG000000220660 ENSG000000220660 3684
11	133804742	133805057	0.006825	4	2.62E-05	0.03493	0/4	-10.27108	IGSF9B	0 intron	CpG: 21	3811	JAM3;ENSG00000025554 cg11070420;cg16461134;cg0 ENSG000000166086;ENSG000000255545 5 8170519;cg04625914
10	104182413	104182753	0.02183	3	2.88E-05	0.03555	0/3	-8.261415	FBXL15	intron+utr 0 3+cds	CpG: 139	371 shore	cg14202146;cg10337322;cg1 0754935
14	38071284	38071393	0.004024	3	9.34E-06	0.03595	3/0	8.926009	TTC6	intron+utr 0 5	CpG: 123	2077 shore	cg07115626;cg18252039;cg0 1739725 cg16873414;cg17542751;cg2
22	44568698	44568913	0.00623	7	1.85E-05	0.03617	0/7	-16.00829	PARVG	TSS+exon+ 0 utr5	CpG: 101	147908	ENSG000000159307;ENSG000000093000; SCUBE1;NUP50;ENSG00 ENSG000000226328;ENSG000000188677; 000226328;PARVB;ENS ENSG000000230922;ENSG000000056487 G000000230922;PHF21B 1
5	4511581	4511755	0.005534	2	1.51E-05	0.03645	0/2	-6.715736	LINC02114	intergenic	CpG: 39	-354562	ENSG000000164151 KIAA0947 cg18482690;cg26485159
1	3807167	3807312	0.004919	2	1.27E-05	0.03664	0/2	-6.969187	C1orf174	0 cds	CpG: 48	-1178 shore	ENSG000000116198;ENSG000000158109 CEP104;TPRG1L cg16349667;cg09262197
19	1851749	1852165	0.00731	5	3.65E-05	0.03678	5/0	11.848243	KLF16	232 intergenic	CpG: 55	0 island	ENSG000000116017;ENSG000000176533; ENSG000000160953;ENSG000000133243; ARID3A;GNG7;MUM1;B ENSG000000172081;ENSG000000180448; TBD2;MOB3A;HMHA1; 1434705;cg07355926;cg0500 ENSG000000130270;ENSG000000185761 ATP8B3;ADAMTSL5 6231
16	90050101	90050151	0.002478	3	4.42E-06	0.03704	3/0	9.2295334	AFG3L1P	0 nc_intron	CpG: 93	10518	cg09104284;cg02760445;cg0 7794169
6	35992081	35992219	0.004802	2	1.22E-05	0.03707	0/2	-6.774364	SLC26A8;S LC26A8	intron+ex on+utr5;in tron+utr5	CpG: 98	-3026	ENSG000000124762 CDKN1A cg15674432;cg15117372
16	474270	474528	0.006418	4	2.32E-05	0.03769	0/4	-10.34434	RAB11FIP3	-1120 intergenic	CpG: 188	-394 shore	ENSG000000261659;ENSG000000103260; ENSG000000261659;MET ENSG000000196674;ENSG000000162004; RN;ENSG000000196674; cg09555736;cg02102075;cg0 ENSG000000007541 CCDC78;PIGQ 6502279;cg03363565
1	36615844	36616030	0.005954	3	1.69E-05	0.03802	0/3	-8.696628	TRAPPC3	intron+utr 0 5	CpG: 61	382 shore	ENSG000000116898;ENSG000000119535; MRPS15;CSF3R;STK40;A ENSG000000196182;ENSG000000116863 DPRHL2 cg00039326;cg08909156;cg1 9822229
1	156893791	156893873	0.003582	2	7.65E-06	0.03909	0/2	-6.926975	LRRC71	0 cds	CpG: 62	0 island	ENSG000000143297;ENSG000000254726; ENSG000000027869;ENSG000000116586; FCRL5;MEX3A;SH2D2A; ENSG000000117036;ENSG000000163468 LAMTOR2;ETV3;CCT3 cg24638326;cg06374307
19	55417360	55417647	0.002814	6	2.73E-05	0.03987	6/0	14.149288	NCR1	TSS+intron 0 +utr5+cds	CpG: 28	-33175	ENSG000000179943;ENSG000000104972; ENSG000000142408;ENSG000000125505; FIZ1;LILRB1;CACNG8;M ENSG000000088053;ENSG000000104974 BOAT7;GP6;ULRA1 cg12123879;cg13518366;cg1 8832619;cg17804112;cg1455 0066;cg12952132 cg04282788;cg25876656;cg2 0270863;cg08900371;cg1826 5162;cg05723989;cg1611838
1	210407472	210407755	0.005159	7	2.71E-05	0.04013	0/7	-15.68993	SERTAD4	intron+utr 0 5	CpG: 20	0 island	ENSG000000054392 HHAT 7
12	56120815	56121015	0.006418	2	1.95E-05	0.04073	0/2	-6.615787	CD63;CD63	intron+cds ;intron+utr 5+cds	CpG: 96	-1002 shore	ENSG000000065361;ENSG000000135424; ENSG000000135426;ENSG000000123342; ENSG000000172551;ENSG000000110958; ERBB3;ITGA7;TESPA1;M ENSG000000170473;ENSG000000076067; MP19;MUCL1;PTGES3; ENSG000000135414;ENSG000000139613; WIBG;RBMS2;GDF11;S ENSG000000123353;ENSG000000135404 MARCC2;ORMDL2;CD63 cg21008399;cg11848173

7	105319436	105319679	0.006691	5	2.41E-05	0.04142	0/5	-12.26555	ATXN7L1;A TXN7L1	0;0	TSS+intron +exon+utr 5'intron	CpG: 27	95586		cg14427668;cg00423035;cg18527241;cg05803296;cg08645907
2	230933542	230933934	0.008667	4	3.89E-05	0.04147	01-Mar	-5.64887	SLC16A14		TSS+exon+ 0 utr5	CpG: 107	0	island	ENS000000153823;ENS000000153832;ENS000000187957
1	236318426	236318545	0.004704	3	1.18E-05	0.04152	0/3	-8.839664	GPR137B		0 intron	CpG: 98	11752		ENS000000116962;ENS000000198626;ENS000000116984;ENS000000162885;ENS000000116957;ENS000000077522
6	29521271	29521751	0.006682	20	4.85E-05	0.04225	20/0	36.234506	UBD	1637	intergenic intron+utr	CpG: 80	0	island	GABBR1;HLA-F-AS1;HCG14;PPP1R11;HCG4
6	75912546	75912711	0.006142	3	1.79E-05	0.04527	0/3	-8.678705	COL12A1	0	5	CpG: 43	413	shore	MYO6
2	33359280	33359688	0.008203	5	4.43E-05	0.04539	0/5	-11.64135	LTBP1;LTB P1	0;0	TSS+exon+ utr5'intron	CpG: 155	186116		RASGRP3
19	36247866	36248077	0.007028	4	2.32E-05	0.04582	0/4	-10.46362	HSPB6	0	ds	CpG: 127	0	island	ENS000000267053;ENS000000161249
2	7171868	7172097	0.007394	4	2.52E-05	0.04586	0/4	-10.38425	RNF144A	0	intron	CpG: 19	-199	shore	RNF144A
21	36041526	36041699	0.006367	6	1.92E-05	0.04626	6/0	14.203602	CLIC6	0	utr5+cds	CpG: 204	0	island	ENS000000241837;ENS000000159216;ENS000000224598
16	67022471	67022719	0.007957	3	2.86E-05	0.04816	0/3	-8.571196	CE54A	0	ds	CpG: 68	-11751		ENS000000039523;ENS000000183723;ENS000000179776;ENS000000124067;ENS000000159720;ENS000000159753;ENS000000067955;ENS000000166595;ENS000000140931;ENS000000213398;FAM65A;CMTM4;CDHS;ENS000000141098;ENS000000168701;SLC12A4;ATP6V0D1;RLTENS000000159714;ENS000000172831;PR;CBFB;FAM96B;CMTENS000000102904;ENS000000102871;M3;LCAT;GFOD2;TMEMENS000000141084;ENS000000172824;208;ZDHHC1;CES2;TSNENS000000124074;ENS000000159713;AXIP1;TRADD;RANBP10ENS000000196155;ENS000000166592;CES4A;ENKD1;TPPP3;PLEKHG4;RRAD;LRRC36ENS000000066230;ENS000000153395;SLC9A3;LPCAT1;ENS00ENS000000188242;ENS000000171368;0000188242;TPPP;PDCD6ENS000000249915
5	501862	502074	0.007427	4	2.54E-05	0.04985	0/4	-10.6866	SLC9A3	0	intron	CpG: 26	0	island	0000188242;TPPP;PDCD6
1	207262189	207262553	0.008886	3	4.36E-05	0.04995	0/3	-8.163007	C4BPB;C4B PB	0;0	intron+ex on+utr5;TS S+intron+e xon+utr5	CpG: 47	35347		ENS000000162896;ENS000000123836;ENS000000174059;ENS000000117335;PIGR;PFKFB2;CD34;CD4ENS000000196533;ENS000000076356;6;C1orf186;PLXNA2;DYENS000000143479;ENS000000197721;RK3;CR1L;SRGAP2;IKBKEENS000000163486;ENS000000143466
															cg16273133;cg13062396;cg01172899;cg25621735
															cg01514015;cg23237976;cg23655242
															cg22762215;cg21632158;cg03402459;cg22305167;cg15818307;cg21133153;cg06087185;cg20723129;cg09205920;cg15490715;cg06613392;cg18488157;cg00370229;cg12217400;cg03409187;cg19690984;cg16044251;cg18588589;cg06378770;cg22617773cg13647382;cg21112099;cg03503642cg15135286;cg13652008;cg03906115;cg08357990;cg14102437
															cg13558754;cg24673765;cg10790747;cg15125472
															cg05087455;cg27281690;cg21486510;cg13464573
															cg20343048;cg18371700;cg19200589;cg18074297;cg11528328;cg10722799
															cg09232225;cg26762050;cg07323447
															cg12833872;cg22572362;cg13340126;cg19301897
															cg05659947;cg14740771;cg21571160

	bas1	bas2	bas.act	bas.cyc	b.cel	cil	club	cyc	fib	gob	gob.cil	ion	lum.mac	mast	neu	pul.den	smo.mus	sub.gla	t.cel	vas.end	
cg1217366																					
1	1.58E-216	1.13E-217	4.40E-188	4.25E-76	9.87E-66		0	1.89E-97	1.67E-24	3.75E-182	2.01E-79	1.04E-195	1.16E-85	2.03E-66	8.22E-75	9.73E-66	6.97E-71	2.06E-167	1.19E-118	1.35E-70	4.11E-165
cg2393233																					
2	4.71E-208	4.97E-206	2.34E-179	8.04E-80	2.46E-70		0	6.37E-96	4.78E-36	2.95E-159	7.71E-83	1.48E-183	6.35E-86	1.46E-72	1.59E-79	1.50E-76	4.64E-77	2.05E-158	3.90E-107	1.19E-75	1.88E-170
cg0171660																					
3	2.49E-203	1.19E-199	2.95E-175	1.78E-65	5.58E-71		0	7.81E-88	1.46E-29	5.57E-177	1.67E-75	9.03E-186	1.00E-81	4.77E-69	3.65E-81	6.22E-71	2.48E-79	2.89E-179	4.00E-96	9.58E-76	1.25E-178
cg0694728																					
6	5.40E-116	6.18E-61	1.75E-94	1.38E-24	6.35E-94	1.49E-120	2.03E-81	9.48E-70	5.26E-245	7.71E-83	2.22E-82	2.35E-79	1.23E-92	4.00E-96	2.24E-99	3.63E-92	1.66E-254	1.16E-45	7.21E-72	1.04E-205	
cg2000179																					
1	4.50E-182	7.03E-144	2.29E-139	1.38E-31	1.01E-65	1.63E-244	3.35E-94	2.42E-23	2.73E-165	1.65E-87	6.08E-136	1.43E-72	9.16E-61	1.02E-75	9.31E-68	7.68E-70	8.97E-140	2.40E-95	9.05E-57	8.46E-126	
cg1098646																					
2	8.77E-81	1.19E-61	4.35E-61	2.36E-22	2.16E-117	6.82E-107	1.54E-52	1.95E-108	6.82E-190	2.09E-69	4.07E-85	5.39E-64	2.88E-104	8.83E-125	3.75E-132	6.56E-133	7.26E-201	9.73E-36	1.92E-125	6.28E-191	
cg2391687																					
8	5.98E-181	4.10E-122	3.90E-134	1.65E-26	5.80E-86	2.56E-253	5.97E-93	7.62E-35	1.84E-256	5.85E-95	5.25E-131	9.83E-76	3.06E-74	9.96E-102	7.91E-87	3.52E-103	7.72E-244	2.00E-75	1.52E-92	3.52E-194	
cg0722493																					
1	1.19E-153	1.89E-198	1.94E-140	2.12E-78	1.75E-53		0	2.76E-58	1.15E-23	9.30E-66	1.74E-49	9.82E-173	2.08E-62	9.93E-46	1.68E-53	1.22E-48	3.35E-55	5.72E-39	4.65E-107	1.21E-63	4.33E-67
cg1876353																					
6	1.15E-23	1.85E-23	1.01E-27	0.000318	1.07E-44	1.31E-21	9.38E-24	3.13E-31	0.000234	8.68E-28	3.38E-22	3.31E-18	1.36E-68	4.26E-39	1.04E-77	1.59E-68	0.003147	1.60E-24	1.60E-37	2.29E-14	
cg1809127																					
5	0.938487	0.999678	0.799857	0.022554	1.28E-16	0.995591	0.901783	4.48E-53	0.084472	0.992138	0.573984	0.018044	1.94E-09	7.17E-08	1.06E-17	6.59E-11	0.998523	0.6384888	1.00E-29	0.116922	
cg1352544																					
8	1.67E-12	9.28E-05	1.77E-08	7.07E-29	7.76E-15	0.000495	2.91E-19	1.71E-41	6.50E-87	1.54E-21	0.001326	2.09E-24	1.15E-18	2.30E-16	3.95E-19	2.74E-20	6.96E-56	1.43E-06	2.15E-19	2.81E-54	
cg0830796																					
3	3.25E-09	3.98E-06	0.010529	0.999941	4.52E-11	3.00E-25	0.5046	1.78E-06	7.57E-05	0.205711	2.63E-17	0.00913	1.40E-15	9.43E-13	3.34E-16	8.79E-29	0.22937	0.0704362	1.27E-36	0.29483	
cg0836465																					
4	0.340044	0.379541	0.973179	0.841458	1	0.780106	0.985532	1	1	0.823472	0.760113	0.719665	0.999998	0.999999	1	0.999994	1	0.5925189	0.999999	1	
cg0488621																					
7	1	1	1	1	0.980958	1	1	1	1	0.999952	1	1	1	1	1	1	1	1	1	1	
cg0074167																					
5	0.224838	1.26E-17	0.096791	3.29E-15	1	0.008441	0.488833	1	1	0.107818	1.80E-05	0.969531	1	0.999999	1	1	1	0.0027588	0.999999	1	
cg2380547																					
0	0.93951	0.99344	0.993239	0.024718	0.999925	1	0.114241	0.999963	1	0.001186	1	0.998947	1	0.999762	1	0.999989	0.999843	0.99853	0.999827	1	